



Foreword

It is with a deep sense of accomplishment and a forward-looking vision that we present the Annual Report of The University of Burdwan for the academic year 2024-2025. As a prestigious institution with a rich heritage, our university continues to stand as a beacon of knowledge, deeply committed to stakeholder engagement and its mission of teaching, learning, research, and social responsibility. Burdwan University has already become a light house of Yuva Shakti for Purba Bardhaman and beyond. The past year has been a testament to our dynamic approach to education. In alignment with the National Education Policy 2020 (NEP 2020), we have strengthened our curricular framework, offering a comprehensive blend of traditional, professional, and value-based courses within the Choice Based Credit System (CBCS). Our commitment to Outcome-Based Education (OBE) ensures that our students are not only well-versed in theoretical knowledge but are also equipped with the practical skills and critical thinking needed to address contemporary local, national, and global challenges. This holistic development is further championed by robust student support systems, including the Placement and Students' Welfare Office and the Centre for Innovation, Entrepreneurship and Skill Development (CIESD), which foster creativity and professional readiness. We practice core pedagogical approaches like Constructivist, Collaborative and Inquiry based teaching and learning.

Our dedication to academic excellence is paralleled by our significant contributions to research and innovation. Fuelled by grants from premier national and international agencies, our faculty and students continue to push the boundaries of knowledge, resulting in numerous publications and patents. This vibrant research culture is supported by our state-of-the-art infrastructure, including ICT-enabled smart classrooms, advanced laboratories, a well-stocked central library, and the distinctive facilities that mark our institutional distinctiveness - from our crop research farm and planetarium to our commitment to biodiversity and carbon neutrality. The Faculty of Engineering & Technology has been reactivated after several years and planned to offer 04 nos. of 5-year integrated M.Sc. Tech programme, 04 nos. of 2-year Advanced PG diploma programme and 04 nos. of 1 & half year PG diploma courses in a) Big Data and Computational Technology, b) Bio-Engineering, c) Disaster Mitigation and Management and d) Indian Knowledge System through Four Advanced Centres viz.

- i. Advanced Centre for Big Data and Computational Technology
- ii. Advanced Centre for Bio-Engineering
- iii. Advanced Centre for Disaster Mitigation and Management
- iv. Advanced Centre for Heritage Engineering and Indian Knowledge System

The regular P.G. courses will commence from the Academic Session 2026-2027 in early august with the admission taking place sometimes in Mid-July, 2026.

As we navigated 2024-2025, our focus remained steadfast on good governance and inclusive growth. The implementation of e-governance through ERP has streamlined our operations, while a zero-



tolerance policy towards ragging and harassment ensures a safe and conducive atmosphere for all. Our students remain at the heart of our endeavours, excelling not only in academics but also in sports, culture, and community service through their vibrant extracurricular activities and NSS initiatives.

This annual report chronicles the milestones of the past year (2024-2025), detailing our achievements in academics, research, infrastructure development, and student welfare. It is a narrative of collective effort, reflecting the dedication of our faculty, staff, and students. As we move forward, the University of Burdwan reaffirms its pledge to remain a centre of excellence that nurtures enlightened citizens and prepares them to meet the complexities of the world with confidence and competence adhering to the NEP 2020.

We invite you to explore the pages that follow, which capture the spirit and substance of yet another remarkable year in the life of our university.

Vice-Chancellor

The University of Burdwan



University at a Glance

Vision:

Set in a biodiversity-rich heritage site, The University of Burdwan envisages itself as a beacon of holistic academic excellence through teaching, research, innovation, social responsibility and stakeholder engagement.

It aspires to co-create with its stakeholders an environment where curious minds can invent and reinvent themselves and disseminate traditional and modern wisdom.

The University earnestly wishes to empower the weaker social clusters in its hinterland with emphasis on the rural region. It aims to promote unity, inclusivity, and equity. It also seeks to reinvigorate India's rich heritage in alignment with the global higher educational milieu while addressing local and regional issues and challenges.

Mission:

- To promote holistic education by facilitating human resource development through intellectual growth, scientific temper, skill development and human values
- To support research, innovation, and IPR sensitization by nurturing a culture of impactful and interdisciplinary research and innovation that addresses regional, local, and global challenges and opportunities
- To facilitate community engagement and empowerment by actively engaging with the weaker social clusters of the community and promoting equity, inclusivity, gender equality, and social justice
- To foster an enduring commitment to environmental sustainability through eco-friendly practices and promoting research activities that contribute to practices of sustainable development
- To enthuse stakeholders about cultural preservation by promoting cultural heritage, traditions, customs, and artifacts to ensure their continuity and reinvigorate India's rich heritage through educational activities, cultural programmes, research and community outreach and engagement
- To emphasise global collaboration and networking by expanding global partnerships to facilitate academic exchange, research collaboration and student opportunities
- To instil a spirit of entrepreneurship, incubation and startup by supporting entrepreneurship and skill development through dedicated centres and programmes that translate research into business opportunities and social innovation through practical solutions
- To continuously carry out infrastructure and technological upgrades through a sustained commitment to infrastructure development and acquisition of technological capabilities to facilitate academic excellence and administrative efficiency
- To support faculty development and professional advancement by undertaking policy commitment to continuous professional development for faculty to ensure that they remain at the forefront of their disciplines
- To ensure enduring commitment to student accomplishments and accolades by facilitating and encouraging them to become innovative thinkers and responsible global citizens and equipping them to gain success in both personal and professional domains

**Curricular Aspects:**

The University of Burdwan offers a comprehensive range of traditional, professional, and value-based courses designed within the Choice Based Credit System (CBCS). These curricula integrate theoretical knowledge with practical skills to address local, national, and global needs. Programmes are regularly revised through a multi-tiered approval process involving departmental committees and boards of studies, with professional courses also adhering to regulatory guidelines like those from BCI, AICTE, and NCTE.

Recognizing the importance of holistic development, the university provides robust student support through its Placement and Students' Welfare Office, which offers personalized guidance, skill workshops, and placement drives. The Centre for Entrepreneurship, Innovation and Skill Development (CEISD) further fosters creativity and practical expertise. Students benefit from a range of popular multidisciplinary offerings—such as MBA specializations, Mass Communication, Environmental Science, and Molecular Biology—that encourage critical thinking and real-world problem-solving by connecting diverse academic domains.

In line with the National Education Policy, the university is developing a framework for the Academic Bank of Credits (ABC), enabling credit transfers from platforms like SWAYAM. Skill development is embedded in postgraduate curricula and specialized centres like the BKCRTC. Committed to Outcome-Based Education (OBE), the institution emphasizes SMART learning objectives and flexible teaching methods, ensuring students are evaluated on acquired competencies. This approach prepares graduates to excel in academic, research, and professional pursuits, equipped to meet contemporary challenges.

Teaching, Learning and Evaluation:

Our Institute fosters a conducive student-friendly teaching-learning atmosphere, safeguards inclusivity, and sustains high academic standards. The University has wide-ranging resources including libraries, museum, art gallery, gymnasium, medical facilities, planetarium, fields, tracks, courts, crop research and seed multiplication farm, rural technology centre and others. The University follows a transparent and student-friendly online admission procedure. It maintains zero tolerance policy with regard to ragging and sexual harassment. Reservation policies of West Bengal are strictly followed during the admission process. There are several schemes and programmes for the underprivileged and socially deprived students, such as free-studentships, different scholarships. The University also offers foreign languages, PG Diploma in Guidance and Counselling, Yoga Therapy, Special Education courses under Lifelong Learning, WBCS and NET/SET coaching etc., beyond regular class hours. Students' involvement is safeguarded through participation in seminars and symposia, departmental activities, running clubs and organizing student festivals like Muktohdhara, Inter-hostel tournaments, participation in inter-institutional competitions and many more. The examination system of the University is under complete automation; choice-based credit system (CBCS) and CIA grading pattern are in place at the



UG and PG levels. There is provision for post publication review. Intensive use of IT for evaluation and entrance examinations is in practice. In accordance with the UGC's guidelines, faculty members regularly participate in courses offered by UGC-Malaviya Mission Teacher Training Centres (MMTTCs). The Faculty of Engineering & Technology has been reactivated after several years and planned to offer 04 nos. of 5-year integrated M.Sc. Tech programmes, 04 nos. of 2-year Advanced PG diploma programmes and 04 nos. of 1 & half year PG diploma courses in a) Big Data and Computational Technology, b) Bio-Engineering, c) Disaster Mitigation and Management and d) Indian Knowledge System through Four Advanced Centres viz.

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Research, Innovations and Extension:

The University is committed to augment research of Faculty members and students. Faculty members are actively involved in research and have been able to gather research and funds from several national/international agencies like DST, DBT, UGC, ICCR, CSIR, ICMR, ICAR, MoEFCC, WBDSTBT, etc. Some faculty members are also engaged in academic consultancy projects. The University is also awarded Second Phase DST-PURSE funding for their quality research. This institute has policies to financially support faculty members as well as students for research. University' CIESD since 2021 has undertaken activities relating to innovation, entrepreneurship and skill development through an integrated and coordinated approach. The Research and Development Cell has already been constituted by our University to provide faculty members and students consciousness in research and also about the need to participate in various research conferences/ seminars/ workshops, etc. Our institute is involved extensively in various activities in collaboration with government and non-government organizations. A number of MoUs have been signed with the industry. Faculty members already have 12 Patents to their credit during the assessment period. In the recent years, a number of textbooks, book chapters, monographs and a large number of articles in journals (included in the UGC-CARE list and indexed by SCOPUS) have been published by the faculty members of this University in various journals of national and international repute possessing good impact factor. A total number of 3443 research articles and 555 books have been published by the faculty members during 2019-2024, with total h-index 48 and i-10 index 149. Social and community services, and extension activities are carried out by the NSS students' wings of this University by organizing camps for health check-up, blood donation camps, various types of awareness programmes including environmental awareness, etc.

Infrastructure and Learning Resources:

The University offers well-furnished, adaptable classrooms and seminar halls, many of which are ICT enabled with advanced technology to support various teaching methods and interactive sessions. State-of-the-art laboratories with industry-standard equipment along with robust computational facilities, Lecture Capturing System (LCS) are available. The University also ensures 24/7 internet connectivity



and campus-wide Wi-Fi to support academic and research activities. The Central Library is well-stocked with both physical and digital resources. It provides extended working hours, online databases, and beyond-campus access to digital resources. Spread across three campuses, the University's administrative offices are fully ICT-enabled, ensuring efficient operations. A multi-purpose, air-conditioned auditorium with a capacity of 1,200 audience is a hub for academic events such as conferences, seminars, and convocation ceremonies. The University provides a variety of sports facilities, including a multi-gym fitness centre, a gymnasium for indoor sports, and a sports hostel. The Mohanbagan ground is used for various athletic activities, supported by storage and maintenance services for sports equipment.

Student Support:

The Office of the Placement and Students' Welfare maintain smooth linkages with the government and non-government organizations for providing scholarships to the meritorious and deserving students. The PSWO facilitates the transition of students to the competitive world of employment by enriching them through skill enhancement courses organized at regular intervals. Free career guidance and counselling including e-counselling, remedial coaching, and training are provided to enhance soft skills and personality and bridge the knowledge gaps of the students. A variety of courses like diploma in foreign language courses, PG Diploma in Guidance and Counselling & Communicative English are offered to students. Coaching is offered to the WBCS, UGC-NET, West Bengal SET examination aspirants. Other support services include medical facilities, transportation, and canteen facilities. A dedicated grievance redressal cell provides a confidential platform for students to report concerns. The Internal Complaints Committee (ICC) is available for immediate assistance, ensuring swift resolution and support for affected students. Some annual events for students (such as 'Muktodhara', inter-hostel tournaments and many more) are organized to inculcate strong value systems and impart lessons on teamwork and camaraderie. Blood donation camps, health camps, AIDS awareness programmes, law and social awareness camps and other socially relevant activities are organized to instil social responsibility among students.

Governance, Leadership and Management:

The University emphasizes effective institutional governance and leadership and the formulation of a perspective plan that would be aligned with its vision and mission. The academic programmes are designed and developed with a focus on suitable design, delivery, and need-based monitoring. Curriculum and Credit Framework for Undergraduate Programmes (CCFUP) as per the NEP has been successfully implemented with effect from 2023. The University has constituted a committee to take initiative for formulation of the CCF for PG level. A well-defined institutional framework and the concomitant perspective plan of the University emphasise effectiveness and efficiency comprising facets covering administrative, academic and social responsibility perspectives. At the top of the University governance is the 'Court' that serves as the highest policy-making body, guiding the decision-making process of the University. Supporting this governance structure is the Executive Council, responsible for initiating and recommending proposals to the Court through a structured process. The deployment of the perspective plan is undertaken through the formulation of policies, adoption of resolutions and execution of decisions in the appropriate bodies. The University has implemented e-governance through ERP in its operations in a phased manner covering administration, finance and accounts, student admission and support, and examinations. The University has prioritized professional growth and the well-being of its teaching and non-teaching staff through a comprehensive framework encompassing performance appraisal, opportunities for career development and progress, and robust



welfare measures. As a strategically significant unit of the University, the Internal Quality Assurance Cell (IQAC) is meaningfully and collectively committed to quality assurance in teaching-learning, research, academic processes, human resource development, etc.

Institutional Distinctiveness:

The University of Burdwan, a prestigious institution in West Bengal, stands out for its rich history and commitment to stakeholder engagement. It represents institutional distinctiveness through its rich heritage, advanced research facilities, environmental sustainability, and commitment to inclusivity and community engagement. These attributes collectively support its teaching, learning, research, and social responsibility mission.

The University's distinctive features accentuate its reputation, impact on society, and role in acquiring and disseminating knowledge. Below is an exploration of how these distinctive attributes—heritage, museum and art gallery, planetarium, student profile, crop research and seed multiplication farm, biodiversity, carbon neutrality, global navigation satellite system, and health centre—are accentuated.

**Consolidated information:**

Description	Information
Name	The University of Burdwan
Address	B. C. Road, Rajbati Campus the University of Burdwan, P.O. – Rajbati, Burdwan, Pin - 713104
Vice Chancellor	Prof. (Dr.) Sankar Kumar Nath
Nature of University	State Aided University
Type of University	Affiliating
Establishment Date of the University	15-06-1960
Date of Recognition as a University by UGC under section 2f and 12B	15-06-1960
Number of Affiliated Colleges	74
Number of Colleges Under 2(f)	47
Number of Colleges Under 2(f) and 12B	46
Number of Colleges with Postgraduate Departments	19
Number of P.G. Departments	39
Other Academic Centres and Facilities	<ol style="list-style-type: none"> 1. Internal Quality Assurance Cell 2. Malaviya Mission Teacher Training Centre 3. Sports Board 4. Swami Vivekananda Advance Research Centre 5. NSS Unit 6. Department of Life Long Learning 7. Benoy Krishna Choudhury Rural Technology Centre 8. Central Library 9. University Health Centre 10. University Science Instrumentation Centre 11. Meghnad Saha Planetarium 12. Prof. Param Nath Bhaduri Crop Research and Seed Multiplication Farm 13. Centre for Innovation, Entrepreneurship and Skill Development 14. Centre for Alumni Affairs and International Relations 15. Career Development Centre 16. Centre for Distance and Online Education 17. University Institute of Technology
Number of PG Programs offered by the University through its own campus	44
Number of UG Programs offered by the University through its own campus	02
Total Number of Permanent Faculty (Professor, Associate Professor and Assistant Professor)	208



Description	Information
Total Number of Faculty (Contractual)	06
Total Number of Sanctioned Teaching Post	363
Number of Sanctioned Seats (in UG and PG Programs offered in the Campus)	3525
Number of students took Admission (in UG and PG Programs offered in the Campus)	2490
Number of Students appeared in the Final Exam (in UG and PG Programs offered in the Campus)	1917
Number of Students passed in the Final Exam (in UG and PG Programs offered in the Campus)	1861
Number of Ph.D. Awarded	178
Number of ongoing Sponsored Projects	39
Total Number of patents (published AND/ OR granted)	16
Total Number of Research Papers Published	827
Total Number of Books/ Book Chapters/ Edited Volume Published	174

List of Affiliated Colleges:

Sl. No.	Name of the affiliated Colleges/ Institutes	Year of Establishment
1	Govt. General Degree College, Mangalkote, Panchanantala, Khudrun, P.O. Majhigram, Dist. Purba Bardhaman-713132	2015
2	Govt. General Degree College, Kalna-I, Vill. Muragacha, P.O. Medhgachi, Dist. Purba Bardhaman-713405	2015
3	Acharya Sukumar Sen Mahavidyalaya, P.O. Gotan, Dist. Purba Bardhaman	2013
4	Burdwan Raj College, P.O. & Dist. Purba Bardhaman-713104	1882
5	Chandrapur College, P.O. Chandrapur-713145, Dist. Purba Bardhaman	1985
6	Dasarathi Hazra Memorial College, Vill. & P.O. Bhatar, Dist. Purba Bardhaman	2013
7	Dr. Bhupendra Nath Dutta Smriti Mahavidyalaya, P.O. Hatgobinda pur-713407, Dist. Purba Bardhaman	1996
8	Dr. Gour Mohan Roy College, P.O. Monteswar-713145, Dist. Purba Bardhaman	1986
9	Galsi Mahavidyalaya, P.O. Galsi-713406, Dist. Purba Bardhaman	2007
10	Guskara Mahavidyalaya, P.O. Guskara-713128, Dist. Purba Bardhaman	1965
11	Jamalpur Mahavidyalaya, P.O. Jamalpur-713408, Dist. Purba Bardhaman,	2009



Sl. No.	Name of the affiliated Colleges/ Institutes	Year of Establishment
12	Kalna College, P.O. Kalna-713409, Dist. Purba Bardhaman	1943
13	Kandra Radha Kanta Kundu Mahavidyalaya, P.O. Kandra-713129, Dist. Purba Bardhaman	2001
14	Katwa College, P.O. Katwa-713130, Dist. Purba Bardhaman	1948
15	Mankar College, P.O. Mankar-713144, Dist. Purba Bardhaman	1987
16	M.U.C. Women's College, B.C. Road, Dist. Purba Bardhaman-713104	1955
17	Memari College, P.O. Memari-713146, Dist. Purba Bardhaman	1981
18	Purbasthali College, Vill&P.O. Parulia-713513, Dist. Purba Bardhaman	2009
19	Sir Rashbehari Ghosh Mahavidyalaya, P.O. Ukhrid Khandaghosh, Dist. Purba Bardhaman	2010
20	Syamsundar College, Vill.&P.O. Shyamsundar-713424, Dist. Purba Bardhaman	1948
21	Tehatta Sadananda Mahavidyalaya, P.S. Kalna, P.O. Tehatta, Dist. Purba Bardhaman	2013
22	Vivekananda Mahavidyalaya, P.O. Sripalli, Dist. Purba Bardhaman-713103	1964
23	St. Xavier's College, P.O. Sripalli, Dist. Purba Bardhaman	2014
24	College of Art & Design, Nawabab Hat, Suri Road, P.O. Fagupur, Dist. Purba Bardhaman-713102	2004
25	AMEX Law College, Nawabab Hat, Suri Main Road, P.O. Fagupur, Pin-713104, Dist. Purba Bardhaman	2018
26	A M E X, Nawabab Hat, Suri Main Road, Opposite of Uttara Bus Stand, P.O. Fagupur, Pin-713104, Dist. Purba Bardhaman	2001
27	Burdwan Institute of Management & Computer Science, Dewandighi, Katwa Rd., Mirjapur, P.O. & Dist. Purba Bardhaman-713102	2000
28	Cyber Research & Training Institute, Tinkonia New Market (1st Floor), Goods Shed Rd., P.O. & Dist. Purba Bardhaman-713101	2000
29	Abhedananda Mahavidyalaya, P.O. Sainthia-731234, Dist. Birbhum	1965
30	Birbhum Mahavidyalaya, P.O. Suri-731101, Dist. Birbhum	1979
31	Bolpur College, P.O. Bolpur-731204, Dist. Birbhum	1950
32	Chandidas Mahavidyalaya, P.O. Khujutipara-731215, Dist. Birbhum	1972



Sl. No.	Name of the affiliated Colleges/ Institutes	Year of Establishment
33	Hiralal Bhakat College, P.O. Nalhathi-731220, Dist. Birbhum,	1996
34	Kabi Joydeb Mahavidyalaya, P.O. Illambazar-731214, Dist. Birbhum	2007
35	Kabi Nazrul College, P.O. Murarai-731219, Dist. Birbhum	1985
36	Krishna Chandra College, P.O. Hetampur-731124, Dist. Birbhum	1897
37	Lokepara Mahavidyalaya, P.O. Kuliara-731218, Dist. Birbhum	2010
38	Purnidevi Chowdhury Girls' College, Bolpur(Behind the Circuit House), P.O. Bolpur-731204, Dist. Birbhum	2004
39	Rajnagar Mahavidyalaya, P.O. Rajnagar, Dist. Birbhum-731123	2009
40	Rampurhat College, P.O. Rampurhat-731224, Dist. Birbhum	1950
41	Sailajananda Falguni Smriti Mahavidyalaya, P.O. Khayrasole- 731125, Dist. Birbhum	1998
42	Sambhunath College, P.O. Labpur-731303, Dist. Birbhum	1973
43	Suri Vidyasagar College, P.O. Suri-731101, Dist. Birbhum	1948
44	Turku Hansda Lapsa Hemram Mahavidyalaya, Vill. Madian, P.O. Ganpur-731216, Dist. Birbhum	2006
45	Asleha Girls' College, P.O. Nalhathi-731220, Birbhum	2009
46	Sofia Girls' College, P.O. Nalhathi-731220, Birbhum	2009
47	Gitanjali College of Physical Education, Vill.Daikota, P.O. Deriapur, Dist. Birbhum	2023
48	Bengal Law College, Sriniketan Bypass, P.O. Doranda-731236, Dist. Birbhum	2005
49	Chandernagore College, P.O. Chandernagore- 712136, Dist. Hooghly	1891
50	Hooghly Mohsin College, P.O. Chinsurah-712101, Dist. Hooghly	1857
51	Govt. General Degree College, Singur, P.O. Singur, Dist. Hooghly	2013
52	A.K.P.C. Mahavidyalaya, Subhasnagar, P.O. Bengai-712611, Dist. Hooghly	1959
53	Arambagh Girls' College, P.O. Arambagh-712601, Dist. Hooghly	1995
54	B.N. Mahavidyalaya, P.O. Itachuna-712147, Dist. Hooghly	1950
55	Balagarh B.K. Mahavidyalaya, P.O. Balagarh-712501, Dist. Hooghly	1985



Sl. No.	Name of the affiliated Colleges/ Institutes	Year of Establishment
56	Hooghly Women's College, Pipulpati-712103, P.O. & Dist. Hooghly.	1949
57	Kabi Sukanta Mahavidyalaya, Bhadreswar, P.O. Angus-712221	1986
58	Kabikankan Mukundaram Mahavidyalaya, Vill. & P.O. Keshabpur- 712413, Dist. Hooghly	2007
59	Khalisani Mahavidyalaya, P.O. Khalisani, Chandannagar, Dist. Hooghly-712138	1970
60	Netaji Mahavidyalaya, P.O. Arambagh-712601, Dist. Hooghly	1948
61	Polba Mahavidyalaya, Vill. & P.O. Polba-712148, Dist. Hooghly	2005
62	Rabindra Mahavidyalaya, Vill & P.O. Champadanga-712401, Dist. Hooghly,	1971
63	Raja Rammohun Roy Mahavidyalaya, Radhanagar, P.O. Nangulpara-712406, Dist. Hooghly	1964
64	Sarat Centenary College, Vill&P.O. Dhaniakhali-712302, Dist. Hooghly	1978
65	Sreegopal Banerjee College, Vill. Bagati, P.O. Magra-712148, Dist. Hooghly	1958
66	Sri Ramkrishna Sarada Vidyamahapitha, P.O. Kamarpukur-712612, Dist. Hooghly	1959
67	Tarakeswar Degree College, P.O. Tarakeswar-712410, Dist. Hooghly	1986
68	Vivekananda Mahavidyalaya, Khamarchandi, P.O. Haripal-712405, Dist. Hooghly	1966
69	Prithwish Chandra Biswas Kanya Mahavidyalaya, Vill. & P.O. Dashghara, Dist. Hooghly-712402	2017
70	Govt. Physical Education College for Women, Rice Research Station Campus, P.O. Chinsurah, Dist. Hooghly-712102	1984
71	Chandannagar Institute of Management and Technology, Pallysree, P.O. Chinsurah-712102, Dist. Hooghly	2001
72	Government Centre of Legal Education, Govt. of West Bengal, Mohsin College Campus, Chinsurah, Hooghly-712101	2021
73	George School of Law, 114, G.T. Road, Konnagar, Dist. Hooghly	2018
74	Nikhil Banga Sikshan Mahavidyalaya, P.O. Bishnupur-722122, Dist. Bankura	1969



Programs offered in the academic departments of the university under PG Faculty Council of Arts, Law etc:

Name of the Department	Name of the Programs	
Arabic	-	M.A. in Arabic
Bengali	Ph.D. in Bengali	M.A. in Bengali
Business Administration	Ph.D. in Business Administration	MBA
Business Administration (Human Resource)	Ph.D. in Business Administration (Human Resource)	MBA (Human Resource)
Commerce	Ph.D. in Commerce	M.Com.
Economics	Ph.D. in Economics	M.A. in Economics
		M.Sc. in Economics
Education	Ph.D. in Education	M.A. in Education
		M.Ed.
		B.Ed.
English and Culture Studies	Ph.D. in English	M.A. in English
Foreign Language	-	Advanced Diploma in French
		Advanced Diploma in Russian
		Diploma in French
		Diploma in German
		Diploma in Russian
		Certificate in French
		Certificate in German
Certificate in Russian		
Hindi	Ph.D. in Hindi	M.A. in Hindi
History	Ph.D. in History	M.A. in History
Law	Ph.D. in Law	LL.M.
		LL.B. (3-Year)
Library & Information Science	Ph.D. in Library & Information Science	Master of Library and Information Science
Mass Communication	Ph.D. in Mass Communication	M.A. in Mass Communication
Philosophy	Ph.D. in Philosophy	M.A. in Philosophy
Physical Education	Ph.D. in Physical Education	M.A. in Physical Education
Political Science	Ph.D. in Political Science	M.A. in Political Science
Sanskrit	Ph.D. in Sanskrit	M.A. in Sanskrit



Name of the Department	Name of the Programs	
Santali	Ph.D. in Santali	M.A. in Santali
Sociology	Ph.D. in Sociology	M.A. in Sociology
Tourism Management	Ph.D. in Tourism Management	M.B.A. (Tourism)
Women Studies	-	M.A. in Women's Studies

Programs offered in the academic departments of the university under PG Faculty Council of Science:

Name of the Department	Name of the Programs	
Biotechnology	Ph.D. Biotechnology	M.Sc. in Biotechnology
Botany	Ph.D. in Botany	M.Sc. in Botany
Chemistry	Ph.D. in Chemistry	M.Sc. in Chemistry
Computer Science	Ph.D. in Computer Science	M.Sc. in Computer Science
Electronics & Communication	-	M.Sc. in Electronics & Communication
Environmental Science	Ph.D. in Environmental Science	M.Sc. in Environmental Science
Geography	Ph.D. in Geography	M.A. in Geography
		M.Sc. in Geography
Geospatial Science	-	M.Sc. in Geospatial Science
Mathematics	Ph.D. in Mathematics	M.A. in Mathematics
		M.Sc. in Mathematics
Microbiology	Ph.D. in Microbiology	M.Sc. in Microbiology
Molecular Biology & Human Genetics	-	M.Sc. in Molecular Biology & Human Genetics
Nutrition & Public Health	-	M.Sc. in Nutrition & Public Health
Physics	Ph.D. in Physics	M.Tech. in E & CE (Microwaves)
		M.Sc. in Physics
Physiology	Ph.D. in Physiology	M.Sc. in Physiology
Psychology	-	M.A. in Psychology
		M.Sc. in Psychology



Name of the Department	Name of the Programs	
Statistics	Ph.D. in Statistics	M.A. in Statistics
		M.Sc. in Statistics
Zoology	Ph.D. in Zoology	M.Sc. in Zoology

Teachers, Officers and Non-Teaching Employees:

Total number of sanctioned post for Teachers	:	363
Number of Professors	:	120
Number of Associate Professors	:	15
Number of Assistant Professors	:	70
Faculty Contractual	:	06
Total number of sanctioned post for Officers	:	59
Number of Officers	:	32
Total number of sanctioned post for Non-Teaching Employees	:	1317
Number of Non-Teaching Employees	:	481

Students admitted to different UG & PG programs in the academic departments:

Name of the Department	Name of the Program	Sanctioned Intake	Application Received	Students Admitted [2023-24 session]
Arabic	M.A. in Arabic	32	23	8
Bengali	M.A. in Bengali	297	1363	254
Business Administration	MBA	47	159	26
Business Administration (Human Resource)	MBA (Human Resource)	47	78	27
Commerce	M.Com.	169	421	100
Economics	M.A. in Economics	140	54	24
	M.Sc. in Economics			
Education	M.A. in Education	63	382	54
	M.Ed.	50	478	49



Name of the Department	Name of the Program	Sanctioned Intake	Application Received	Students Admitted [2023-24 session]
	B.Ed.	50	395	50
English and Culture Studies	M.A. in English	254	1338	203
Hindi	M.A. in Hindi	133	66	42
History	M.A. in History	240	927	205
Law	LL.M.	49	465	43
	LL.B. (3-Year)	60	1908	59
Library & Information Science	Master of Library and Information Science	34	661	25
Mass Communication	M.A. in Mass Communication	81	686	69
Philosophy	M.A. in Philosophy	133	366	115
Physical Education	M.A. in Physical Education	40	285	37
Political Science	M.A. in Political Science	163	765	141
Sanskrit	M.A. in Sanskrit	160	307	112
Santali	M.A. in Santali	47	122	33
Sociology	M.A. in Sociology	81	164	52
Tourism Management	M.B.A. (Tourism)	34	31	20
Women Studies	M.A. in Women's Studies	47	239	39
Biotechnology	M.Sc. in Biotechnology	31	368	21
Botany	M.Sc. in Botany	79	255	58
Chemistry	M.Sc. in Chemistry	101	324	62
Computer Science	M.Sc. in Computer Science	40	175	29
Electronics & Communication	M.Sc. in Electronics & Communication	35	56	7
Environmental Science	M.Sc. in Environmental Science	37	301	14
Geography	M.A. in Geography	88	1203	76
	M.Sc. in Geography			
Geospatial Science	M.Sc. in Geospatial Science	27	513	19
Mathematics	M.A. in Mathematics	156	394	105
	M.Sc. in Mathematics			



Name of the Department	Name of the Program	Sanctioned Intake	Application Received	Students Admitted [2023-24 session]
Microbiology	M.Sc. in Microbiology	35	137	23
Molecular Biology & Human Genetics	M.Sc. in Molecular Biology & Human Genetics	36	314	12
Nutrition & Public Health	M.Sc. in Nutrition & Public Health	50	163	35
Physics	M.Tech. in E&CE (Microwaves)	24	24	17
	M.Sc. in Physics	115	300	84
Physiology	M.Sc. in Physiology	35	59	7
Psychology	M.A. in Psychology	30	70	11
	M.Sc. in Psychology			
Statistics	M.A. in Statistics	41	109	26
	M.Sc. in Statistics			
Zoology	M.Sc. in Zoology	114	407	97
Ph.D. students admitted across all programs		141		

Number of seats filled against seats reserved for various categories as per applicable reservation policy (Excluding Supernumerary Seats)

Number of seats earmarked for reserved category as per GOI or State Government rule				Number of students admitted from the reserved category			
SC	ST	OBC	General	SC	ST	OBC	General
804	218	603	1707	514	159	488	1278

Online courses through SWAYAM-NPTEL/ MOOCS through which credit transfer has been done:



Name of the course	Credit Value	Number of students completed
Cell Culture and Technologies	02	144
Biodiversity Protection, Farmers and Breeders Rights	02	24
Calculus for Economics, Commerce and Management	02	01
Cellular Biophysics: A Framework for Quantitative Biology	02	01
Communication Skills Modes & Knowledge	02	04
Computer Aided Drug Design	02	01
Data Science for Engineers	02	17
Energy Conversation Technology (Biomass and Coal)	02	01
Identification of Children with Visual Impairment and Assessment of Needs	02	08
Introductory Rural Sociology:Continuity and Change	02	01
Introduction to Airplane Performance	02	02
Introduction to Exercise Physiology & Sports Performance	02	32
Introduction to Urban Geography	02	01
Introduction to Urban Planning	02	23
Principles of Landscaping & Gardening	02	16
Remote Sensing and GIS	02	09
Sensor Technologies: Physics, Fabrication, and Circuits	02	02
Soft Skill Development	02	13
Sports and performance Nutrition	02	04
Sustainable Engineering Concepts and Life Cycle Analysis	02	26
Technologies for Clean and Renewable Energy Production	02	09
Tissue Engineering	02	01


Enrolled students across programmes offered through university own campus:

Name of the Department	Name of the Program	Number of students enrolled [two preceding sessions]
Arabic	M.A. in Arabic	16
Bengali	M.A. in Bengali	431
Business Administration	MBA	60
Business Administration (Human Resource)	MBA (Human Resource)	56
Commerce	M.Com.	126
Economics	M.A. in Economics	15
	M.Sc. in Economics	62
Education	M.A. in Education	88
	M.Ed.	81
	B. Ed.	92
English and Culture Studies	M.A. in English	381
Hindi	M.A. in Hindi	106
History	M.A. in History	332
Law	LL.M.	70
	LL.B.	184
Library & Information Science	Master of Library and Information Science	27
Mass Communication	M.A. in Mass Communication	100
Philosophy	M.A. in Philosophy	179
Physical Education	M.A. in Physical Education	0
Political Science	M.A. in Political Science	225
Sanskrit	M.A. in Sanskrit	216
Santali	M.A. in Santali	60
Sociology	M.A. in Sociology	101
Tourism Management	M.B.A. (Tourism)	39
Women Studies	M.A. in Women's Studies	34



Name of the Department	Name of the Program	Number of students enrolled [two preceding sessions]
Biotechnology	M.Sc. in Biotechnology	44
Botany	M.Sc. in Botany	113
Chemistry	M.Sc. in Chemistry	140
Computer Science	M.Sc. in Computer Science	58
Electronics & Communication	M.Sc. in Electronics & Communication	13
Environmental Science	M.Sc. in Environmental Science	42
Geography	M.A. in Geography	118
	M.Sc. in Geography	18
Geospatial Science	M.Sc. in Geospatial Science	37
Mathematics	M.A. in Mathematics	0
	M.Sc. in Mathematics	183
Microbiology	M.Sc. in Microbiology	53
Molecular Biology & Human Genetics	M.Sc. in Molecular Biology & Human Genetics	21
Nutrition & Public Health	M.Sc. in Nutrition & Public Health	82
Physics	M.Tech. in E&CE (Microwaves)	21
	M.Sc. in Physics	143
Physiology	M.Sc. in Physiology	20
Psychology	M.A. in Psychology	13
	M.Sc. in Psychology	9
Statistics	M.A. in Statistics	0
	M.Sc. in Statistics	41
Zoology	M.Sc. in Zoology	165



Final Result of the Academic Year 2024-2025 for the programmes offered through the own campus of the University

Name of the Program	Number of students enrolled	Number of students appeared	Number of students passed
M.A. in Arabic	9	9	7
M.A. in Bengali	201	201	199
MBA	30	30	30
MBA (Human Resource)	29	29	28
M.Com.	40	40	34
M.A. in Economics	10	10	10
M.Sc. in Economics	33	33	32
M.A. in Education	42	42	42
M.Ed.	34	34	34
B.Ed.	44	44	44
M.A. in English	185	185	180
M.A. in Hindi	65	65	65
M.A. in History	153	153	152
LL.M.	25	25	25
Master of Library and Information Science	11	11	11
M.A. in Mass Communication	34	34	34
M.A. in Philosophy	82	82	82
M.A. in Political Science	103	103	102
M.A. in Sanskrit	78	78	71
M.A. in Santali	27	27	27
M.A. in Sociology	49	49	48
M.B.A. (Tourism)	19	19	17
M.A. in Women Studies	15	15	14
M.Sc. in Biotechnology	25	25	25



Name of the Program	Number of students enrolled	Number of students appeared	Number of students passed
M.Sc. in Botany	55	55	51
M.Sc. in Chemistry	68	68	64
M.Sc. in Computer Science	29	29	29
M.Sc. in Electronics & Communication	10	10	7
M.Sc. in Environmental Science	21	21	21
M.A. in Geography	57	57	57
M.Sc. in Geography	9	9	9
M.Sc. in Geospatial Science	18	18	18
M.A. in Mathematics	0	0	0
M.Sc. in Mathematics	76	76	67
M.Sc. in Microbiology	25	25	25
M.Sc. in Molecular Biology & Human Genetics	11	11	11
M.Sc. in Nutrition & Public Health	46	46	46
M.Tech. in E&CE (Microwaves)	2	2	2
M.Sc. in Physics	63	63	58
M.Sc. in Physiology	12	12	12
M.A. in Psychology	6	6	6
M.Sc. in Psychology	5	5	5
M.A. in Statistics	0	0	0
M.Sc. in Statistics	21	21	20
M.Sc. in Zoology	86	86	86



Financial Assistance to students during 2024-2025:

Name of the Scheme	Type (Please mention Central Government/ State Government/ Institutional/ Non-Government)	Number of Students benefited
SWAMI VIVEKANANDA MERIT-CUM-MEANS SCH.	State Government	Fresher = 600 Renewal = 387 Total = 987
KANYASHREE SCHOLARSHIP (K-3 COMPONENT)	State Government	Fresher = 1324 Renewal = 1083 Total = 2407
SWAMI VIVEKANANDA MERIT-CUM-MEANS SCH. FOR PROF. & TECHNICAL COURSE	State Government	Fresher = 52 Renewal = 29 Total = 81
AIKYASHREE / W.B. GOVT. MINORITIES DEVELOPMENT & FINANCE CORPORATION (POST MATRIC)	State Government	Fresher = 04 Renewal = 02 Total = 06
AIKYASHREE / W.B. GOVT. MINORITIES DEVELOPMENT & FINANCE CORPORATION (MERIT CUM MEANS)	State Government	Fresher = 11 Renewal = 11 Total = 22
AIKYASHREE / W.B. GOVT. MINORITIES DEVELOPMENT & FINANCE CORPORATION (SVMCM)	State Government	Fresher = 163 Renewal = 119 Total = 282
SC/ST/OBC SCHOLARSHIP	State Government	SC/ST Fresher = 75 Renewal = 65 Total = 140 OBC Fresher = 34 Renewal = 25 Total = 59 Both (140+59)=199
PG INDIRA GANDHI SCH. FOR SINGLE GIRL CHILD	Central Government	Fresher = 02 Renewal = 13 Total = 15
POST MATRIC SCH. SCHEME FOR MINORITIES CS	Central Government	Fresher = 05 Renewal = 02 Total = 07
MERIT CUM MEANS SCH. FOR PROF.&TECH. COURSE CS	Central Government	Fresher = 01 Renewal = 01 Total = 02
POST MATRIC SCH. FOR STUDENTS WITH DISABILITIES	Central Government	Fresher = 02 Renewal = 05 Total = 07
TUITION FEE CONCESSION (FULL FEE)	Institutional	383
TUITION FEE CONCESSION (HALF FEE)	Institutional	289


Extension and outreach programs conducted by the institution through NSS during 2024-2025:

Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Date(s) & Year of the activity
World No-Tobacco Day Campaign	NSS Cell, The University of Burdwan and Burdwan Dental College and Hospital	NSS Regular Activities	31/05/2024
Inaugural Session of "Intensified IEC Campaign 2024" and Presentation of Street Drama, Protirodher Panchali: Jauno Sikkshya o Surakshya	NSS Cell, The University of Burdwan and WBSAP&CS Dept. of H & FW, Govt of WB	Red Ribbon Club	27/08/2024
BRAMHASHIR" and Street Drama	NSS Cell, The University of Burdwan	NSS Special Activities	29/08/2024
Pre Republic Day Camp-2024	NSS Cell, The University of Burdwan	NSS Special Activities	23/09/2024
Swachhata Hi Seva Campaign 2024	NSS Cell, The University of Burdwan and Ministry of Statistics , GoI	NSS Regular Activities	24/09/2024
Tree plantation programme	NSS Cell, The University of Burdwan and Ministry of Statistics , GoI	NSS Regular Activities	27/09/2024 to 30/09/2024
One-day workshop to explore the job market and career opportunity	The NSS Cell, of the University of Burdwan and Center for Innovation Entrepreneurship and Skill Development, CIESD in association with the RICE Group of Education	NSS Special Programme	12/12/2024
Students Induction Programme on Leadership by Saurav Ganguly	The University of Burdwan and The NSS Cell , University of Burdwan	NSS Special Programme	20/02/2025
Two Days National Seminar on "Digitalization of Health Advocacy: A Special Reference to STDs and Related Diseases"	WBSAP&CS, Department of Health and Family Welfare, Government of West Bengal, in collaboration with the NSS Cell of the University of Burdwan	NSS Special Programme	22/03/2025 & 23/03/2025
Community Out Reach in Ward No 21 and 23 , Burdwan Municipality	The NSS Cell of the University of Burdwan	NSS Special Camp	28/04/2025 to 04/06/2025
Community Out Reach in Ward No 24, Burdwan Municipality	The NSS Cell of the University of Burdwan	NSS Special Camp	28/04/2025 to 04/06/2025
Campus Plantation	The NSS Cell of the University of Burdwan	NAAC VISIT Programme	04/05/2025 to 08/05/2025
Tree plantation programme	NSS Cell The University of Burdwan and GACH Group , Burdwan	NSS Regular Activities	23/05/2025
Campus Cleaning and Decoration of Campus	The NSS Cell of the University of Burdwan	NAAC VISIT Programme	28/05/2025 to 05/06/2025



Some of the organizations where students are placed during 2024-2025:

1. TUV Rheinland India Pvt. Ltd., Visakhapatnam, Andhra Pradesh
2. CSIR-CEERI, Pilani, Rajasthan
3. MedGenome Labs Ltd.
4. Adamas University
5. Uchcha Madhyamik Vidyalaya Paluhar, Gaya, Bihar
6. Jamia Sahida Anjuman Himayatul Quran
7. EY Global Delivery Services India LLP, Karnataka , India
8. Fairfax Solution India Pvt Ltd, FE-184,, Sector – 3, Saltlake, Kolkata – 700106
9. Genpact India Private Limited, Gurgaon, Haryana 122002, India
10. CENTRAL POLLUTION CONTROL BOARD, (Ministry of Environment, Forest & Climate Change),
Shahdara, Delhi - 110 032
11. IBM India Private Limited, Bangalore - 560045, India
12. SSC
13. Bengal College of Polytechnic
14. Bank of India
15. Universidad Autonoma de Chile
16. Piramal Foundation, LBS Marg, Kurla West, Mumbai - 400070
17. Birbhum Judgeship
18. Bank of Baroda
19. SR University
20. Sreenidhi University
21. SM High Madrasha
22. Central University Jharkhand
23. Sister Nivedita University
24. Brainware University



25. Abacus Institute of Engineering and Technology
26. Archaeological Survey of India
27. Assistant Teacher Under Madrasha Service Commission
28. Central Board of Indirect Taxes and Customs
29. State Bank of India
30. Bhairab Ganguli College
31. Times of India (Ei Samay)
32. Belur Shramajibi Swasthya Prakalpa Samity
33. AMITY University
34. Shalimar Group
35. Department of Post
36. ManKind Pharma Ltd.
37. Ajanta Pharma Limited
38. BZSM College
39. Society for Human Development and Social Action
40. 2COMS Consulting Pvt Ltd
41. Amazon
42. EWMS School
43. GD Mining Pvt .Ltd., Saltlake Sector-V, Kolkata-700091
44. Sustainable Technology Solution. Bokaro
45. Hydronix Solutions, Kol-700083
46. Ultratech Environmental Consultancy and Laboratory, Kolkata 700064
47. JM Environ Net Pvt.Ltd, Jaipur, Rajasthan
48. Suntech Laboratory Pvt.Ltd, Ranchi



Some of the organizations where students enrolled for higher studies during 2024-2025:

1. IIT-Madras
2. IIT-Delhi
3. IIT-Kanpur
4. IIT- Kharagpur
5. IIT-Guwahati
6. IIT-Jodhpur
7. IISER, Bhopal
8. Jawaharlal Nehru University
9. Banaras Hindu University
10. Presidency University
11. TCG CREST
12. Academy of Scientific and Innovative Research
13. NIT Durgapur
14. Universidad Católica del Maule, Talca, Chile
15. Wildlife Institute of India
16. Aliah University, Kolkata
17. University of Calcutta
18. Kazi Nazrul University

**Ph.D. Awarded during Academic Year 2024-2025:**

Sl. No.	Name of the Phd research Scholar	Department	Title of the Thesis	Date of registration	Date of Award of PhD
1	Sm. Manali Dutta	Zoology	<i>Mosquitocidal effects of seed extracts of Michelia champaca on immatures of Aedes aegypti and Aedes albopictus</i>	06.18.2018	01.07.2024
2	Sk Mohasina	Sociology	<i>Social Capital among the Muslims: A Sociological Study of Two Villages in Burdwan</i>	02.03.2021	02.07.2024
3	Sri Sreemanta Sarkar	Commerce	<i>A Study of Factors affecting the Performance of Commercial Banks in India</i>	21.12.2019	02.07.2024
4	Sri Suwendu Mondal	Bengali	<i>Paricharica Patrika: Bangali Nari Parisar (1285-1335)</i>	25.07.2017	09.07.2024
5	Sri Arindam Roy	Geography	<i>Homeless People and the Question of Social Justice in Kolkata Municipal Corporation Area</i>	18.07.2017	15.07.2024
6	Sri Pijush Bera	Bengali	<i>Saibal Mitrer Kathasahitye Pratiphalito Rajnaitik Motadarsha O Jibanbiksha</i>	17.10.2017	15.07.2024
7	Sm. Nabamita Chaudhury	Microbiology	<i>The Study of Human Papilloma Virus and its Association with Cervico-vaginal Microbiota in Bengali Cohort</i>	01.09.2017	18.07.2024
8	Sri Indrajit Das	Commerce	<i>Fair Value Accounting Practices in India: A Study</i>	24.01.2019	18.07.2024
9	Sri Debangsu Sarma Chaudhuri	Business Administration	<i>A Study of the Relationship between Organizational Learning and Strategic Business Architecture with respect to Port and Shipping Organisations in India</i>	18.06.2013	25.07.2024
10	Sm. Ishani Roy	Bengali	<i>Swadhinata Purbabarti Bangla Shishu-Kishor Sahitya: Ramayan Prasanga</i>	25.07.2017	07.08.2024
11	Sm. Paramita Banerjee	Zoology	<i>Investigation of the Factors Affecting Pre and Post Oviposition in Culicoides spp. (Diptera: Ceratopogonidae) of Veterinary Importance</i>	25.07.2018	07.08.2024
12	Sri Apurba Saha	Mathematics	<i>Investigations of eigenvalues and some geometric constants on Riemannian manifolds</i>	28.11.2019	07.08.2024



Sl. No.	Name of the Phd research Scholar	Department	Title of the Thesis	Date of registration	Date of Award of PhD
13	Sri Pratap Saha	Mathematics	<i>Theory of Entire and Meromorphic functions and their aspects</i>	22.05.2019	13.08.2024
14	Sm. Shravasti Pathak	History	<i>From Colonial Medicine to National Medicine Contributions of Dr. Radhagobinda Kar and Dr. Nilratan Sircar</i>	17.07.2017	13.08.2024
15	Sri Tarun Chowdhury	Sanskrit	<i>Dhātvanuśāsane Pāṇini-Hemacandrīyamātayoh Samīkṣaṇam</i>	25.09.2017	13.08.2024
16	Manjari Hasin Khanam	Economics	<i>Variation in Output and Energy Use in Polluting Industries of India: A Decomposition Analysis</i>	26.07.2018	13.08.2024
17	Sri Subhendu Ghosh	Geography	<i>Growth and Changes in Urban Ecological set up of Chandernagore and Hooghly-Chinsurah Urban Area</i>	04.07.20217	13.08.2024
18	Sri Subrata Nayak	Chemistry	<i>Chemical Physics Behind Fullerene-Porphyrin Supramolecular Interaction Studied in Solution</i>	27.07.2018	13.08.2024
19	Sm. Roshmi Biswas	Zoology	<i>Biosystematics of Freshwater Fish Cestodes: Special Emphasis on the Order Caryophyllidea</i>	22.05.2019	16.08.2024
20	Sri Suranjan Lakshan	Physics	<i>Theoretical Studies of Switching Behavior of some Pockels and Kerr Type of Materials for the Purpose of Optical Modulation</i>	24.07.2018	16.08.2024
21	Sm. Ananya Dey	Botany	<i>Elucidation of ROS- Antioxidant interaction dynamics in redox signaling during germination of rice differing in sensitivity towards salinity stress (Oryza sativa L., Cultivars, IR29 & Pokkali)</i>	24.07.2018	16.08.2024
22	Sm. Moumita Das	Bengali	<i>Bish Shataker Bangla Kathasahitye Samudra Prasanga: Samiksha O Alochona</i>	09.11.2017	23.08.2024
23	Sri Kartik Tantubay	Chemistry	<i>Synthesis and Characterization of Different Nanomaterials for Multifunctional Applications</i>	17.07.2017	23.08.2024



Sl. No.	Name of the Phd research Scholar	Department	Title of the Thesis	Date of registration	Date of Award of PhD
24	Sri Saikat Mondal	Zoology	<i>Studies on the Zooplankton Diversity in Relation to the Water Quality of Open Pit-Lakes of Raniganj Coal Field Area, West Bengal, India</i>	27.07.2018	28.08.2024
25	Sm. Swagata Mandal Sarkar	Chemistry	<i>Method Development for the Analysis of Pesticide Residues in Different Food Matrices and Studies of Pesticidal Activities of Organic Compounds</i>	23.07.2018	28.08.2024
26	Sri Soumen Mondal	Computer Science	<i>Studies on Blockchain Application for Secure and Efficient Information Management in Online Education</i>	28.11.2019	28.08.2024
27	Sri Amartya Bhattacharya	Statistics	<i>A Study on Statistical Inference in Process Capability Analysis</i>	19.07.2017	30.08.2024
28	Sm. Lipi Halder	Bengali	<i>Antahpur' Patrika O Narir Chintajagat</i>	19.01.2012	30.08.2024
29	Sm. Pallabi Saha	Bengali	<i>Bish Shataker Dwitiyardher Bangla Kabitai Puran Prasanger Nabanirman</i>	25.07.2017	03.09.2024
30	Sri Subhodeep Barman	Physics	<i>Synthesis and Characterization of ZnO-based Nanomaterials from Plant Extracts</i>	31.07.2019	05.09.2024
31	Sm. Sukanya Chakravarty	Sociology	<i>Gender and Mystery: A Sociological Study of Bengal Detective Stories</i>	16.09.2011	05.09.2024
32	Sri Parimal Ghosh	Economics	<i>An Inquiry into the Nature, Causes and Consequences of Macroeconomic Fluctuations</i>	20.07.2018	09.09.2024
33	Sm. Dhritishree Ghosh	Microbiology	<i>Study of biological mechanisms for controlling biofilm forming ability of Burkholderia cepacia</i>	05.09.2018	09.09.2024
34	Sri Uttam Kumar Hazra	Library & Information Science	<i>Information Seeking Behaviour of Women Users in Public Libraries in Purba Bardhaman District, West Bengal</i>	24.07.2017	09.09.2024
35	Sm. Madhumita Rakshit	Bengali	<i>Swadhinata Uttar Bangla Kathasahitye Bharatkathar Nabanirman: Ekti Samiksha</i>	25.07.2017	09.09.2024
36	Sm. Srabani Ghosh	Business Administration	<i>Financial Performance Analysis of Select Private Commercial Banks in India</i>	09.12.2019	09.09.2024



Sl. No.	Name of the Phd research Scholar	Department	Title of the Thesis	Date of registration	Date of Award of PhD
37	Sm. Moitri Let	Botany	<i>Defluoridation of fluoride rich water sources by using fluoride tolerating bacteria</i>	19.05.2019	12.09.2024
38	Sri Tuhin Pal	Botany	<i>Assessment of diversity based on molecular and biochemical markers of certain taxa of the family Characeae</i>	19.07.2017	20.09.2024
39	Sri Shauvik Roy Chowdhury	Business Administration (HR)	<i>Human Resource Management Practices in Indian Universities : Perspective and Prospect</i>	09.02.2012	20.09.2024
40	Sri Subhrajyoti Kundu	Mass Communication	<i>Discourse Analysis of Rabindrasangeet: Selected Songs from 1901-1941</i>	10.12.2019	20.09.2024
41	Ruby Noor	Bengali	<i>Afsar Ahmeder Uptonnyas : Jibondristir Boichitranusandhan</i>	25.07.2017	20.09.2024
42	Sri Gourab Panja	Economics	<i>Financial Inclusion, Inequality and Rural Development: A Study of West Bengal</i>	26.07.2018	20.09.2024
43	Sri Rabindra Nath Mudi	Bengali	<i>Anil Gharai-Er Kathasahitya : Antyaja Manusher Jiban-Akhyan</i>	25.07.2017	20.09.2024
44	Sm. Arunima Dhar (Dey)	Sociology	<i>Impact of High-rise Buildings on the Neighborhood with Special Reference to Women: The Case of Rajarhat, West Bengal</i>	03.03.2015	20.09.2024
45	Imroj Ahamed	Law	<i>Remedial Measures for the Victims of Road Accident under the Motor Vehicles Act, 1988: A Critical Study</i>	24.02.2014	20.09.2024
46	Sri Utpal Panja	Geography	<i>Spatio-Temporal Dynamicity of Elephant Corridors in West Bengal and its Impact on Human-Elephant Interface</i>	24.05.2019	20.09.2024
47	Tahera Khatoon	Urdu	<i>Taraqqi Pasand Afsano Mein Insan Dosti</i>	12.03.2014	20.09.2024
48	Sri Chandra Kanta Saha	Economics	<i>Exploring the Vulnerabilities of Migrant Construction Workers in West Bengal: A Governance Approach</i>	21.12.2019	20.09.2024
49	Zafar Iqbal	Urdu	<i>Ehtejaj Aur Urdu Afsana</i>	15.07.2014	20.09.2024



Sl. No.	Name of the Phd research Scholar	Department	Title of the Thesis	Date of registration	Date of Award of PhD
50	Sm. Anamika Mukherjee	Bengali	<i>Narir Kalame Bangla Bhraman-Sahitya: Bandhan O Muktir Dwandwik Likhanbiswa</i>	26.07.2017	20.09.2024
51	Sri Jibon Kumar Pal	Zoology	<i>Mosquitocidal activity of phytochemicals from the fruits of Tinospora crista on rural malaria vector Anopheles subpictus</i>	07.05.2018	24.09.2024
52	Rifat Nawaz Ul Islam	Zoology	<i>Development of Algorithm and Comprehensive Understanding of Secondary Structure in Protein Function</i>	12.03.2015	24.09.2024
53	Sri Bratin Ghosh	Law	<i>Impact of Civil Society in Twenty First Century in Shaping Indian Law: A Study with Reference to Sociological School of Jurisprudence</i>	16.11.2017	26.09.2024
54	Sri Soumyajit Mukhopadhyay	Law	<i>Freedom of Expression through social media: A Legal Study with Special Reference to the Working of Information Technology Law in India</i>	13.06.2018	26.09.2024
55	Sri Supriya Roy	Sanskrit	<i>Mīmāṃsā Aphorisms and Modern Law: A Psychological Study on the Mode of Interpretation and its Present Relevance</i>	17.10.2017	26.09.2024
56	Sm. Indrani Samaddar	Zoology	<i>Diversity and Management of mites infesting Medicinal and Aromatic plants of Sundarbans, West Bengal</i>	08.10.2020	26.09.2024
57	Sm. Debadrita Basu	Law	<i>Rabindranath Tagore and his relevance to the principles of Human Rights with special reference to women empowerment</i>	15.11.2017	03.10.2024
58	Sm. Sunanda Batabyal	Environmental Science	<i>Impact of Environmental Variables and Manure Application on Growth and Yield of Some Common Rice Varieties of Purba Barddhaman District</i>	09.08.2018	04.10.2024
59	Sri Kanchan Ganguly	History	<i>Leprosy & Christian Missionary : Bankura, 1870-1947</i>	26.03.2013	04.10.2024
60	Sm. Mallika Ghosh	Sanskrit	<i>Madhyabharater Adimadhyajuger Itihas Vikkhan : Prasanga Paramaraparba</i>	14.07.2017	25.10.2025



Sl. No.	Name of the Phd research Scholar	Department	Title of the Thesis	Date of registration	Date of Award of PhD
61	Sri Sujoy Gayen	Philosophy	<i>Metaphysical Foundation of Jaina Ethics</i>	04.07.2016	25.10.2024
62	Sm. Baishakhi Saha Mandal	Bengali	<i>Bish-Ekusher Bangla Kathasahitya: Samantaral Lingasattar Akhyan</i>	10.04.2018	25.10.2024
63	Sri Arindam Ghosh	History	<i>Mining Technology, Education and Research Policy: Scientific Coal mining in Eastern India from the 1850s to 1940s</i>	17.04.2018	25.10.2024
64	Sri Sanjib Ghoshal	Physics	<i>Study of Lower Dimensional Chiral Quantum Electrodynamical Model and Its Symmetry</i>	14.12.2019	25.10.2024
65	Sri Jit Marick	Zoology	<i>Biosystematic Studies of Some Polyzoic Tapeworms (Platyhelminthes: Cestoda) Parasitizing Freshwater Fishes in West Bengal, India</i>	28.11.2019	25.10.2024
66	Sri Arjun Majhi	Bengali	<i>Ramapada Chowdhurir kathasahitye antyajajiban o lokaja upadaner shilparup</i>	25.07.2017	29.10.2024
67	Sri Mahendranath Paul	Mathematics	<i>Studies on Some Generalizations of Convergence in Topological Spaces and in Some Related Spaces Using Ideals</i>	18.07.2017	11.11.2024
68	Sri Subrata Mondal	Botany	<i>Investigation on ecological adaptation and taxonomy of the mangrove genera Avicennia L. and Sonneratia L.f. in Indian Sundarban</i>	24.07.2018	19.11.2024
69	Sri Chanchal Kumar Dey	Geography	<i>Spatio-Temporal Change in Agriculture and Its Role on Agro-Economy of Purba Bardhaman District, West Bengal</i>	14.08.2018	25.11.2024
70	Sri Krishnendu Maji	Geography	<i>Academic Achievement of Secondary School Students in Saltora Block of Bankura District, West Bengal</i>	06.11.2017	05.12.2024
71	Sri Souvick Das	Physics	<i>Investigations of Structural, Dielectric, Ferroelectric, Magnetic Properties and Multiferroicity in some Single Phase and Composite Nanomaterials</i>	20.05.2019	05.12.2024
72	Sri Uday Sankar Sarkar	History	<i>A Study of Santal Migration in North and South West Bengal : 1850s-1950s</i>	17.07.2017	09.12.2024



Sl. No.	Name of the Phd research Scholar	Department	Title of the Thesis	Date of registration	Date of Award of PhD
73	Ms Moubonny Das	Microbiology	<i>Isolation and characterization of dominant microorganism from the fermented beverage consumed by a tribal community in the district of Birbhum, West Bengal, India and their bioprospecting</i>	05.09.2018	13.12.2024
74	Ms Babita Pal	Botany	<i>Exploring the role of redox biology, identification of plant hormones and candidate hub genes regulating herbal and chemical seed potentiation of two indigenous aromatic rice cultivars (Oryza sativa L., Cultivars Tulaipanji and Jamainadu)</i>	18.05.2019	13.12.2024
75	Ms Mamotaj Khatun	Physics	<i>Synthesis, Characterization and Measurement of Physical Properties of Some Nanocrystalline Perovskites</i>	09.08.2019	13.12.2024
76	Sri Abhilash Dey	English	<i>Representation of Dalits in Select Contemporary Graphic Narratives</i>	20.12.2017	18.12.2024
77	Sri Abhinandan Malas	English	<i>Exploring the Human Unconscious: A Study of Select Plays of Girish Karnad</i>	28.08.2012	18.12.2024
78	Ms Moitri Bhadra	Botany	<i>Impact of Biotic and Abiotic Stress on Berberine Production of Tinospora cordifolia (Willd.) Miers Ex Hook. F. & Thoms</i>	26.07.2018	23.12.2024
79	Sri Adwaita Das	Botany	<i>Investigation of Bioactive Compounds, Pharmacological Activities and Establishment of in vitro Culture of Vernonia squarrosa (D. Don) Less.</i>	18.05.2019	23.12.2024
80	Sk Ismaile	Geography	<i>Reorganization of Districts of West Bengal Since Independence and Its Impact on Development</i>	28.11.2019	23.12.2024
81	Ms Paramita Bhattacharjee	Bengali	<i>Upanyaser Adhare Grambharater Sandhan: Nalini Bera O Ramkumar Mukhopadhyay</i>	07.08.2018	24.12.2024
82	Sri Rahul Chandra	Physics	<i>Exotic Responses in Periodically Driven Many Body Systems</i>	25.07.2018	30.12.2024
83	Ms Sanjukta Niyogi	Economics	<i>A Study of Indian Power Sector Reforms and Future Prospects</i>	26.07.2018	22.11.2024



Sl. No.	Name of the Phd research Scholar	Department	Title of the Thesis	Date of registration	Date of Award of PhD
84	Sri Asish Dhara	Geography	<i>Urban Livelihood and Prevalence of Non-Communicable Diseases in Selected Cities of West Bengal</i>	18.07.2017	11.01.2025
85	Ms Pompa Mondal	Geography	<i>Urban Growth and Changing Socio-Economic Environment of Rajpur-Sonarpur Municipal Area, West Bengal</i>	14.08.2018	11.01.2025
86	Ms Seeuly Nath	Commerce	<i>Contribution of Micro, Small and Medium Entrepreneurial Activities on Well-being of Women Participants in Select Districts of West Bengal</i>	22.06.2018	11.01.2025
87	Sri Samrat Banerjee	Botany	<i>Exploring the function of Arabidopsis RAD21.3, a yeast orthologue of sister chromatid cohesion 1 protein in homologous recombination mediated DNA damage repair for maintaining genome stability</i>	18.05.2019	11.01.2025
88	Ms Sanjukta De	Economics	<i>Employability, Skill Gap and Demographic Dividend in India</i>	26.07.2018	15.01.2025
89	Sri Arnab Mahapatra	Economics	<i>Waste to Wealth: Circular Economy Approach</i>	21.12.2019	15.01.2025
90	Ms Samedutta Mukherjee	English	<i>Re-defining Resistance in Select Diaries and Blogs of Iraqi Women in Times of War (1991-2006)</i>	18.07.2018	23.01.2025
91	Mahub Rahaman	Physics	<i>Symmetry Breaking and Quantum Localization in Periodically Driven Many-Body Systems</i>	25.07.2018	23.01.2025
92	Ms Moupriya Mondal	Biotechnology	<i>In vitro propagation of an important medicinal plant <i>Gloriosa superba</i> L. and its phytochemical and cytological study</i>	14.08.2018	23.01.2025
93	Sri Sumanta Daw	Computer Science	<i>Automatic Recognition of Offline Olchiki Script</i>	08.08.2018	23.01.2025
94	Ms Rinita Das	Law	<i>Corporate Fraud and Its Detection: A Study of the Indian Legal Framework with Special Reference to the Role of Auditors</i>	09.12.2019	30.01.2025
95	Sri Bankim Chandra Ghosh	Economics	<i>Agricultural Performance and Human Development: A Comparative Study of Two Districts in South Bengal</i>	06.06.2018	31.01.2025



Sl. No.	Name of the Phd research Scholar	Department	Title of the Thesis	Date of registration	Date of Award of PhD
96	Ms Sathi Naik	Sociology	<i>Identity and Livelihood Problems of Transgender in Kolkata: A Sociological Study</i>	21.12.2019	31.01.2025
97	Sri Satrajit Dutta	Economics	<i>India's Transition to Low Carbon Energy Structure: An Empirical Analysis</i>	26.07.2018	31.01.2025
98	Sri Mukesh Singh	Geography	<i>Socio-Economic Transformation and Cultural Adaptation of Inter-State Migrants in Selected Urban Centers of Paschim Bardhaman District, West Bengal</i>	28.11.2019	31.01.2025
99	Sri Nilanjan Das	Environmental science	<i>Greenhouse Gas Emissions and Carbon Sequestration in Mangrove Ecosystem of Sundarban through a Structurally Dynamic Modelling Approach</i>	08.09.2021	31.01.2025
100	Sri Pinaki Ranjan Ghosh	Mathematics	<i>Investigation on Some Properties of Curves and Surfaces</i>	26.07.2018	04.02.2025
101	Ms Mousumi Sarkar	Mathematics	<i>Investigation on Curvature Properties of Certain Spacetimes</i>	29.11.2019	05.02.2025
102	Sri Tushar Kanti Ghosh	Commerce	<i>Financial Performance Analysis of Selected Public Sector Steel Companies in India - A Post Liberalization Study</i>	15.09.2011	08.02.2025
103	Sri Biswajit Saha	Library and Information Science	<i>Linked Open Data for Literature Resources: Designing a Service Framework for Management Science</i>	24.07.2017	08.02.2025
104	Sri Arunoday Sarkar	Physics	<i>Cosmological perturbations and quantum fluctuations in the early universe</i>	26.07.2018	08.02.2025
105	Sri Gouri Sankar Pal	Zoology	<i>Biosystematics of the Genus Forcipomyia Meigen, 1818 (Diptera: Ceratopogonidae) from West Bengal</i>	28.11.2019	08.02.2025
106	Sri Amit Kumar Dey	Environmental science	<i>Impact of Trace and Potentially Toxic Elements on Sustainable Fish Culture Considering Human Health Risk Assessment in Opencast Coal Pits of Raniganj Coalfield Areas</i>	09.09.2021	08.02.2025



Sl. No.	Name of the Phd research Scholar	Department	Title of the Thesis	Date of registration	Date of Award of PhD
107	Ms Swati Adhikari	Computer Science	<i>Development of Computer Aided System for Detection of Ligand Binding Sites in Bio-Molecules</i>	08.08.2018	18.02.2025
108	Sri Pronsenjit Mandal	Mathematics	<i>Investigation on Ricci Solitons and Yamabe Solitons with their Generalizations</i>	14.09.2021	18.02.2025
109	Mr Mabud Ali Sarkar	Mathematics	<i>Studies on Formal Group Laws over Local Fields</i>	26.07.2018	24.02.2025
110	Ms Alka Rajak	Sociology	<i>Empowerment of Women through Informal Work: A Sociological Study of Women Workers in Beliaghata, Kolkata</i>	17.07.2017	26.02.2025
111	Sri Pranabesh Talukdar	Political Science	<i>Role of the United Central Refugee Council (UCRC) in Mobilization and Rehabilitation of Post-Partition Refugees in West Bengal: A Study</i>	24.01.2018	01.03.2025
112	Shireen Md Zulfiquar	Law	<i>A Quest for Elements of Human Rights in Shariah (Islamic Law): An Analytical Study with Reference to Universal Declaration of Human Rights, 1948</i>	24.02.2014	01.03.2025
113	Natraj Gupta	Hindi	<i>Naresh Mehta Ke Khand Kavya : Mithak Aur Naye Sandarbh Ka Adhyayan</i>	21.01.2014	01.03.2025
114	Ms Choudhury Saswati Das	Education	<i>Effectiveness of Synectics Model of Teaching in Enhancing Creative Thinking Ability and Academic Achievement in Science</i>	07.06.2012	01.03.2025
115	Ms Tania Sen	Business Administration	<i>Enhancement of Longevity of Human Life and its Impact on Profitability of Select Life Insurance Companies in India</i>	18.07.2018	01.03.2025
116	Sri Soumitra Sarkar	Sociology	<i>The Rise of Care Industry : A Sociological Study of Old Age Homes in West Bengal</i>	12.07.2017	01.03.2025
117	Ms Koyel Roy	Law	<i>A Study of Legal Framework Governing Rights of Transgender Communities with special reference to West Bengal</i>	27.03.2017	01.03.2025



Sl. No.	Name of the Phd research Scholar	Department	Title of the Thesis	Date of registration	Date of Award of PhD
118	Sri Rupesh Yadav	Commerce	<i>Efficiency in Working Capital Management of Select Central Public Sector Enterprises in India: An Empirical Analysis</i>	21.12.2019	01.03.2025
119	Sri Shantanu Bhattacharjee	Education	<i>Effect of Constructivist Approach of Teaching on Secondary School Students' Achievement in Science</i>	07.06.2012	05.03.2025
120	Ms Megha Kaviraj	Zoology	<i>Assessment of Rates and Players of Dissimilatory Nitrate Reduction to Ammonium in Rice-Agro Ecosystem</i>	01.08.2019	08.03.2025
121	Mr Rakibul Islam	History	<i>Urbanization in Murshidabad District, 1869-1947</i>	17.07.2017	08.03.2025
122	Ms Suparna Pal	Geography	<i>Questioning Rural-Urban Divide: A Study of Bardhaman City and Surrounding Large Villages</i>	28.11.2019	17.03.2025
123	Ms Sumita Chakraborty	History	<i>Women in the Adivasi Society: Changing Socio-Economic and Political Status of Santhal Women in South West Bengal (1951-2017)</i>	21.12.2019	18.03.2025
124	Ms Riya Maji	English	<i>Anxieties and Aspirations: Race and the Scientist Figure in Select Late Victorian Texts</i>	17.07.2017	22.03.2025
125	Sri Kailash Mondal	Botany	<i>Floristic Investigations on the Charophytes of Certain Districts of South Bengal, India</i>	03.08.2018	24.03.2025
126	Sri Biswajit Mandal	Geography	<i>Spatial Variation of Socio-economic Condition of Aged People in Kalyani Subdivision of Nadia District, West Bengal</i>	29.10.2018	25.03.2025
127	Ms Manami Datta	Geography	<i>Tea Gardens as Gendered Spaces: A Study of Dooars, West Bengal</i>	19.12.2019	25.03.2025
128	Ms Jayashri Das	Zoology	<i>Evaluation of Algal Biomass in Formulation of Carp diets: Effects on Growth, Metabolic Profile and Immune Parameters in rohu, Labeo rohita (Hamilton, 1822)</i>	27.07.2018	25.03.2025



Sl. No.	Name of the Phd research Scholar	Department	Title of the Thesis	Date of registration	Date of Award of PhD
129	Sri Debojyoti Mishra	Environmental science	<i>Hydrogeochemistry of arsenic and associated heavy metals in Murshidabad District, West Bengal: spatial distribution, bioaccumulation and associated human health risk</i>	22.05.2019	25.03.2025
130	Ms Anshu Burnwal	Commerce	<i>Impact of Stock Split on Indian Companies during Post Reforms Period</i>	08.12.2015	31.03.2025
131	Sri Atanu Koner	Biotechnology	<i>Cytotoxic effects of AgNO₃ and PbNO₃ on Escherichia coli (BL121), Bacillus subtilis (2479), Aspergillus niger and Mus musculus</i>	14.09.2017	31.03.2025
132	Ms Ambalika Karmakar	Law	<i>Trafficking of Children: A Socio-Legal Study with Special Reference to Kolkata</i>	12.06.2018	05.04.2025
133	Ms Arpita Sengupta	Geography	<i>Dynamics of Vulnerability, Perception of Risk and People's (Im)mobility in Indian Sundarban</i>	14.08.2018	05.04.2025
134	Ms Sumana Das	Sociology	<i>Parenthood and Artificial Reproductive Technologies - Emergent Issues: A Sociological Study in Some Selected Urban Centers of West Bengal</i>	22.12.2019	05.04.2025
135	Ms Kajori Paul	English	<i>Milking the Female Unconscious: The Poetry of Anne Sexton</i>	30.09.2011	11.04.2025
136	Ms Priyanka Singh	Hindi	<i>Swatantryottar Hindi Diary Sahitya mein Yugbodh</i>	18.07.2018	11.04.2025
137	Ms Tista Chakraborty	Zoology	<i>Evaluation of Hypoglycemic, Antiproliferative and Cytotoxic Potentials of Scutellaria discolor Colebr. Extracts</i>	24.05.2019	11.04.2025
138	Ms Sima Mandal	Bengali	<i>Tilottama Majumdarer Kathasahitye Swanirvar Narir Kharatyan: Nirbachita Path</i>	27.08.2018	11.04.2025
139	Sri Arup Kr Saha	Geography	<i>Access to Health Care Services in Dakshin Dinajpur District, West Bengal: A Spatio-Temporal Analysis</i>	22.05.2019	11.04.2025
140	Sri Soumyadwip Das	Commerce	<i>An Enquiry into the Financial Literacy amongst the Farmers with special reference to the State of West Bengal</i>	23.12.2019	11.04.2025



Sl. No.	Name of the Phd research Scholar	Department	Title of the Thesis	Date of registration	Date of Award of PhD
141	Zahangir Alam	Business Administration	<i>A Study on Marketing Aspects of Fisheries Products of Select Fish Markets of Sundarbans in India and Bangladesh</i>	09.10.2021	11.04.2025
142	Sri Amit Mondal	English	<i>The Idea of Compromise in Select Novels of Kazuo Ishiguro</i>	18.07.2018	12.04.2025
143	Ms Suchetana Pal	Microbiology	<i>Molecular characterization of anaphase-promoting complex from Entamoeba histolytica</i>	21.05.2019	17.04.2025
144	Sri Indrajit Chowdhuri	Geography	<i>Assessment of Land Suitability in Response to Toposequence and Climate for Agricultural Sustainability in Bankura District, West Bengal</i>	22.05.2019	19.04.2025
145	Ms Ankita Sarkar	Zoology	<i>An Appraisal on Haemolytic Gut Bacteria in Culicoides spp. (Diptera: Ceratopogonidae) Having Medico-Veterinary Importance</i>	22.05.2019	22.04.2025
146	Ms Chirashree Chakraborty	Sociology	<i>Impact of Internet and Mobile Telephone among College Students: A Study in Burdwan Town</i>	20.06.2013	03.05.2025
147	Ms Nupur Bhattacharjya	Bengali	<i>Samaj-Monostatwer Nirikhe Unishsho Sattar-Uttar Bangla Rahasya-Romancha Kahinir Panch Satyasandhani Charitra O Tader Uttaradhikar</i>	12.05.2014	03.05.2025
148	Md. Nur Amin	Bengali	<i>Shirshendu Mukhopadhyayer Upanyas : Byektir Bicchinnata O Nihsangatabodher Swarup Sandhan</i>	07.08.2018	03.05.2025
149	Ms Antara Dutta	Bengali	<i>Swadhinata-Uttor Bangla Rupkathay Shishu-Kishor Monostattwo O Tar Bibartan</i>	21.12.2019	03.05.2025
150	Sri Mohan Kumar Mondal	Sanskrit	<i>Dandharmer Aloke Prachin Bharatiya Samajbikshan</i>	12.02.2012	03.05.2025
151	Smt Kahini Palit	Sociology	<i>Bengali Middle-Class Family in Post Economic Reform Era: A Sociological Study of Kolkata</i>	22.12.2019	16.05.2025
152	Smt Minu Singh	Hindi	<i>Madhu Kankariya Ka Sahitya Aur Samajik Yatharth</i>	24.07.2017	17.05.2025



Sl. No.	Name of the Phd research Scholar	Department	Title of the Thesis	Date of registration	Date of Award of PhD
153	Smt Trisha Kapuria Tandon	English	<i>Reading Subcontinental Partition Narratives: A Gerontological Approach</i>	17.07.2017	17.05.2025
154	Sri Abhijit Aditya	Business Administration	<i>Application of Cloud Computing in Selected Industrial Problems: A Management Perspective</i>	17.07.2017	17.05.2025
155	Sri Subrata Jana	Chemistry	<i>Polysaccharides from Plant Sources: Chemical Modifications, Structural Features and Biological Activities</i>	21.05.2019	17.05.2025
156	Sri Puspendu Karmakar	Botany	<i>Assessment of the Protein and Lipid Profiles of Commonly Occurring Algal Biomass in South Bengal for Its Commercial Potentials</i>	24.07.2018	17.05.2025
157	Sri Soham Mitra	Economics	<i>Valuation of Air Pollution using Life Satisfaction Approach: A Case Study of Kolkata</i>	06.08.2018	17.05.2025
158	Mehedi Hasan Mandal	Geography	<i>Dynamisms and Ecosystem Services of Selected Wetlands Clustered in the Lower Part of Bhagirathi-Jalangi Interfluv</i>	06.11.2017	17.05.2025
159	Sri Aritra Basak	Geography	<i>Human Health Status of Economically Weak and Socially Marginal Classes in Selected Districts of West Bengal</i>	06.11.2017	17.05.2025
160	Smt Aditi Mitra	Philosophy	<i>Self in Rabindranath Tagore's Philosophy (with special reference to The Religion of Man, Mānuser Dharma, Sādhanā and Personality)</i>	20.12.2018	17.05.2025
161	Sri Moley Mandal	Bengali	<i>Bangla Katha Sahitye Samudrer Onusango o Provab(1950-2010)</i>	25.07.2017	17.05.2025
162	Smt Samsunnehar	Geography	<i>Education and Empowerment of Rural Muslim Women in Murshidabad District. West Bengal</i>	21.08.2017	17.05.2025
163	Sri Indrajit Debnath	Mathematics	<i>A Study on Some Aspects of Ideal Convergence in Density and Sparse Set Topology</i>	22.05.2019	17.05.2025
164	Smt Chandra Ghosh	English	<i>Problematics of Identity in the Works of Oodgeroo Noonuccal</i>	18.07.2018	23.05.2025



Sl. No.	Name of the Phd research Scholar	Department	Title of the Thesis	Date of registration	Date of Award of PhD
165	Sri Ritabrata Mukhopadhyay	Geography	<i>Spatial Significance of Socio-Political Movements in Puruliya District, West Bengal</i>	11.04.2017	23.05.2025
166	Sri Biswajit Mondal	Zoology	<i>Studies on Biological Activity and Host-Vector Interactions of Some Adult Culicoides spp. (Diptera: Ceratopogonidae) Associated with Livestock in West Bengal, India</i>	27.07.2018	24.05.2025
167	Mr. Abu Taher	Bengali	<i>Gopal Haldarer Kathasahityer Akkhan-Shailee</i>	10.08.2016	28.05.2025
168	Sri Sabuj Sarkar	English	<i>Narratives of Tea: Exploring the Nation Question in Indian English Writings of Tea</i>	30.09.2011	14.06.2025
169	Ms Nasrin Jahan	Chemistry	<i>Synthesis of Dibenzo-Fused Nitrogen and Oxygen Containing Macrocyclic Compounds</i>	02.08.2018	14.06.2025
170	Smt Madhupa Seth	Microbiology	<i>Bioprospecting of trimethylamine degrading halotolerant bacteria isolated from marine fish</i>	05.09.2018	14.06.2025
171	Mr Kiyamat Sekh	History	<i>A Study of Urban Settlements in Colonial Birbhum: Patterns and Processes (1869-1947)</i>	26.09.2018	14.06.2025
172	Sri Narugopal Kaibarta	History	<i>Transformation of the Socio-Cultural and Economic life of the Primitive Tribal Groups of SouthWest Bengal (1961-2011)</i>	26.09.2018	14.06.2025
173	Sri Sourav Chakraborty	Economics	<i>Exchange Rate Dynamics and Spillover Effect on Select Asset Markets in India</i>	08.10.2021	14.06.2025
174	Sri Subha Shankar Mukherjee	Zoology	<i>Studies on butterfly community structure and their ecological association with food plants in the heterogeneous habitats of Purulia, West Bengal, India</i>	16.09.2021	21.06.2025
175	Smt Jhuma Paul	Philosophy	<i>Integrating Justice with Care: A Study in Feminist Ethics</i>	27.02.2018	26.06.2025



Sl. No.	Name of the Phd research Scholar	Department	Title of the Thesis	Date of registration	Date of Award of PhD
176	Smt Nibedita Mitra	Zoology	<i>Gene Expression Profile in Peripheral Blood Cells Among Transfusion Dependent and Non-Transfusion Dependent E-Beta Thalassemia Patients</i>	22.05.2019	26.06.2025
177	Benojir Yasmin	Geography	<i>Deprivation and Social Exclusion of the Tribal Labourers in Tea Gardens of Jalpaiguri and Alipurduar Districts, West Bengal</i>	08.09.2021	26.06.2025
178	Sri Krishna Pada Sahoo	Geography	<i>Tribal Social Systems and Traditional Ecological Knowledge in Restoration of Forest Habitat and Regeneration of Indigenous Plant Species in Jhargram District, West Bengal</i>	08.09.2021	26.06.2025



Sustainable Development Goal (SDG)	:	Present Status
Energy Management:		
LED replacement	:	80%
Renewable energy installed	:	100 kWh
Activity to improve the energy efficiency	:	To attain improvement in energy efficiency, the university takes different measures to identify the inefficiencies. The insights gained from these assessments are then used to encourage the university community toward adopting more energy-efficient practices in their daily activities, foster a culture of conversion beyond just technical upgrades.
Water Management:		
Water conservation practices	:	Yes
Rainwater harvesting system	:	Available
Wastewater treatment plant	:	Available
Low-flow fixtures	:	Available
Waste Management:		
Waste segregation system	:	Available
Practice of composting	:	Yes
Handling the hazardous wastes properly	:	Yes
E-waste management system	:	Available
Initiatives to reduce single-used plastics	:	Yes
Green Coverage:		
Land area of the campus	:	356 acres
Green area of the campus (2024-2025)	:	104 acres
Number of trees in the campus (2024-2025)	:	3478
Number of saplings planted (2024-2025)	:	570
Health and well-being:		
Pedestrian-friendly areas on the campus	:	165 acres



Sports area for students and staff	:	15 acres
Sports facilities available	:	<ol style="list-style-type: none"> 1. Football Play Field 2. Basketball Court 3. Volleyball Courts 4. Kho-Kho Court 5. Kabaddi Court 6. Handball Ground 7. Gymnasium 8. Badminton Court 9. Table-Tennis Court 10. Club House Building 11. Multigym Fitness Centres 12. Cricket turf pitch 13. Sports Hostel 14. Indoor Hall 15. Residential Rooms
Campus area dedicated for health and wellness	:	<p>University Health Centre</p> <p><u>Facilities available:</u></p> <ol style="list-style-type: none"> 1. Yoga service 2. ECG 3. X-ray unit 4. Pathological Test 5. Lung Function Test 6. Physiotherapy 7. Dental Care <p><u>Services</u></p> <ol style="list-style-type: none"> 1. Outdoor services to (i) All regular students of the university (ii) Full-time Research Scholars of the university (iii) Teachers and employees (including family members) of the university (iv) Hostel workers and their family members (v) Retired employees including his/her spouse 2. Pulse Polio programme 3. Yoga Practice jointly with Department of Life-Long Learning
<i>Sustainable communities and partnership:</i>		
Initiatives undertaken for community engagement (2024-2025)	:	Total initiatives taken - 12 Total events organized - 52
Number of students involved in tree plantation	:	250
Number of students involved in other activities	:	1475
Number of students involved in activities outside campus	:	722
<i>Facilities of physically challenged students:</i>		



Buildings with lifts/ ramps	:	More than 80% of the buildings
Provision for walking aids	:	Yes
Specially designed toilets for physically challenged students	:	More than 80% of the buildings

Consultancy Project Details:

Total number of consultancy projects	:	09
Total number of client organisations	:	124
Total amount received	:	Rs.61,85,204.00

Executive Development Program:

Total number of executive development programs	:	03
Total number of participants	:	56
Total earnings	:	Rs.3,72,000.00

Research Projects during 2024-2025:

Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator and Department	Name of the Funding agency	Year of Award	Project Value (INR in lakhs)	Duration of the project
Unveiling the role of SNAREs and autophagy in macrophage phagosome maturation: implications in the pathogenesis of leishmaniasis	Subhankar Dolai Biotechnology	SERB	2023	26.17	3 Years
Decoding the role of the transcription factor, Sterol Regulatory Element Binding Protein during hepatic stellate cell activation	Suvro Chatterjee Biotechnology	ICMR	2023	34.00	3 Years
Study of functional traits of selected mangroves of Indian Sundarbans in the context of agriculture in saline soil	Saikat Naskar, Botany	WB-DSTBT	2024	19.90	3 years



Name of the Scheme/Project/Endowments/ Chairs	Name of the Principal Investigator and Department	Name of the Funding agency	Year of Award	Project Value (INR in lakhs)	Duration of the project
Fingerprinting bioactive polyphenolic compounds and peptides from some advanced accessions of <i>Amaranthushypochondriacus</i> L. and exploring their anti-degenerative medicinal properties for utilization in crop diversification program in West Bengal	Soumen Bhattacharjee, Botany	WB-DSTBT	2024	26.90	3 Years
Modeling redox landscape and identification of candidate hub genes regulating drought stress induced physiology of flag leaves and kernel aroma quality (2-acetyl-1- pyrroline) in indigenous aromatic rice cultivars of Rarh West Bengal	Soumen Bhattacharjee, Botany	DST-SERB	2021	48.96	3 Years
Modeling redox landscape and identification of candidate hub genes regulating drought stress induced physiology of flag leaves and kernel aroma quality (2-acetyl-1- pyrroline) in indigenous aromatic rice cultivars of Rarh West Bengal	Soumen Bhattacharjee, Botany	DST-SERB	2021	48.96	3 years
Study of the genotoxic and cytotoxic activity of copper (II)-based small metal complexes for understanding their putative therapeutic potentials by using <i>Arabidopsis thaliana</i> as plant-based screening system	Sujit Roy, Botany	CSIR	2023	34.00	3 Years
Understanding the role of <i>Arabidopsis</i> RAD21.3, a yeast orthologue of sister chromatid cohesion 1 protein in chromatid cohesion and homologous recombination mediated DNA damage repair for maintaining genome stability	Sujit Roy, Botany	SERB-DST	2021	42.97	3 years
DST Women Scientist	Sujit Roy (Mentor), Botany	DST	2023	18.65	3 Years
Synthesis and applicative aspect of donor acceptor stenhouse adduct and encapsulations of the unstable adduct inside confined molecular space	Pabitra Chattopadhyay, Chemistry	CSIR	2023	9.00	3 years



Name of the Scheme/Project/Endowments/ Chairs	Name of the Principal Investigator and Department	Name of the Funding agency	Year of Award	Project Value (INR in lakhs)	Duration of the project
Exploiting the amazing diversity of natural source –derived polysaccharides as antiviral agents: Chemical engineering, purification, and chemical characterization	Sayani Ray, Chemistry	UGC	2021	8.00	3 Years
Modulating the photophysical characteristics in fulleropyrrolidine-porphyrin interactions for mimicking artificial photoinduced energy and electron transfer process	Sumanta Bhattacharya, Chemistry	CSIR	2021	7.33	3 Years
Does Dindoyal Antodaya Yojana-NRLM (DAYLM) make sustainable livelihood promotion of tribes? An Investigation in Jangalmahal, West Bengal	Manidipa Dasgupta, Chemistry	ICSSR	2023	5.00	5 months
Bioremediation of polycyclic aromatic hydrocarbons (PAHs)-contamination at Digha Coastal Water (West Bengal)	Apurba Ratan Ghosh, Environmental Science	GoWB DST & Biotechnology	2023	9.16	4 Years
Evaluation of available trace elements and methane emission from OCP at Raniganj Asansol Coal field areas, Paschim Bardhaman	Apurba Ratan Ghosh, Environmental Science	UGC-DAE-CSR, Kolkata Centre	2022	10.81	3 Years
Vulnerability of tribal women affected from dual effects of biomass and tobacco smoke: A biomarker based cross-sectional study	Naba Kumar Mondal, Environmental Science	DST-SERB	2023	30.26	3 Years
Development of Nanoweapons from waste plastics and its efficiency against mosquito vectors	Naba Kumar Mondal, Environmental Science	SERB-DST	2022	35.44	3 years
Qualitative estimation of subsurface water flow and identification of contaminant mobilization in mining areas using nanomaterials as tracers	Srimanta Gupta, Environmental Science	DST (GoI)	2021	7.16	3 Years
Resonance states in electron/positron-hydrogenic systems embedded in dense plasmas	Arijit Ghosal, Mathematics	Science and Engineering Research Board	2023	9.52	3 years
Understanding the role of Type VI Secretion System (T6SS) of <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> in its virulence and environmental fitness.	Anindya Biswas, Microbiology	DST-INSPIRE	2020	35.00	5 Years



Name of the Scheme/Project/Endowments/ Chairs	Name of the Principal Investigator and Department	Name of the Funding agency	Year of Award	Project Value (INR in lakhs)	Duration of the project
NavIC based ionospheric monitoring from dynamic Platforms: A feasibility study using compact, low-cost NavIC/ GNSS Module	Anindya Bose, Physics	Space Applications Centre, ISRO	2025	28.80	3 years
Experiment to find suitability of ionospheric seismotectonic precursors for North Eastern Region through a network of low cost GNSS receivers	Anindya Bose, Physics	ISRO-RESPOND	2025	30.10	3 years
A study on the applicability of IRNSS/ NavIC time for Test Range applications through IRIG-B signal generation	Anindya Bose, Physics	DRDO-ITR	2023	9.98	2 years
Development of Low-Cost GNSS RTK Base for Precise Geolocation and Handheld Precise Geolocation enabled Multi-Sensor Rover System HGS	Anindya Bose, Physics	NGP-DST	2023	22.10	2 years
A study on the applicability of IRNSS/ NavIC time for Test Range applications through IRIG-B signal generation	Anindya Bose, Physics	Integrated Test Range (ITR), Defense Research and Development Organization (DRDO), Chandipur	2023	9.98	1.5 Years
A study on ... IRIG-B signal generation	Anindya Bose, Physics	DRDO	2023	3.00	3 Years
Development of Low-cost GNSS RTK Base for Precise Geolocation and Handheld Precise Geolocation Enabled Multi Sensor Rover System HGS	Anindya Bose, Physics	National Geospatial Programme, DST, GoI	2022	20.31	2 Years
Smart and precision agriculture for potato cultivation in West Bengal: An Information and Communication Technology (ICT) based effort	Anindya Bose, Physics	SERB (CRG)	2021	26.59	3 Years
Generation of tunable mid-IR ... Oscillators	Subhasis Das, Physics	DST (GOI)	2023	12.40	2 Years
Nonlinear dynamics in the quantum regime: Synchrony, broken symmetry and entanglement	Tanmoy Banerjee, Physics	DST-SERB (GoI)	2022	6.60	3 Years
Book Grant Project	Arundhati Bhattacharyya, Political Science	Indian Council of World Affairs	2025	3.00	18 Months



Name of the Scheme/Project/Endowments/ Chairs	Name of the Principal Investigator and Department	Name of the Funding agency	Year of Award	Project Value (INR in lakhs)	Duration of the project
Deciphering the code of chemical interactions and transcriptional induction in ridge gourd [<i>Luffa acutangula</i>] plants attracting its herbivore insect pest, <i>Aulacophora lewisii</i> (Coleoptera: chrysomelidae)	Anandamay Barik, Zoology	ANRF-CRG	2024	45.60	3 years
An integrated pest management approach to control the lepidopteran pest, <i>Helicoverpa armigera</i> (Hübner) feeding on bottle gourd (Lau) plant	Anandamay Barik, Zoology	WBDSTBT	2024	22.50	3 years
Target discovery and Ex vivo validation of different potential drugs for E -Beta Thalassemia through repurposing approach	Anupam Basu, Zoology	ICMR	2023	45.00	3 years
Sanc. No. TAR/ 2022/ 000560 dt 29.11.2022	Arup Mistri, Zoology	SERB (TAR)	2022	18.30	3 Years
Endocrine, neurotoxicity and oxidative stress effects of nano-pesticides on freshwater aquatic vertebrates (<i>Clarias batrachus</i>) and invertebrates (<i>Branchiura sowerbyi</i> and <i>Bellamyia bengalensis</i>)	Subhajit Saha, Zoology	DST-SERB	2024	22.15	3 Years
Assessing the role of ALOX5, CYSLTR1, PTGS2 and TBXA2R genes polymorphism in aeroallergen induced asthmatics of West Bengal, India	Sanjoy Podder, Zoology	DST-SERB	2022	44.66	3 Years
Reinvigorating CD8 T-cell Functionality in Colon Cancer through Metabolic Modulation of Tumor-Endothelial Cell and CD8T-cell Interactions: A Novel Approach to Overcome Immune Evasion	Sumit Kumar Hira, Zoology	ICMR	2025	98.02	3 years
Targeting molecular cross talk between dendritic cell and NK cell in tumor micro environment to promote cancer immunity. role of TLR agonist	Sumit Kumar Hira, Zoology	SERB (EEQ)	2022	45.32	3 Years
Exploring Thymidine Phosphorylase as a Novel Target for Colon Cancer Immunotherapy	Sumit Kumar Hira, Zoology	DST-SERB	2022	52.40	3 years


Awards/ Recognition received by faculty members during 2024-2025:

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Year of Award
Research	Swati Mukhopadhyay	AD Scientific Index	2024-25
Research	Asoke Kumar Bhunia	AD Scientific Index	2024-25
Research	Ali Akbar Shaikh	AD Scientific Index	2024-25
Research	Absos Ali Shaikh	AD Scientific Index	2024-25
Research	GC Layek	AD Scientific Index	2024-25
Research	Shyamal Kumar Hui	AD Scientific Index	2024-25
Research	Arijit Ghoshal	AD Scientific Index	2024-25
Research	Brojeswar Pal	AD Scientific Index	2024-25
Research	Ritabrata Biswas	AD Scientific Index	2024-25
Research	Mantu Saha	AD Scientific Index	2024-25
Research	Goutam Chandra	AD Scientific Index	2024-25
Research	Naba Kumar Mondal	AD Scientific Index	2024-25
Research	Debasis Das	AD Scientific Index	2024-25
Research	Bidyut Saha	AD Scientific Index	2024-25
Research	Srimanta Gupta	AD Scientific Index	2024-25
Research	Koushik Ghosh	AD Scientific Index	2024-25
Research	Tushar Maiti	AD Scientific Index	2024-25
Research	Sourangshu Mukhopadhyay	AD Scientific Index	2024-25
Research	Alak Kumar Ghosh	AD Scientific Index	2024-25
Research	Pabitra Kumar Chakrabarti	AD Scientific Index	2024-25
Research	Tanmoy Banerjee	AD Scientific Index	2024-25
Research	Rajib Bandopadhyay	AD Scientific Index	2024-25
Research	Soumen Bhattacharjee	AD Scientific Index	2024-25



Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Year of Award
Top 2% Scientist over the world	Naba Kumar Mondal	Stanford University in association with Elsevier	2024-25
Top 2% Scientist over the world	Swati Mukhopadhyay	Stanford University in association with Elsevier	2024-25
Top 2% Scientist over the world	GC Layek	Stanford University in association with Elsevier	2024-25
Top 2% Scientist over the world	Asoke Kumar Bhunia	Stanford University in association with Elsevier	2024-25
Top 2% Scientist over the world	Ali Akbar Shaikh	Stanford University in association with Elsevier	2024-25
Top 2% Scientist over the world	Prof. Sourangshu Mukhopadhyay	Stanford University in association with Elsevier	2024-25
Top 2% Scientist over the world	Prof. Soumen Bhattacharjee	Stanford University in association with Elsevier	2024-25
Top 2% Scientist over the world	Dr. Sujit Roy	Stanford University in association with Elsevier	2024-25
Selected for Associateship of the U.G.C.-Inter-University center for humanities and social sciences(IUC)	Dr Anil Kumar Biswas	INDIAN INSTITUTE OF ADVANCED STUDY	2023-24
Enlisted under the 2% top Scientists of World in survey conducted by Stanford University, USA	Prof. Soumen Bhattacharjee	Stanford University, USA	2024-25
Implementation of Quantum Optical Tristate Oscillators based on Pauli-X, Y and Z Gates by using joint encoding of phase and intensity	Mir Nadim Sarfaraj, Mistu Sebait & Sourangshu Mukhopadhyay	Optoelectronics Letters Fax: 86-22-60214689 Website: www.oelett.com Postal Address: 391 Binshui-West Road, Xiqing District, Tianjin 300384, China.	2024-25
Implementation of Quantum Optical Tristate CNOT Gate using Frequency Encoding Principle with a Semiconductor Optical Amplifier	Snigdha Hazra & Sourangshu Mukhopadhyay	Optoelectronics Letters Fax: 86-22-60214689 Website: www.oelett.com Postal Address: 391 Binshui-West Road, Xiqing District, Tianjin 300384, China.	2024-25

Patent Details:



Inventor/s Name	Title of the Patent	Applicant/s Name	Patent Filed Date	Patent Published Date / Granted Date	Patent Publication Number / Patent Granted Number
DR.SANJIB RAY	BISOLVENT FRACTIONATION AND PURIFICATION PROCESS OF WOGONIN	1. THE UNIVERSITY OF BURDWAN 2 . SANJIBANI BOTANICALS (OPC) PRIVATE LIMITED	1/1/2022	12/7/2024	202431052 279
Goutam CHANDRA, Anjali RAWANI, Anupam GHOSH	A METHOD OF PREPARATION OF SILVER NANOPARTICLES WITH MOSQUITOCIDAL ACTIVITY	Goutam CHANDRA, Anjali RAWANI, Anupam GHOSH	29/12/2017	9/25/2023	453153
Professor Jai Prakash Keshri, Dr. Piyali Mukherjee	METHODOLOGY FOR PRODUCTION OF HAND-MADE PAPER USING AN INNOVATIVE HYDRAULIC PRESS MACHINE	Professor Jai Prakash Keshri, Dr. Piyali Mukherjee	4/1/2019	1/11/2023	464603
DR.SANJIB RAY, MANABENDU BARMAN, SUJIT ROY	LIQUID-LIQUID FRACTIONATION MEDIATED EXTRACTION AND PURIFICATION PROCESS OF 3-EPICARYOPTIN	DR.SANJIB RAY, MANABENDU BARMAN, SUJIT ROY	2/4/2019	9/16/2021	377052
DR.SANJIB RAY, SUJIT ROY, MANABENDU BARMAN, DR.LALIT MOHAN KUNDU	PURIFICATION OF DIHYDROCLERODIN BY FREEZE CRYSTALLIZATION	DR.SANJIB RAY, SUJIT ROY, MANABENDU BARMAN, DR.LALIT MOHAN KUNDU	12.12.2019	12/8/2021	383950
DR.SANJIB RAY, SUJIT ROY, DR.LALIT MOHAN KUNDU, DR.GOBINDA CHANDRA ROY, MANABENDU BARMAN	BIPHASIC FRACTIONATION MEDIATED EXTRACTION AND PURIFICATION PROCESS OF CLERODIN	DR.SANJIB RAY, SUJIT ROY, DR.LALIT MOHAN KUNDU, DR.GOBINDA CHANDRA ROY, MANABENDU BARMAN	07.02.2019	1/30/2023	419709



Inventor/s Name	Title of the Patent	Applicant/s Name	Patent Filed Date	Patent Published Date / Granted Date	Patent Publication Number / Patent Granted Number
Anupam BASU, Prosanto CHOWDHURY, Tamoghna CHOWDHURY, Dipankar SAHA, Upasana BHATTACHARYYA, Debashis PAL, Nibedita MITRA	A FIELD-BASED KIT AND METHOD FOR SCREENING OF HEMOGLOBINOPATHY CONDITION FROM NORMAL	Anupam BASU, Prosanto CHOWDHURY, Tamoghna CHOWDHURY, Dipankar SAHA, Upasana BHATTACHARYYA, Debashis PAL, Nibedita MITRA	18.08.2020	25.02.2022	202031035590
Prof. Jai Prakash Keshri, Dr. Piyali Mukherjee	A NOVEL RECYCLABLE AND DURABLE HANDMADE PAPER FROM HYDRODICTYON RETICULATUM AND ITS METHOD OF PRODUCTION THEREOF	Prof. Jai Prakash Keshri, Dr. Piyali Mukherjee	30.11.2018	11.02.2022	201831045429
Prof. Sunil Karforma, Indranil Sarkar, Dr. Rajesh Bose, Dr. Sandip Roy, Partha Pratim Dasgupta, Subhadip Nandi, Raktim Kumar Dey	Ein System zur Lokalisierung in Innenraum mit Hilfe eines drahtlosen lokalen Netzwerks - An indoor localization system using a wireless local area network	Prof. Sunil Karforma, Indranil Sarkar, Dr. Rajesh Bose, Dr. Sandip Roy, Partha Pratim Dasgupta, Subhadip Nandi, Raktim Kumar Dey	10/7/2022	15.12.2022	202022105663
Prof. Sunil Karforma, Indranil Sarkar, Dr. Rajesh Bose, Dr. Sandip Roy, Partha Pratim Dasgupta, Priyanka Bhattacharya, Raktim Kumar Dey	Ein System zur Erkennung von Krankheiten in Blättern - A system for detecting diseases in leaves	Prof. Sunil Karforma, Indranil Sarkar, Dr. Rajesh Bose, Dr. Sandip Roy, Partha Pratim Dasgupta, Priyanka Bhattacharya, Raktim Kumar Dey	10/8/2022	22.12.2022	202022105678
SARKAR INDRANIL; KARFORMA SUNIL; BOSE RAJESH; ROY SANDIP	AN ON-DEMAND WATER RESERVOIR TRACKING SYSTEM AND A METHOD THEREOF	SARKAR INDRANIL; KARFORMA SUNIL; BOSE RAJESH; ROY SANDIP	18.02.2022	25.05.2022	ZA202202101B



Inventor/s Name	Title of the Patent	Applicant/s Name	Patent Filed Date	Patent Published Date / Granted Date	Patent Publication Number / Patent Granted Number
KARFORMA DR SUNIL; NANDI SUBHADIP; ROY DR SANDIP; BOSE DR RAJESH; KUMARI ANCHAL; SAHA DEBASMITA; ROY RINTU; SINHA RISHI; GUPTA SANJANA; NAG SOHAM	AN IOT BASED SMART ENTRANCE SYSTEMS AND A METHOD THEREOF	KARFORMA DR SUNIL; NANDI SUBHADIP; ROY DR SANDIP; BOSE DR RAJESH; KUMARI ANCHAL; SAHA DEBASMITA; ROY RINTU; SINHA RISHI; GUPTA SANJANA; NAG SOHAM	22.02.2022	28.09.2022	ZA202202225A
PROFESSOR PARTHA MITRA, DR.AYAN MUKHERJEE AND DR.MAHIMA RANJAN DAS	A DEVICE FOR SENSING HYDROGEN SULFIDE GAS AT LOW TEMPERATURE USING COBALT DOPED CADMIUM SULFIDE THIN FILM AS SENSING MATERIAL	PROFESSOR PARTHA MITRA, DR.AYAN MUKHERJEE AND DR.MAHIMA RANJAN DAS	11.02.2021	8/12/2022	202131005808


Publication in journal during 2024-2025:

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Evolution of the evaluation system of education in India: A comparative analysis	Rajib Santraa, and Rajiba Lochan Mohapatraa	Education	Journal of Education, Society & Sustainable Practice	2025
Guru-Shishya Parampara: Relevance of Yama and Nachiketa Story in the Present Education System	Rajib Santraa, and Rajiba Lochan Mohapatraa	Education	American international journal of Humanities, Arts and Social Science	2025
Teaching in the Lense of Culture; A Deja-vu of Tribal Teachers	Pranay Adhikari and Rajiba Lochan Mohapatra	Education	Educatum: Journal of Education and Behavioural Sciences	2024
Metaphorical Awareness Among PG Level Students In Relation to Their Academic Achievement	Shuvankar Madhu	Education	IJSRED	2025
Educational Facilities and Utilization in Primary Schools of Border Area in Domkal Subdivision at Murshidabad District, India	Shuvankar Madhu	Education	Asian Journal of Education and Social Studies	2025
NCTE and Quality Teacher Education: Recent Trends in Higher Education of India	Ghosh, S	Education	Shodh Sanchar Bulletain	2024
Enhancing Teaching Competencies for Effective Implementation of Sustainable Inclusive Education (SIE)	Hossain, N. S K, Ghosh, S and Roy, R.	Education	The Social Science Review- A Multidisciplinary International e-Journal	2024
Entrepreneurial Aspirations Vs. Reality: Understanding Women's Entrepreneurial Intentions, Motivation and Participation Trends in India	Roy, P. and Ghosh, S.	Education	The Social Science Review- A Multidisciplinary International e-Journal	2025
Sustainable Entrepreneurship in India: Do Early-Stage and Established Entrepreneurs Prioritize the SDGs?	Roy, P. and Ghosh, S.	Education	Quest JournalsJournal of Education, Arts, Law and Multidisciplinary	2025
Assessing the Relationship between self-concept and Educational aspirations among Undergraduate Students	Puja Sarkar & Sayani Mandal	Education	International Journal of All Research Education and Scientific Methods	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Academic Stress Among Post Graduate Students	Ankhi Das & Puja Sarkar	Education	Third Concepts	2024
Innovative Pedagogies for Mathematics: A NEP2020 Inspired approach using Puzzles and Games	Mampi Howladar & Puja Sarkar	Education	Quest Journals	2025
Visual Algebra Learning for Students with Dyscalculia through GeoGebra	Puja Sarkar & Mampi Howladar	Education	Asian Journal of Education and Social Studies	2025
Role of Soft skills in shaping academic performance among learners: An Exploratory Study	Swarup chandi & Puja Sarkar	Education	Indian Institute of Social Reform and Research	2025
Culturally Responsive Mathematics Pedagogy: Insights From NCF-2023 And Ethnomathematics	Mampi Howladar & Puja Sarkar	Education	Journal Ilmiah Penelitian Dan Pembelajaran (JIPI)	2025
Ethnomathematical Insights: A Thematic Analysis of Geometrical Concepts in Daily Lives of Fishermen Community	Mampi Howladar & Puja Sarkar	Education	Asian Journal of Interdisciplinary Research	2025
Cybersecurity Education and Awareness: A Framework-based Approach for Digital Literacy	Emon Ojha and K N Chattopadhyay	Education	EPRA International Journal of Multidisciplinary Research (IJMR)	2025
Bridging Cultures: Tagore's Educational Thoughts on Global Citizenship Education	Sk Mujibur Rahaman and K N Chattopadhyay	Education	Asian Journal of Education and Social Studies	2025
Reimagining higher education for 21st century: NEP 2020's vision for multidisciplinary education	Antara Bag and K N Chattopadhyay	Education	Journal of Educare	2025
Exploring the roots of the concept of Global Citizenship Education in Indian Ethos	Sk Mujibur Rahaman and K N Chattopadhyay	Education	Vidya – A Journal of Gujarat University	2025
The Geometry of Thought: Advance Organizer as the DNA of Comprehension and Visual Spine of Learning	M. Hossain and C. Adhikary	Education	Journal of Emerging Technologies and Innovative Research (JETIR)	2025
Towards Integrating Pedagogy of Art and Teacher Education in the Vision of NEP 2020'	M. K. Jana and C. Adhikary	Education	The Social Science Review: A Multi-disciplinary Journal,	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Infographics-embedded Strategies in the New Learning Era	M. Malik and C. Adhikary	Education	Journal of Emerging Technologies and Innovative Research (JETIR)	2025
Contribution of the Bhagavad Gita in Theory and Practice of Education: A Framework of Systematic Literature Review	M. K. Jana and C. Adhikary	Education	Journal of Research in Humanities and Social Science, Quest Journal	2025
Flanders Interaction Analysis as a Tool for Interpretive Reconciliation of the Bhagavad Gita	P. Das and C. Adhikary	Education	International journal of Creative Research Thoughts (IJCRT)	2025
Single-Tier Chemical Concept Inventory (STCCI) to Identify the Misconceptions of Twelfth-Grade Students	A. Ghosh and C. Adhikary	Education	Journal of the Oriental Institute, M.S. University Baroda	2025
Self-Assessment Reflection Inventory (SARI): A Tool for Educators Implementing the Pedagogy of Bhagavad Gita in Classroom Transaction	A. Ghosh, P. Das and C. Adhikary	Education	Shodha Samiksha	2025
Revisiting the Pedagogy of Shrimad Bhagavad Gita for Developing 21st Century Skills Among the Learners'	P. Das, M. Jana and C. Adhikary	Education	Journal of the Oriental Institute	2024
Addressing the Issues of Gender Equity in Curriculum	M. Malik and C. Adhikary	Education	Amitrakshar International Journal of Interdisciplinary and Transdisciplinary Research (AIJITR)	2024
Local Wisdom Approach of Sarada Devi and its Relevance in Global Education	A. Mondal and C. Adhikary	Education	Amitrakshar International Journal of Interdisciplinary and Transdisciplinary Research (AIJITR)	2024
Reflection of Components of Karma Yoga in Pedagogical Practices as Expounded in the Bhagavad Gita	M. K. Jana and C. Adhikary	Education	The Social Science Review: A Multi-disciplinary Journal	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Nomophobia Explained: A Comparative Analysis of Attachment Theory, Social Cognitive Theory and Uses and Gratification Theory	C.Mehera	Education	Scope	2025
Altruistic Behaviour in Islamic and Hindu Philosophy	C.Mehera	Education	International Education and Research Journal (IERJ)	2024
Environmental challenges of deltaic towns in West Bengal, India: A perspective on sustainable development at the local level	Babusona Gharami and Gopa Samanta	Geography	International Journal of Population Studies	2025
Slum Development Initiatives in India: An Insight into Policy Shifts	Priya Chowdhury and Gopa Samanta	Geography	Urban India	2024
A conversation on Deltas	Gopa Samanta and Sylvie Fanchette	Geography	Population Geography	2025
Research and writing the 'urban' in Indian Geography: A critique of pathways	Gopa Samanta	Geography	Population Geography	2024
Mapping Vulnerabilities: The Narratives of Structural Violence	Gopa Samanta	Geography	Refugee Watch	2025
Assessment of soil erosion in the Irga watershed on the eastern edge of the Chota Nagpur Plateau, India	Ratan Pal, Buddhadev Hembram, Narayan Chandra Jana	Geography	Regional Sustainability (Elsevier)	2024
Tuberculosis (TB) Prevalence in Darjeeling District, West Bengal, India: Exploring the Socio-Economic Status of TB Patients	Tapan Pramanick, Narayan Chandra Jana	Geography	African Journal of Biomedical Research (Afr. J. Biomed. Res.)	2024
Road Accessibility and Level of Transport Development: Assessing Potential Accessibility of Minakhan CD Block in North 24 Parganas, West Bengal, India	Pranabpati Karmakar, Narayan Chandra Jana	Geography	International Journal of Research and Analytical Reviews	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Assessment of The Availability of Physical Infrastructure In Sub Centres As Per IPHS Guideline of Dakshin Dinajpur District of West Bengal	Arup K. Saha, N.C. Jana	Geography	IOSR Journal of Dental and Medical Sciences (IOSR-JDMS)	2024
Predicting the spatial patterns of soil erosion hazard using RUSLE and frequency ratio in the Silabati River Basin, eastern India	.Ratan Pal, Jana, N. C	Geography	DYSONA - Applied Science	2025
Child marriage among women in West Bengal: Pervasiveness, spatial variation and socioeconomic connections	Susanta Sen, Amit Banerjee, Asif Ali, Namita Chakma	Geography	Vulnerable Children and Youth Studies; Taylor & Francis	2025
Decomposing socio-economic inequalities in women's undernutrition: Evidence from West Bengal, India	Asif Ali, Susanta Sen, Amit Banerjee, Namita Chakma	Geography	Journal of Hunger and Environmental Nutrition; Taylor & Francis	2025
Regional differences in child marriage among women in India: Substantiation from large-scale survey	Susanta Sen, Amit Banerjee A, Namita Chakma	Geography	Vulnerable Children and Youth Studies; Taylor & Francis	2025
Rural-urban differentials in undernutrition among women in India: Evidence from a decomposition approach	Asif Ali, Susanta Sen, Amit Banerjee, Namita Chakma	Geography	Nutrition and Health; Sage	2025
Partnering for Healthy Pregnancy: Lessons from India on Male Involvement in Antenatal Care	Amit Banerjee, Susanta Sen, Asif Ali, Namita Chakma	Geography	Global Social Welfare; Springer Nature	2025
Spatial pattern of girl child marriage and its association with poverty among empowered action group (EAG) states in India: an application of exploratory spatial data analysis	Susanta Sen, Amit Banerjee, Asif Ali, Namita Chakma	Geography	Geojournal; Springer Nature	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Estimation of Surface–Subsurface Irrigation Water Use and Scheduling for Sustainable Boro Paddy Cultivation under Canal Command Area of Damodar Valley Corporation (DVC) in India	Geetika Ganguly, Namita Chakma	Geography	Water Conservation Science and Engineering; Springer	2025
Human health risk exposure from arsenic pollution in the arsenic affected areas of Malda district in the lower Gangetic plain	Jayanta Das, Arijit Majumder, Sudarshana Sen, Pradip Chouhan, Namita Chakma, Md. Mofizul Hoque	Geography	Hill Geographer	2025
Responses of rural livelihood with limited access to water resources: A case from water-scarce region of West Bengal, India	Soumitra Saha, Namita Chakma, Koyel Sam	Geography	Environment Development and Sustainability; Springer Nature	2025
Modern contraceptive use among currently married non-pregnant women (aged 15–49 years) in West Bengal, India: A reflection from NFHS-5	Susanta Sen, Amit Banerjee, Asif Ali, Namita Chakma	Geography	Contraception and Reproductive Medicine; BMC, Springer Nature	2024
Editorial Note	Rajarshi Chakrabarty	History	Bharat Vidya	2024
Bharatbarsher Prantik Jounata o Lingo Porichoi er Manusher Swikriti r Jonno Sangram: Ekti Aithahasik Porjoalochana	Rajarshi Chakrabarty	History	Antarmukh	2025
Unusual magnetization and field switching effects in multifunctional Ba, Ni-doped YCrO ₃ polycrystalline samples	Souvick Das, Ayan Mitra, Sukhendu Sadhukhan, Manas Mondal, Amit Kumar, Pabitra Kumar Chakrabarti	Physics	Physical Review Material	2024
Exploring the room temperature multiferroic behavior and negative exchange bias effect in Ho _{0.05} Y _{0.95} Fe _{0.90} Ti _{0.10} O ₃ nanoceramic	Souvick Das, Ayan Mitra, Sukhendu Sadhukhan, Amit Kumar, Amitabh Das, Ishita Jana, Kalyan Mandal, Pabitra Kumar Chakrabarti	Physics	Journal of Alloys and Compounds	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Enhanced magnetic behavior of LaFeO ₃ by co-doping with Nd ³⁺ and V ⁵⁺ substitution (La _{0.8} Nd _{0.2} Fe _{0.95} V _{0.05} O ₃)	Sujay Das, Souvick Das, Anna Bajorek, Pabitra K Chakrabarti	Physics	Journal of Magnetism and Magnetic Materials	2024
Co doping effects on the structural and magnetic properties of Ho ₂ O ₃ nanocrystalline	Nupur Bhakta, Sujay Das, Chandi Charan Dey, Souvick Das, Anna Bajorek, Pabitra K Chakrabarti	Physics	Applied Physics A	2024
Study on Structural and Dielectric Behavior of Li _{0.3} Zn _{0.3} Co _{0.1} Fe _{2.3} O ₄	M Dalal, S Sadhukhan, PK Chakrabarti	Physics	NanoWorld J	2024
Study of magnetic induction heating of Li _{0.25} Zn _{0.3} Co _{0.15} Fe _{2.3} O ₄ nanoparticles	Madhumita Dalal, Jean-Marc Greneche, Raghumani S Ningthoujam, Pabitra K Chakrabarti	Physics	Materials Chemistry and Physics	2024
Magnetoelectric coupling response of novel mullite coated Ni-Zn-Cu-ferrite nanocomposite	Soumyaditya Sutradhar, Abhik Sinha Mahapatra, Tanmoy Chakraborty, Subham Adhikari, Koustav Das, Solanky Das, Aliva Saha, Suman Saha, Susmita Singh, Madhumita Mukhopadhyay, Sukhen Das, Pabitra Kumar Chakrabarti	Physics	Materials Chemistry and Physics	2024
Important of maghemite nanoparticles coated with 2-benzoylpyridine as magnetic fluid hyperthermia therapy	Chandi Charan Dey, Raghumani Singh Ningthoujam, Pabitra K Chakrabarti	Physics	AIP Conference Proceedings	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Preparation and Investigations of the Magnetolectric Properties of $(\text{Ni}_{0.5}\text{Zn}_{0.5}\text{Fe}_2\text{O}_4)_x [(\text{Na}_{0.5}\text{Bi}_{0.5})_{0.7}\text{Ba}_{0.3}\text{TiO}_3]_{1-x}$ ($x = 0.3, 0.5$) Nanocomposite Ceramics for Magnetic Field Sensor Applications	Souvick Das, Anupam Banerjee, Nupur Bhakta, PK Chakrabarti	Physics	ACS Applied Nano Materials	2024
Exhibition of magnetic memory effects and exchange bias in nanocrystalline CoSb_2O_4	Anupam Banerjee, Manas Kumar Mondal, D De, S Goswami, Souvick Das, PK Chakrabarti	Physics	Journal of Materials Chemistry C	2024
Functionalized Magnetic Nanoparticles for Magnetic Hyperthermia Therapy	Chandi Charan Dey, Madhumita Dalal, Pabitra Kumar Chakrabarti	Physics	Functionalized Magnetic Nanoparticles for Theranostic Applications	2024
Structural, magnetic, and dielectric behaviour of Ce^{3+} doped Ni-Zn errite/ TiO_2 magneto-dielectric nanocomposites	Sujay Das, Madhumita Dalal, Ayan Mitra, Ayan Mallick, Nupur Bhakta, Anna Bajorek, Pabitra Kumar Chakrabarti	Physics	Applied Physics A	2025
Paramagnetic spin disorder on ferrimagnetic surface and dual dip microwave absorption for hydrothermally synthesized coral shaped NiCo_2O_4 -rGO composite	Manas Kumar Mondal, Chandi Charan Dey, Nupur Bhakta, Sukhendu Sadhukhan, Souvick Das, Anupam Banerjee, PK Chakrabarti	Physics	Journal of Magnetism and Magnetic Materials	2025
Enhanced multiferroicity of LaFeO_3 nanoparticle system in $\text{La}_{0.9}\text{Er}_{0.1}\text{FeO}_3$	Sukhendu Sadhukhan, Arpita Mondal, Pabitra K Chakrabarti, Ayan Mitra	Physics	Ceramics International	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Magnetic properties and dual band microwave absorption in conjunction with red shifted resonance of γ -Fe ₂ O ₃ linked with 2-BOP dispersed on graphene oxide	Chandi Charan Dey, Kriya Pal, Nupur Bhakta, Souvick Das, Anna Bajorek, Pabitra K Chakrabarti	Physics	Materials Research Bulletin	2025
Microwave absorption and magnetic properties of Ni-NiO-GO nanocomposites	Manas Kumar Mondal, Nupur Bhakta, Madhumita Dalal, Sukhendu Sadhukhan, Anupam Banerjee, Chandi Charan Dey, Souvick Das, Pabitra Kumar Chakrabarti	Physics	Journal of Magnetism and Magnetic Materials	2025
Temporal evolution of cosmological density perturbations of the Bose-Einstein condensate dark matter	Subhra Mondal and Amitava Choudhuri	physics	The European Physical Journal C	2024
Symmetry-based study and dynamics of casual bulk viscous matter-dominated universe	T Nandi and Amitava Choudhuri	Physics	The European Physical Journal C	2024
Spatiotemporal modulated solitons in a quasi-one-dimensional spin-1 Bose-Einstein condensates	FY Liu, SY Xu, H Triki, Amitava Choudhuri, Q Zhou	Physics	Chaos, Solitons & Fractals	2024
Dynamics of cosmological phase crossover during Bose-Einstein condensation of dark matter in Tsallis cosmology	Subhra Mondal, Amitava Choudhuri	Physics	The European Physical Journal C	2024
Study of early inflationary phase with minimal and non-minimal coupling using string-motivated potential	C Sarkar, Amitava Choudhuri, B Ghosh	Physics	The European Physical Journal C	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Micro structural and opto electronic correlation studies of sol-gel derived Zn _{1-x} Sm _x S nanoparticles through the analysis of vacancy type defects	S. Mandal, S. I. Ali, P. Ghosh, D. Dutta, Atis Chandra Mandal	Physics	Journal of Materials Science: Materials in Electronics	2024
Modulation of micro-structural, opto-electronic and photo-induced fluorescence properties in sol-gel derived Pb _{1-x} Zn _x O nanoparticles through the analytical study of vacancy-type defects	S. I. Ali, D. Dutta, S. Pramanik, S. Mandal, Atis Chandra Mandal	Physics	Ceramics International	2024
Photo-induced luminescence mechanism and the correlated defects characteristics in the sol-gel derived samarium ion substituted tin oxide (Sn _{1-x} Sm _x O ₂) nanoparticles	S. I. Ali, D. Dutta, S. Pramanik, S. Mandal, Prosenjit Ghosh, Atis Chandra Mandal	Physics	Ceramics International	2024
Role of vacancy type defects on microstructural and optoelectronic property of CdS wurtzite nanoparticles	S. Mandal, D. Dutta, S. I. Ali, P. Ghosh, Atis Chandra Mandal	Physics	Journal of Molecular Structure	2024
Annealing temperature induced micro-structural, opto-electronic, electrical and fluorescence properties of the sol-gel synthesized CdO nanoparticles through the analytical study of vacancy-type defects	P. Ghosh, S. I. Ali, S. Mandal, D. Dutta, S. Samanta, Atis Chandra Mandal	Physics	Applied Surface Science	2024
The impact of series (R _s) and shunt resistances (R _{sh}) on solar cell parameters to enhance the photovoltaic performance of f-PSCs	R.H. Sardar, A. Bera, S. Chattopadhyay, S.I. Ali, S. Pramanik, Atis Chandra Mandal	Physics	Optical Materials	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Effect of Zinc Oxide Nanoparticle Based Seed Priming for Enhancing Seed Vigour and Physio-Biochemical Quality of Tomato Seedlings under Salinity Stress	T Ghosh, SK Yadav, R Choudhary, D Rao, MK Sushma, A Mandal, Z Hussain, T Minkina, VD Rajput, S Yadav	Physics	Russian Journal of Plant Physiology	2024
Biosynthesis of Highly Stable Silver Nanoparticles for Enhanced Antibacterial Effect and Efficient Photocatalytic for Dye Degradation	T. Ghosh, A. Chattopadhyay, S. Pramanik, S. Das, S. Mukherjee, Atis Chandra Mandal, P. K. Kuri	Physics	Brazilian Journal of Physics	2024
Smart energy management for optimal economic operation in grid-connected hybrid power system	Kallol Roy, Kamal Krishna Mandal & Atis Chandra Mandal	Physics	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	2025
Energy management system of microgrids in gridtied mode: A hybrid approach	Kallol Roy, Kamal Krishna Mandal, Atis Chandra Mandal	Physics	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	2025
Characterization of vacancy like defect modulated microstructural and opto-electronic properties of Co substituted CdO NPs	Prosenjit Ghosh, Sk Irsad Ali, Samiran Mandal, Dhanadeep Dutta, Atis Chandra Mandal	Physics	Surfaces and Interfaces	2025
Unveiling excitation-independent visible photoluminescence of SnO ₂ nanodots for precise latent fingerprint identification powered by artificial intelligence	Subhamay Pramanik, Jayashree Karmakar, Sumit Mukherjee, Sk Irsad Ali, Shiv Prakash Verma, Anshika Bansal, Sukanta Pal, Riju Karmakar, Atis Chandra Mandal, Probodh K Kuri	Physics	Journal of Materials Chemistry C	2025
On the solution and Lagrangian representation of Duffing oscillator with damping	Amitava Choudhuri, MM Panja, B Talukdar	Physics	Canadian Journal of Physics	2025
On the symmetries of the modified Emden-type equation	Subhra Mondal and Amitava Choudhuri	Physics	Canadian Journal of Physics	2025



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Bulk viscous matter interacting with decaying vacuum energy density: a model for late-time evolution of the Universe	T Nandi, and Amitava Choudhuri	Physics	The European Physical Journal C	2025
Bulk viscous matter with decaying vacuum energy density: A model for late-time evolution of the Universe	T Nandi, and Amitava Choudhuri	Physics	Annals of Physics	2025
On the dynamics of cosmological phase transition during Bose–Einstein condensation of dark matter in Barrow entropy-based cosmology	Subhra Mondal and Amitava Choudhuri	Physics	The European Physical Journal C	2025
Structural and optical properties of green-synthesised tricobalt tetroxide nanoparticles	Biplab Kumar Mandal, Pratap Singh Chauhan, Rahul Das	Physics	Physica Scripta	2024
Photocatalytic Activity of Magnetically Responsive Green Synthesised Co ₃ O ₄ Nanoparticles	Biplab Kumar Mandal, Subhajit Roy Chowdhury, Bhaskar Das, Pratap Singh Chauhan, Bhagaban Kisan and Rahul Das	Physics	Journal of Metastable and Nanocrystalline Materials	2025
Photocatalytic activity of green synthesized canted ferromagnetic hematite iron oxide nanoparticles for methyl orange removal in wastewater remediation	Biplab Kumar Mandal, Pratap Singh Chauhan, Rahul Das	Physics	Journal of Magnetism and Magnetic Materials	2025
Phase crossover induced by dynamical many-body localization in periodically driven long-range spin systems	Mahbub Rahaman, Takashi Mori, and Analabha Roy	Physics	Physical Review B	2024
Discrete time crystal phase of higher dimensional integrable models	Rahul Chandra, Analabha Roy	Physics	Physics Letters A	2024
Time crystal embodies chimeralike state in periodically driven quantum spin system	Mahbub Rahaman, Akitada Sakurai and Analabha Roy	Physics	New Journal of Physics	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
In-silico drug repositioning studies of <i>Candida albicans</i> Nitrogen permease reactivator 1 (Npr1) kinase	Sanjib Das, Arka Bagchi, Analava Bera, Arunima Biswas, Analabha Roy, Rik Ganguly, Amalesh Mondal, Deepanjan Chattopadhyay, Paromita Saha Mondal, Tanushree Mondal, Subhasree Samanta, Achintya Mohan Goswami & Tanima Saha	Physics	Scientific Reports	2025
Overview of the breadth of bacterial resistance development within the framework of antibiotics and antimicrobial peptides	Rajendra Kr Roy, Raju Biswas, Analabha Roy, Rahul Chandra, Rajdeep Shaw, Arun Kumar Shaw, Rajib Bandopadhyay	Physics	The Microbe	2025
How does the intramolecular proton transfer change on the partial change of the saturation characteristics in 8-hydroxyquinoline? A detailed computational study	Niranjan Biswas, Analabha Roy & Abhijit Chakraborty	Physics	Journal of Molecular Modeling	2025
A multifaceted examination of the action of PDE4 inhibitor rolipram on MMP2/9 reveals therapeutic implications	Arka Bagchi, Analabha Roy, Anindya Halder & Arunima Biswas	Physics	Scientific Reports	2025
Frequency encoded tristate Pauli X-gate using SOA assisted photonic band gap crystal	Ayan Dey and Sourangshu Mukhopadhyay	Physics	Optics and Laser Technology	2024
Quantum optical tristate Hadamard gate using phase encoding principle on photonic crystal	Snigdha Hazra, Mir Nadim Sarfaraj, Sourangshu Mukhopadhyay	Physics	Brazilian Journal of Physics	2024
Photonic crystal based integrated system for half adder and half subtractor operations	Snigdha Hazra, Sourangshu Mukhopadhyay	Physics	Optical and Quantum Electronics	2024



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Implementation of all-optical tristate Pauli X, Y and Z gates based on two-dimensional photonic crystal	Snigdha Hazra, Sourangshu Mukhopadhyay	Physics	Optoelectronics letters	2024
Implementation of photonic crystal based optical full adder using ring resonators	Snigdha Hazra, Sourangshu Mukhopadhyay	Physics	Optics Communications	2024
Frequency shift keying using photonic crystal based ring cavity resonator	Debashri Saha, Ayan Dey, Sourangshu Mukhopadhyay	Physics	Optical and Quantum Electronics	2024
Implementation of all-optical quaternary Hadamard gate using 2D photonic crystal	Snigdha Hazra, Sourangshu Mukhopadhyay	Physics	Journal of Optics	2024
An all-optical scheme of developing a 1×2 demultiplexer using photonic band gap (PBG) crystal	Ayan Dey and Sourangshu Mukhopadhyay	Physics	Journal of Optics	2024
Implementation of two-qubit reversible SWAP gate in Photonic crystal	Mir Nadim Sarfaraj, Sourangshu Mukhopadhyay	Physics	Optics Communications	2025
Frequency encoded all-optical signed 1-bit half subtractor using photonic crystal-based semiconductor optical amplifiers	Ayan Dey, Mir Nadim Sarfaraj, Snigdha Hazra, Debashri Saha, Sourangshu Mukhopadhyay	Physics	Journal of Optics	2025
Frequency encoded reversible C-NOT gate in photonic crystal	Mir Nadim Sarfaraj, Sourangshu Mukhopadhyay	Physics	Optics Communications	2025
Frequency encoded Manchester data generation scheme using photonic band gap crystal	Debashri Saha, Ayan Dey, Sourangshu Mukhopadhyay	Physics	Journal of Optics	2025
Influence of Ho, Gd, La Doping on Grain-Grain Boundary Characteristics and Minimization of Leakage Current in Nickel Ferrites	Sanchit Kumar, Chaitali Mondal, Abhigyan Dutta, Ankurava Sinha	Physics	ECS Journal of Solid-State Science and Technology	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Examining the effects of sintering temperature on double perovskite La ₂ NiTiO ₆ Analysis of structural, optical, electrical properties, and leakage current characteristics	Sujan Malik and Abhigyan Dutta	Physics	Journal of Physics and Chemistry of Solids	2024
Analyzing Structural Changes and Variable Range Hopping Conduction in Na _{0.5} Bi _{0.5} TiO ₃ Perovskite: Effect of Sr ²⁺ Doping at Bi-site	Rajdip Roy and Abhigyan Dutta	Physics	Journal of Solid-State Chemistry	2024
Exploring Phase Transition and Charge Carrier Dynamics in La ₆ MoO ₁₂ Ionic Conductors: Impact of Metal-Substitution	Arunmay Baidya and Abhigyan Dutta	Physics	Materials Research Bulletin	2024
Structural, Electrical, leakage-current, and Magnetic characteristics of double perovskite Nd ₂ NiTiO ₆	Sujan Malik and Abhigyan Dutta	Physics	Journal of the American Ceramic Society	2025
Influence of Ti-substituted hole-doped La _{1.5} Sr _{0.5} CoMnO ₆ double perovskite on microstructure and electrical transport properties	Ambedkar Kumar Verma; Dev Kumar Mahato; Sujan Malik and Abhigyan Dutta	Physics	Journal of Materials Science: Materials in Electronics	2025
Investigation of the role of sintering temperature on microstructure, ac conductivity, and dielectric constant of single phase NiSnO ₃ nanopowder	Mamotaj Khatun, Sanjoy Mukherjee, Partha Mitra	Physics	Materialo Today Communications	2024
Influence of Nickel Incorporation on Electrical and Dielectric Properties of PbS Thin Films Synthesized by Chemical Bath Deposition	Ankita Banerjee and Partha Mitra	Physics	Physics of The Solid State	2025
Geometry, Vibrations and torsional potential of 1-phenyl naphthalene: A combined ab-initio and experimental study	Niranjan Biswas, Goutam Dey, Lakshmikanta Das, Santu Das, Nabin Ruidas and Abhijit Chakraborty	Physics	Journal of Molecular Structure	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
How does the conformational landscape change on replacement in tetralin? A computational investigation with oxygen, sulphur and selenium	Asif Iqbal Middya and Abhijit Chakraborty	Physics	Journal of Molecular Modelling	2025
Computational Investigation on the Tautomerisation between (Z)-4-[Hydroxy(phenyl)methylene]isochroman-1,3-dione and 4-Benzoyl-3-hydroxy-1H-isochromen-1-one in S0 and S1 States	Goutam Dey and Abhijit Chakraborty	Physics	Russian Journal of General Chemistry	2025
How does the intramolecular proton transfer change on the partial change of the saturation characteristics in 8-hydroxyquinoline? A detailed computational study	Niranjan Biswas, Analabha Roy and Abhijit Chakraborty	Physics	Journal of Molecular Modelling	2025
Attractive-repulsive interaction in coupled quantum oscillators	B. Paul, B. Bandyopadhyay and Tanmoy Banerjee	Physics	Physical Review E	2024
Filtering induced explosive death in coupled FitzHugh–Nagumo neurons: Theory and experiment	N. Hui, D. Biswas, B. Bandyopadhyay, M. Chakraborty and Tanmoy Banerjee	Physics	Chaos, Solitons & Fractals	2024
Transition among oscillation death, amplitude death, and revival of oscillation in coupled time-delayed systems with diffusivity and common environment	D. Biswas, T. Mandal and Tanmoy Banerjee	Physics	Chaos, Solitons & Fractals	2024
RTK Position Solution Performance of Compact, Low-cost GNSS Receiver-Antenna Combinations	Somnath Mahato, Mrinal Goswami and Anindya Bose	Physics	Survey Review	2024
Compact, Low-Cost GNSS Modules for Efficient Ionospheric Probing: A Case Study from India during Amplitude Scintillation Events of Autumnal Equinox 2022	Sukabya Dan, Satarupa Chatterjee, Rajkumar Mandal, Chaitali Koley and Anindya Bose	Physics	GPS Solutions	2024



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Exploring the Timing Performance of a Geodetic GNSS Receiver in GPS-Only Mode	Sukabya Dan, P Banerjee, Rahul Mondal, Chaitali Koley, Anindya Bose, Ashish Agarwal, Preeti Kandpal and Deepak Sharma	Physics	MAPAN- Journal of Metrology Society of India	2025
PPP Performance of Dual-Frequency, Compact, Low-Cost GNSS Modules: A Novel Study	A. S. Adewumi, S. Mahato, S. Samanta, A. Das and A. Bose	Physics	MAPAN- Journal of Metrology Society of India	2025
Study of a Geodetic NavIC Receiver for Timing Application	Sukabya Dan, P Banerjee, Rahul Mondal, Anindya Bose, Chaitali Koley, Ashish Agarwal, Mahavir Prasad Olaniya and Suchi Yadav	Physics	GPS Solutions	2025
Black TiO ₂ Nanoparticles as Plasmonically Active Scatterers for Random Lasing	A Dey, A Pramanik, S Karmakar, S Biswas, J Karthikeyan, F Messina, U Chatterjee and P Kumbhakar	Physics	ACS Applied Nano Materials	2025
Angular Dependence of Random Laser Emission by Using ZnO-CuO Heterostructures as Scatterer and its Applications in Biocompatible Imaging	S Biswas, A Dey, P Kumbhakar and U Chatterjee	Physics	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	2025
Optical Resonator-Enhanced Random Lasing using Atomically Thin Aluminium-based Multicomponent Quasicrystals	N Mandal, P Kumbhakar, A Dey, P Kumbhakar, U Chatterjee, Christiano J. S. de Matos; T P Yadav, N K Mukhopadhyay, K Biswas, V Kochat, and C S Tiwary	Physics	Optics and Laser Technology	2024
Employment of nonlinear optical properties of GO/Ag nanocomposite scatterer materials for achieving random lasing in the visible region in the gain medium of a commercially available dye	A Dey, A Pramanik, S Biswas, P Kumbhakar and U Chatterjee	Physics	Optical Materials	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Identification of a Novel Homozygous Missense Mutation in the CLDN16 Gene to Decipher the Ambiguous Clinical Presentation Associated with Autosomal Dominant Hypocalcaemia and Familial Hypomagnesemia with Hypercalciuria and Nephrocalcinosis in an Indian Family	Thapa R, Roy A, Nayek K, Basu A.	Prof. In Charge. Dept of Molecular Biology and Human Genetics	. Calcif Tissue Int	2024
Exploring Functional and Immune Contexture in E-Beta Thalassemia Patients Through RNA Sequencing of Peripheral Blood Mononuclear Cells	Mitra N, Chowdhury P, Basu A	Prof. In Charge. Dept of Molecular Biology and Human Genetics	Heliyon	2025
A next-generation sequencing-based universal target panel and algorithm for one-stop detection of copy number alterations and single-nucleotide variations in the HBB gene cluster for rapid diagnosis of β -thalassemia.	Pal D, Chowdhury PK, Nayek K, Biswas NK, Das S, Basu A.	Prof. In Charge. Dept of Molecular Biology and Human Genetics	Mol Biol Rep.	2025
TIM-3 inhibition enhances breast tumor progression and metastasis: A paradoxical immune checkpoint response.	Dolui, Barnali, B Majumdar, A Bandyopadhyay, K V. Desai, Basu A	Prof. In Charge. Dept of Molecular Biology and Human Genetics	J. Biol. Chem	2025
Integrative taxonomy of <i>Coriophagus bulbosus</i> sp. nov. (Strepsiptera: Halictophagidae) with a tentative phylogeny of the species and first report of a stylipised mango leafhopper, <i>Idioscopus nitidulus</i> (Walker, 1870) (Hemiptera: Cicadellidae) from India	POULAMI HUI and NILADRI HAZRA	Zoology	Zootaxa	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Additions of new taxa and record of <i>Dasyhelea</i> Kieffer (Diptera: Ceratopogonidae) from West Bengal, India	SHUBHRANIL BRAHMA, SOMNATH CHATTERJEE, GOURI SANKAR PAL, FLORENTINA DÍAZ, and NILADRI HAZRA	Zoology	Zootaxa	2025
On a new haematophagous species of the genus <i>Leptoconops</i> (Holoconops) Kieffer (Diptera, Ceratopogonidae) from the coastal region of West Bengal, India	Lipika Ghosh, Gouri Sankar Pal and Niladri Hazra	Zoology	Evolutionary Systematics	2025
FIRST RECORD OF THE GENUS <i>NEOZAVRELIA</i> GOETGHEBUER WITH REDESCRIPTION OF <i>NEOZAVRELIA</i> LINDBERGI REISS (DIPTERA: CHIRONOMIDAE) FROM INDIA	Arabinda Mandal, Poulomi Hui and Niladri Hazra	Zoology	Indian Journal of Entomology	2025
Two new species and seven new records of the genus <i>Forcipomyia</i> Meigen, 1818 (Diptera: Ceratopogonidae) from India.	Gouri Sankar Pal, Lipika Ghosh & Niladri Hazra	Zoology	Annales Zoologici	2024
Three new species of <i>Forcipomyia</i> (Lepidohelea) (Diptera: Ceratopogonidae) from West Bengal, India	Gouri Sankar Pal and Niladri Hazra	Zoology	Zootaxa	2024
One new and first record of four species of genus <i>Forcipomyia</i> Meigen, 1818 (Diptera: Ceratopogonidae) from India	Gouri Sankar Pal, Lipika Ghosh and Niladri Hazra	Zoology	Oriental Insects	2024
On a new species of the genus <i>Dundoxenos</i> (Strepsiptera: Corioxenidae) from India, with a world key to known males,	POULAMI HUI & NILADRI HAZRA	Zoology	Annales de la Société entomologique de France (N S)	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Two new species of the subgenus <i>Lepidohelea</i> Kieffer of <i>Forcipomyia</i> Meigen (Diptera: Ceratopogonidae) from West Bengal, India.	G.S. Pal, S. Chatterjee and N. Hazra	Zoology	Biologia	2024
First record of the genus <i>Conochironomus</i> Freeman (Diptera: Chironomidae) with integrative taxonomy of <i>C. tobaterdecimus</i> (Kikuchi & Sasa) from India	Bindarika Mukherjee, Poulami Hui and Niladri Hazra	Zoology	Indian Journal of Entomology	2024
Taxonomic summary of <i>Schyzocotyle</i> (Cestoda: Bothriocephalidae) with a redescription of <i>Schyzocotyle nayarensis</i> (Malhotra, 1983) from India	Marick, J., Choudhury, A., Scholz T., Biswas R., Ash A.	Zoology	Journal of Helminthology	2024
Taxonomic inflation or hidden diversity: unveiling the fact surrounds <i>Lytocestus indicus</i> (Cestoda: Caryophyllidea)	Biswas, R., Barčák, D., Oros, M., Patra, B. K., Marick, J., Ash, A.	Zoology	Parasitology Research	2024
Unlocking the biological enigma: Influence of host length and infection site on parasite abundance in <i>Ompok bimaculatus</i> .	Marick, J., Mukherjee, S.S., Patra, B.K., Ash, A	Zoology	Acta Parasitologica	2024
A tale of Mundeswari River: Unfolding endo-helminth biodiversity and seasonal variation	Patra, B.K., Marick, J., Biswas, R., Banerjee, S., Ash, A.	Zoology	Aquatic Ecology	2024
Intraspecific variation in the caudal papillae of <i>Raphidascaris mundeswariensis</i> (Nematoda: Raphidascarididae) from gobiiform fishes in eastern India	Patra, B.K., Choudhury, A., Marick, J., Biswas, R., Ash, A.	Zoology	Folia Parasitologica	2025
<i>Clarias batrachus</i> and Its Cestode Tenants – A Hub for Many Species or Spectacles to Clear Illusion	Biswas, R., Ash, A.	Zoology	Records of the Zoological Survey of India	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Association of Vaginal Microbiota and Sociodemographic Factors With Cervical Human Papillomavirus in the Eastern Region of India	Suvanjana Ghosh, Anindita Goswami, Arghya Bandyopadhyay, Raju Gopal Saha, Paramita Mandal	Zoology	Journal of Medical Virology	2025
Gut microbial dysbiosis: The hidden culprit behind Aplastic anaemia?	Rojina Yasmin, Paramita Mandal	Zoology	The Microbe	2025
Comparative Analysis of Vaginal Microbiome Associated with Oncogenic HPV Infection Among Different Ethnic Groups of Women of the Eastern Region of India	Anindita Goswami, Suvanjana Ghosh, Arghya Bandyopadhyay, Raju Gopal Saha, Prabir Sengupta, Utpal Bhuniya, Paramita Mandal	Zoology	Indian Journal of Microbiology	2025
Identification of molecular heterogeneity in telomere maintenance pathway of aplastic anemia	Sarmistha Adhikari, Rojina Yasmin, Arghya Bandyopadhyay, Kaustav Nayek, Abhisek Haldar, Shantanu Ghosh, Paramita Mandal	Zoology	Molecular Biology Reports	2025
Life table parameters and digestive physiology of <i>Aulacophora lewisii</i> Baly (Coleoptera: Chrysomelidae) on three <i>Luffa acutangula</i> (L.) Roxb. (Cucurbitaceae) cultivars	Susmita Das, Sanoj Kumbhakar, Rahul Debnath, Anandamay Barik*	Zoology	Bulletin of Entomological Research	2024
Attraction of <i>Aphis craccivora</i> Koch (Hemiptera: Aphididae) towards <i>Lathyrus sativus</i> L. flower volatiles	Paroma Mitra, Saubhik Mitra, Anandamay Barik*	Zoology	International Journal of Pest Management	2024
Effect of <i>Trichosanthes anguina</i> L. flower surface wax chemicals as short-range attractants and oviposition stimulants in <i>Diaphania indica</i> (Saunders) (Lepidoptera: Crambidae)	Rahul Debnath, Syed Husne Mobarak, Anandamay Barik*	Zoology	International Journal of Pest Management	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Effect of herbicides on the redox metabolism and longevity of <i>Lema praecusta</i> (Fab.) (Coleoptera: Chrysomelidae): a biological control agent of Commelinaceae weeds	Swati Das, Anamika Koner, Anandamay Barik*	Zoology	International Journal of Tropical Insect Science	2024
Temperature-Driven Variations in Fitness and Physiological Responses of <i>Aphis craccivora</i> Koch and <i>Aphis gossypii</i> Glover (Hemiptera: Aphididae) on <i>Lablab purpureus</i> subsp. <i>Bengalensis</i> (Jacq.) Verdc	Sanoj Kumbhakar, Susmita Das, Bhramar Bhattacharyya, Anandamay Barik*	Zoology	Journal of Applied Entomology	2025
The interactive effects of horse gram seed coat surface wax in <i>Callosobruchus chinensis</i> (Coleoptera: Chrysomelidae) and its larval parasitoid, <i>Anisopteromalus calandrae</i> (Hymenoptera: Pteromalidae)	Bhramar Bhattacharyya, Sayantan Dutta, Sumita Das, Sanoj Kumbhakar, Susmita Das, Anandamay Barik*	Zoology	Journal of Stored Products Research	2025
Insights in the Role of Leaf Surface Wax Chemicals of <i>Luffa acutangula</i> (Cucurbitaceae) in the Attraction and Oviposition of <i>Aulacophora lewisii</i>	Susmita Das, Sanoj Kumbhakar, Bhramar Bhattacharyya, Rahul Debnath, Anandamay Barik*	Zoology	Journal of Chemical Ecology	2025
Resistance of <i>Trichosanthes anguina</i> (L.) cultivars due to herbivory by caterpillars of <i>Diaphania indica</i> (Saunders) (Lepidoptera: Crambidae)	Rahul Debnath, Susmita Das, Sanoj Kumbhakar, Bhramar Bhattacharyya, Sayantan Dutta, Anandamay Barik*	Zoology	Phytoparasitica	2025
Influence of Bottle Gourd Cultivars on the Biology and Demographic Parameters of <i>Helicoverpa armigera</i> (Hübner, 1809): Basis of Resistance Through Biochemical and Physiological Approach	Sk Mohim Ali, Sayantan Dutta, Susmita Das, Bhramar Bhattacharyya, Sumita Das, Anandamay Barik*	Zoology	Journal of Chemical Ecology	2025
<i>Allium cepa</i> tests: Exploring bleomycin induced cytogenotoxicity and altered cell cycle kinetics in root tips meristematic cells	Ria Das, Sanjib Ray	Zoology	Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis	2024



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Bioprospecting nonpolar solvent extracts' from <i>Scadoxus multiflorus</i> (Martyn) Raf. for antibacterial activity against fish pathogenic bacteria	Ria Das, Souren Goswami, Mouli Pal, Tanaya Sukul, Souvik Bag, Koushik Ghosh, Soumendranath Chatterjee, Sanjib Ray	Zoology	The Microbe	2025
Assessment of antibacterial activity of leaf extracts of <i>Crinum asiaticum</i> L. against five gram negative fish pathogenic bacterial strains	Ria Das, Souren Goswami, Mouli Pal, Debnarayan Chowdhury, Tanaya Sukul, Souvik Bag, Gobinda Dhibar, Koushik Ghosh, Soumendranath Chatterjee, Sanjib Ray	Zoology	The Microbe	2025
14,15-dihydroclerodin (C24H36O7) induced cell cycle delay, antimetabolic and cytotoxic effects in <i>Allium cepa</i> L. root tip cells	Poulomi Ghosh, Sujit Roy, Sanjib Ray	Zoology	Scientific Reports	2025
Biopesticide (Azadirachtin) as a Sustainable Alternative to Conventional Pesticides (Chlorpyrifos and λ -Cyhalothrin) for Mosquito Control in the Dengue Vector, <i>Aedes aegypti</i> : Insights from Physiological, Histopathological and Molecular Docking Analyses	Souvik Bag, Manabendu Barman, Ayan Mondal, Debraj Biswal, Shubhajit Saha, Soumendranath Chatterjee, Sanjib Ray	Zoology	International Journal of Environmental Research	2025
Comparative in vitro antioxidant and antibacterial activities of leaf extract fractions of Crimson bottlebrush, <i>Callistemon citrinus</i> (Curtis.) Skeels	Poulomi Ghosh, Souren Goswami, Sujit Roy, Ria Das, Tista Chakraborty, Sanjib Ray	Zoology	The Microbe	2025
<i>Maesa lanceolata</i> : A comprehensive review of its traditional medicinal uses, phytochemistry, pharmacological potential, toxicology, and safety profile	Anuva Barman, Manabendu Barman, Sanjib Ray	Zoology	Naunyn-Schmiedeberg's Archives of Pharmacology	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Antimitotic and cytotoxic effects of Clerodendrum indicum leaf aqueous extract in Allium cepa root tip cells	Gobinda Dhibar, Sanjib Ray	Zoology	Cytologia	2025
Clerodendrum inerme (L.) Gaertn.: a critical review on current progress in traditional uses, phytochemistry, pharmacological aspects and toxicity	Manabendu Barman, Anuva Barman, Sanjib Ray	Zoology	Phytochemistry Reviews	2024
Unraveling the ethnomedicinal uses, phytochemistry, and pharmacology of an under-investigated species, Scadoxus multiflorus (Martyn) Raf.	Ria Das, Sanjib Ray	Zoology	South African Journal of Botany	2024
Monocrotophos induced changes in the life cycle parameters of fruit fly	Das, K., Pramanik, S., Rajak, P., Biswas, G., Mandi, M.	Zoology	Environmental Science Archives	2024
Chronic sub-lethal exposure to clothianidin triggers organismal and sub-organismal-level health hazards in a non-target organism, Drosophila melanogaster.	Nanda S, Ganguly A, Mandi M, Das K, Ghanty S, Biswas G, Rajak P	Zoology	Science of The Total Environment.	2024
Unveiling the physical, behavioural, and biochemical effects of clothianidin on a non-target organism, Drosophila melanogaster	Nanda S, Ganguly A, Mandi M, Das K, Rajak P	Zoology	Science of The Total Environment	2024
Exploring the ameliorative potential of rutin against High-Sucrose Diet-induced oxidative stress and reproductive toxicity in Drosophila melanogaster	Ganguly A, Nanda S, Mandi M, Das K, Rajak P	Zoology	Reproductive Toxicology	2024
Dietary Rutin Mitigates High-Sucrose Diet-Induced Organismal, Cellular, and Biochemical Hazards in Drosophila melanogaster	Ganguly A, Nanda S, Mandi M, Das K, Biswas G, Maitra P, Rajak P	Zoology	ACS Chemical Health & Safety	2024



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Evaluation of catalytic and cytotoxic behaviors of Bismuth oxide-reduced graphene oxide nanocomposites synthesized by <i>Swietenia macrophylla</i> plant extract	Bairy B, Das K, Maity S, Mandi M, Bhabak P, Baskey Sen M	Zoology	Graphene and 2D Materials	2025
Unveiling the Biphasic Impacts of Naringenin on Organismal and Suborganismal Levels in <i>Drosophila melanogaster</i>	Ghanty, S., Ganguly, A., Nanda, S., Mandi, M., Das, K., Biswas, G., Maitra, P., Khatun, N. and Rajak, P.	Zoology	ACS Chemical Health & Safety	2025
Unveiling the protective efficacy of rutin against High-Sucrose Diet-induced oxidative stress, biochemical alterations, and organismal hazards in <i>Drosophila melanogaster</i>	Ganguly, A., Das, K., Nanda, S., Mandi, M., Biswas, G., Ghanty, S. and Rajak, P.	Zoology	Toxicology Research	2025
Antioxidant and Pro-oxidant properties of naringenin: Unveiling the biphasic impacts on model, <i>Drosophila melanogaster</i>	Ghanty, S., Ganguly, A., Nanda, S., Mandi, M., Das, K., Biswas, G., Maitra, P., Khatun, N. and Rajak, P.	Zoology	Food Chemistry Advances	2025
Monocrotophos-Induced Redox Imbalance and Genotoxicity in <i>Drosophila melanogaster</i> : Implications for Nontarget Organisms	Das, K., Pramanik, S., Biswas, G., Rajak, P., Nanda, S., Ganguly, A. and Mandi, M.	Zoology	Journal of Applied Toxicology	2025
Chronic sub-lethal exposure to clothianidin impacts reproductive fitness in <i>Drosophila melanogaster</i>	Nanda, S., Ganguly, A., Mandi, M., Das, K. and Rajak, P.	Zoology	Journal of Environmental Sciences	2025
Effect of Dietary Iron Levels on Growth, Body Composition and Enzyme Activities of Rohu (<i>Labeo rohita</i> Hamilton) Advanced Fingerlings	S. Chanda, B. N. Paul, P. Singh, K. Ghosh, S. S. Giri	Zoology	Indian Journal of Animal Nutrition	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Unveiling the plastic degrading potential of the beneficial microbiome through plastisphere community diversity and predictive functionality analysis in waste disposal sites in the adjoining areas of Kolkata, West Bengal, India	S. Dey, A. K. Rout, K. Ghosh, S. Dixit, V. Kumar, B. K. Das, B. K. Behera	Zoology	Current Research in Biotechnology	2024
Potential Use of Algae in the Diets of Farmed Animals and Fish: An Overview	J. Das, K. Ghosh	Zoology	Proceedings of the Zoological Society	2024
Promising Probiotic Candidates for Sustainable Aquaculture: An Updated Review	S. H. Hoseinifar, M. Faheem, I. Liaqat, H. V. Doan, K. Ghosh, E. Ringø	Zoology	Animals	2024
Evaluation of growth, nutrient utilization, and metabolic function in rohu, <i>Labeo rohita</i> (Hamilton), fed diets incorporated with fermented <i>Saraca asoca</i> leaf meal	S. Talukdar, K. Ghosh	Zoology	Fish Physiology & Biochemistry	2025
Fermented spent coffee ground in African catfish (<i>Clarias gariepinus</i>) diets: Effects on growth performance, digestive enzyme, protein digestibility, amino acid profile, and immune-related gene	N. A. Roslan, Z. A. Kari, S. A. M. Sukri, M. I. Khoo, N. I. M. Sani, R. Rashid, M. A. Kabir, S. K. Nandi, N. N. A. Zakaria, K. Ghosh, H. C. Harun, El-Sayed H. Eissa	Zoology	Aquaculture	2025
Assessment of antibacterial activity of leaf extracts of <i>Crinum asiaticum</i> L. against five gram negative fish pathogenic bacterial strains	R. Das, S. Goswami, M. Pal, D. n Chowdhury, T. Sukul, S. Bag, G. Dhibar, K. Ghosh, S. N. Chatterjee, S. Ray	Zoology	The Microbe	2025
Nutrient Profiling of Some Terrestrial Plant Leaves for Their Prospective Use as Nonconventional Ingredients in Carp Diets	D. Acharya, Z. A. Kari, L. S. Wei, K. Ghosh	Zoology	Aquaculture Research	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
The Effects of Interaction of Iron and Vitamin C on the Growth of <i>Labeo rohita</i> Juveniles	S. Chanda, B. N. Paul, P. Singh, K. Ghosh, S. S. Giri	Zoology	Animal Nutrition and Feed Technology	2025
Bioprospecting nonpolar solvent extracts' from <i>Scadoxus multiflorus</i> (Martyn) Raf. for antibacterial activity against fish pathogenic bacteria	R. Das, S. Goswami, M. Pal, T. Sukul, S. Bag, K. Ghosh, S. N. Chatterjee, S. Ray	Zoology	The Microbe	2025
Advancing plastic waste remediation: microbial enzyme-based degradation of micro- and nanoplastics (MNPs) for environmental sustainability	S. Dey, A. K. Rout, K. Ghosh, B. K. Behera	Zoology	Biocatalysis and Biotransformation	2025
Combined Application of Pectin and <i>Bacillus</i> spp. in the Diets of Rohu, <i>Labeo rohita</i> (Hamilton): Effects on Growth, Feed Utilization, Immunity, Haemato-Biochemical Profile and Pathogen Resistance	T. Sukul, K. Ghosh	Zoology	Aquaculture Reports	2025
Deciphering the Enzymatic and Metabolic Functional Potential of Plastisphere Microbiota: Implications for Predictive Bioremediation in Urban Waste Disposal Environments	S. Dey, A. K. Rout, K. Ghosh, V. Kumar, B. K. Das, B. K. Behera	Zoology	CLEAN – Soil, Air, Water	2025
Specific prebiotics improved growth, pathogen inhibition and short-chain fatty acids production by probiotic bacilli: Screening synbiotic combinations for aquaculture	T. Sukul, D. Acharya, K. Ghosh	Zoology	The Microbe	2025
Diversity of aerobic bacterial groups in Chandur forest areas of West Bengal, India.	Baisakhi Saha, Souvik Bag, Abhijit Mandal, Soumendranath Chatterjee.	Zoology	Asian Journal of Microbiology, Biotechnology & Environmental Sciences	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Fluorene-induced stress in the benthic oligochaete Tubifex tubifex: A multi-biomarker assessment of toxicological pathways and mechanisms under acute and subchronic exposure	Pramita Sharma, Azubuike Victor Chukwuka, Soumendranath Chatterjee, Shovonlal Bhowmick, Tapan Kumar Mistri, Nimai Chandra Saha.	Zoology	Chemosphere	2024
Pathological and ultrastructural changes of Bellamyia bengalensis under chronic carboxylic acid exposure at environmentally relevant levels: Inferences from general unified threshold model for survival (GUTS) predictions and hepatopancreatic integrity assessment	Pramita Sharma, Azubuike Chukwuka, Soumendranath Chatterjee, Debanjali Chakraborty, Nimai Chandra Saha	Zoology	Chemosphere	2024
Larvicidal activity of β -Citral: An In-vitro and In-silico study to understand its potential against mosquito	Krishnendu Adhikary Pradipta Banerjee Saurav Barman Arundhati Banerjee Aniket Sarkar Souvik Bag Soumendranath Chatterjee Bandyopadhyay Bidyut Anindya Sundar Panja	Zoology	Acta Tropica	2024
The Isolation and Identification of Novel Arsenic-Resistant Bacteria from an Arsenic-Contaminated Region—A Study to Understand the Efficiency of Bacteria for Arsenic Removal from Aqueous Media	Uttiya Dey Naba Kumar Mondal Soumendranath Chatterjee Kousik Das Deep Raj Pankaj Kumar Gowhar Meraj	Zoology	Watre	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Soil bacteria are more conducive to cowpea (<i>Vigna unguiculata</i> L. Walp) growth than the physico-chemical factors in agricultural fields of India	Priya Chatterjee Paramita Mandal Ayan Mondal Soumendranath Chatterjee Sudipto Mandal	Zoology	In book: Water Resources Monitoring, Management and Sustainability (pp.637-660)	2024
Biomarker and adverse outcome pathway responses of <i>Tubifex tubifex</i> (sludge worm) exposed to environmentally-relevant levels of acenaphthene: insights from behavioral, physiological, and chemical structure-activity analyses	Pramita Sharma Azubuike Victor Chukwuka Soumendranath Chatterjee Debanjali Chakraborty Shovonlal Bhowmick Tapan Kumar Mistri Nimai Chandra Saha	Zoology	Environmental Science and Pollution Research	2024
Assessment of antibacterial activity of leaf extracts of <i>Crinum asiaticum</i> L. against five gram negative fish pathogenic bacterial strains	Ria Das Souren Goswami Mouli Pal Debnarayan Chowdhury Tanaya Sukul Souvik Bag Gobinda Dhibar Koushik Ghosh Soumendranath Chatterjee Sanjib Ray	Zoology	The Microbes	2025



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Toxicological and physiological impact and bioremediation strategies for polycyclic aromatic hydrocarbons (PAHs)	Pramita Sharma Shubhajit Saha Soumendranath Chatterjee Ahamadul Hoque Mandal Surajit Ghosh Nimai Chandra Saha Giuseppe Piccione Federica Impellitteri Caterina Faggio	Zoology	Chemistry and Ecology	2025
A comprehensive study of novel extremophilic soil bacterial isolates from Sundarbans mangrove sediments as a biocontrol agent for mosquito vector management	Souvik Bag & Soumendranath Chatterjee	Zoology	Pest Management Science	2025
Biopesticide (Azadirachtin) as a Sustainable Alternative to Conventional Pesticides (Chlorpyrifos and λ -Cyhalothrin) for Mosquito Control in the Dengue Vector, <i>Aedes aegypti</i> : Insights from Physiological, Histopathological and Molecular Docking Analyses	Souvik Bag Manabendu Barman Ayan Mondal Debraj Biswal Shubhajit Saha Soumendranath Chatterjee Sanjib Ray	Zoology	International Journal of Environmental Research	2025
Biochemical and molecular characterization of symbiotic mid-gut bacterium <i>Bacillus cereus</i> (PQ324272) of <i>Culex quinquefasciatus</i> larvae and its control by indigenous plant extracts.	Basanta Sarkar Tushar Dangar Abhijit Mazumdar Soumendranath Chatterjee	Zoology	Asian Journal of Microbiology, Biotechnology and Environmental Sciences	2025



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Comprehensive Analysis of Salt-Tolerant Extremophilic Bacterial Groups in the Coastal Belt of Digha, India	Souvik Bag Debraj Biswal Soumendranath Chatterjee	Zoology	Geomicrobiology	2025
Bioprospecting nonpolar solvent extracts' from Scadoxus multiflorus (Martyn) Raf. for antibacterial activity against fish pathogenic bacteria	Ria Das Souren Goswami Mouli Pal Tanaya Sukul Souvik Bag Koushik Ghosh Soumendranath Chatterjee Sanjib Ray	Zoology	The Microbe	2025
Are biopesticides really safe? Impacts on gut microbiota and intestinal health in freshwater fish	Shubhajit Saha Antara Mondal Souvik Bag Surajit Ghosh Ahamadul Hoque Mandal Nimai Chandra Saha Soumendranath Chatterjee Mentor Sopjiani Cristiana Roberta Multisanti Caterina Faggio	Zoology	Journal of Contaminant Hydrology	2025
Phytochemical Profiling, Antimicrobial Activity, and in vivo Toxicological Assessment of Whole Plant Aqueous Extract of Coix lacryma-jobi (L.)	Madhumita Mahato Souvik Bag Shuli Barik Soumendranath Chatterjee Surjyo Jyoti Biswas	Zoology	Journal of Advances in Biology & Biotechnology	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Fluorene-induced antioxidant disruption, neurophysiological impairment, and DNA damage in freshwater snail (<i>Bellamya bengalensis</i>) and fish (<i>Anabas testudineus</i>): Evidence from in vivo and in silico studies	Azubuiké Victor Chukwuka Pramita Sharma Soumendranath Chatterjee Nimai Chandra Saha	Zoology	Chemosphere	2025
Beyond the target: the ecotoxicological impact of flubendiamide in natural ecosystems	Triparna Roy Surajit Ghosh Ahamadul Hoque Mandal Nimai Chandra Saha	Zoology	Beyond the target: the ecotoxicological impact of flubendiamide in natural ecosystems	2025
Cresol Derivatives from <i>Bacillus subtilis</i> as Natural Oviposition Modulator of <i>Culex quinquefasciatus</i> : A Molecular Docking Approach	Basanta Sarkar Souvik Bag Abhijit Mandal Dibyendu Saha Shubhajit Saha Rama Bhaduri Soumendranath Chatterjee	Zoology	Applied Biochemistry and Biotechnology	2026
Importance of stress management in <i>Aedes aegypti</i> larvae: a potential target for vector control strategies	Souvik Bag Debraj Biswal Paolo Pastorino Caterina Faggio Shubhajit Saha Soumendranath Chatterjee	Zoology	International Journal of Pest Management	2026



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Toxicological Profile of Titanium Dioxide Nanoparticles: Properties, Production and Potential Toxic Effects on Non-Target Aquatic Organisms	Auroshree Sadhu Surajit Ghosh Ahamadul Hoque Mandal Soumendranath Chatterjee Nimai Chandra Saha Jayanta Kumar Biswas Shubhajit Saha	Zoology	Water Air and Soil Pollution	2026
Antioxidant enzyme activity and pathophysiological consequences in the sludge worm Tubifex tubifex under acute and sub-lethal exposures to the fungicide Tilt ®	Subhajit Saha, Shubhajit Saha, Arup Mistri, Nimai Chandra Saha	Zoology	Pesticide Biochemistry and Physiology	2024
Morphological and Molecular Evidence of Fish Parasite Gyrodactylus kobayashi and Argulus japonicus Isolated from Ornamental Fish (Carassius auratus)	Basanta Kumar Das, Souvik Dhar, Vikash Kumar, Arup Mistri, Satya Narayan Parida, Kampan Bisai, Shukla Devnath, Asim Kumar Jana, Bijay Kumar Behera	Zoology	Agricultural Research	2025
Citrobacter freundii induced pathogenicity towards fish: An insight investigation through serum biochemistry and gene expression analysis in Labeo rohita.	Souvik Dhar, Arup Mistri, Ajaya Kumar Rout, Kampan Bisai, Basanta Kumar Das, Bijay Kumar Behera	Zoology	Aquaculture International	2025
Alterations in innate immune parameters and oxidative stress-related gene expression in an Indian major carp, Labeo rohita (Hamilton, 1822), infected with Citrobacter freundii	Souvik Dhar, Arup Mistri, Ayan Srivastava, Fernando O. Mardones, Bijay Kumar Behera	Zoology	Microbial Pathogenesis	2025
Mucosal immunity of farmed fish within aquaculture: Mechanisms, challenges, and advances.	Arup Mistri, Sourav Sardar, Ayan Srivastava	Zoology	Aquaculture International,	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Aloin enhances cutaneous wound healing in <i>Labeo rohita</i> by orchestrating antioxidant, cytokine and proliferative responses	Arup Mistri, Sampurna Karmakar, Soumyajyoti Ghosh, Sudipta Maitra	Zoology	Fish Shelfish Immunology	2026
Microplastic pollution in rivers and lakes of India: Sources, ecotoxicological impacts, and removal strategies	Avinash Kumar, Vineet Kumar Poddar, Sourav Sardar, Arup Mistri, Ayan Srivastava	Zoology	NanoImpact	2026
BIOECOLOGY AND MANAGEMENT OF MAJOR INSECT PESTS OF RICE IN WEST BENGAL	S Dutta, A Hossain, N Roy	Zoology	Indian Journal of Entomology	2024
Morphological variables of the butterfly guild and their functional role in foraging behavior on the visiting plants: Optimization by Artificial Neural Network Model	Subha Shankar Mukherjee, Ayan Mondal, Chuleui Jung, Asif Hossain	Zoology	Food Webs	2024
Range-wide prediction of habitat suitability for king cobras under current and future scenarios	Subha Shankar Mukherjee, Debidas Patra, Asif Hossain	Zoology	Integrative Conservation	2024
Species distribution modelling of the purple leaf blue butterfly (<i>Amblypodia anita</i>) in West Bengal, India, under current environmental conditions	Subha Shankar Mukherjee, Asif Hossain	Zoology	Biodiversity	2024
Assemblage and diversity analysis of butterfly species in relation to climatic conditions in some tropical habitats: optimization through artificial neural network model	Subha Shankar Mukherjee, Asif Hossain	Zoology	Journal of Ecology and Environment	2024
Alteration in butterfly community structure along urban-rural gradient: with insights to conservation management	Subha Shankar Mukherjee, Asif Hossain	Zoology	The Journal of Basic and Applied Zoology	2024



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Species Distribution Modeling (SDM) of Variable Tawny Rajah (<i>Charaxes bernardus hierax</i>) in some unusual habitats of West Bengal, India: implications for conservation	Asif Hossain, Mukherjee Subha Shankar, Saurabh Purohit, Soumyadip Bag	Zoology	European Journal of Ecology	2025
Antioxidant enzyme activity and pathophysiological consequences in the sludge worm <i>Tubifex tubifex</i> under acute and sub-lethal exposures to the fungicide Tilt®	Subhajit Saha, Shubhajit Saha, Arup Mistri, Nimai Chandra Saha	Zoology	Pesticide Biochemistry and Physiology	2024
Haematological, biochemical, enzymological changes and mitochondrial dysfunction of liver in freshwater climbing perch <i>Anabas testudineus</i> during their acute and chronic exposure to sodium fluoride	Nimai Chandra Saha, Priyajit Banerjee, Arnab Chatterjee, Ritwick Bhattacharya, Shubhajit Saha, Paolo Pastorino	Zoology	Environmental Toxicology and Pharmacology	2024
Generation of oxidative stress in freshwater oligochaete <i>Tubifex tubifex</i> due to exposure to aniline: time and concentration dependent toxicity assessment	Debanjali Chakraborty, Shubhajit Saha, Sanjoy Podder, Nimai Chandra Saha, and Caterina Faggio	Zoology	Chemistry and Ecology	2024
Exploring the impact of zinc oxide nanoparticles on fish and fish-food organisms: A review	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	Aquaculture Reports	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Dimethoate-induced toxicity: a comprehensive review of its aquatic environmental hazards	Ahmadu Hoque Mandal, Surajit Ghosh, Ditipriya Acharya, Priyajit Chatterjee, Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	Toxicology and Environmental Health Sciences	2024
Copper Oxide Nanoparticles as an Emergent Threat to Aquatic Invertebrates and Photosynthetic Organisms: A Synthesis of the Known and Exploration of the Unknown	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee, Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	Current Pollution Reports	2024
The physiological effects of acute and sub-lethal exposure to phenol on antioxidant enzyme activity in the freshwater sludge worm Tubifex tubifex	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee, Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	Toxicology Reports	2024
Formaldehyde as Preservative for Fish and Seafood: A Boon or a Bane	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee, Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	Environmental Quality Management	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Toxic Effects of Lead Exposure on Freshwater Climbing Perch, <i>Anabas testudineus</i> , and Bioremediation Using <i>Ocimum sanctum</i> Leaf Powder	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	toxics	2024
Evaluating the impact of neonicotinoids on aquatic non-target species: A comprehensive review	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Acharya, Priyajit Chatterjee Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	Environmental Toxicology and Pharmacology	2025
HEART: A database on health and ethnomedicinal traditions of Indian tribes	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	Ethics, Medicine and Public Health	2025
Metabolomics profiling and hazard prediction of spinosyn-based agricultural products: A computational approach	Surajit Ghosh, Auroshree Sadhu, Ahamadul Hoque Mandal, Sukhendu Dey, Nimai Chandra Saha, Shubhajit Saha	Zoology	Science of The Total Environment	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Exploring the ecotoxicological impacts of microplastics on freshwater fish: A critical review	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee, Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	Journal of Contaminant Hydrology	2025
Analytical approaches for quantifying and characterizing microplastics: Environmental impacts and bioaccumulation in aquatic Systems	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee, Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana Roberta Multisanti, Shubhajit Saha and, Caterina Faggio	Zoology	Green Analytical Chemistry	2025
Effects of Difenconazole on Tubifex tubifex: Antioxidant Activity, Insights from GUTS Predictions, and Multi-Biomarker Analysis	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee, Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	biology	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
First Evidence of Microplastics Burden in Surface Waters of Budhabalanga Estuary, Chandipur, Eastern India: Potential Threat to Aquatic Ecosystem	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee, Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	Applied Biochemistry and Biotechnolog	2025
Distribution, habitat suitability, natural history, bite report, and medical importance of the Asian tarantula Chilobrachys spp.	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Acharya, Priyajit Chatterjee, Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	Frontiers in Arachnid Science	2025
Toxicological and physiological impact and bioremediation strategies for polycyclic aromatic hydrocarbons (PAHs)	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee, Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	Chemistry and Ecology	2025
Silent threats beneath the surface: unraveling the impact of organophosphate toxicity on fish	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee, Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	Science of The Total Environment	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Carbonsulfan-induced physiological, histopathological, and ultrastructural alterations in <i>Tubifex tubifex</i> (Müller, 1774)	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee, Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	Scientific Reports	2025
Sodium Dodecylbenzenesulfonate-induced oxidative stress and tissue damage in <i>Tubifex tubifex</i> : A comprehensive toxicological study	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee, Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	Environmental Toxicology and Pharmacology	2025
Are biopesticides really safe? Impacts on gut microbiota and intestinal health in freshwater fish	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee, Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	Journal of Contaminant Hydrology	2025
Biopesticide (Azadirachtin) as a Sustainable Alternative to Conventional Pesticides (Chlorpyrifos and λ -Cyhalothrin) for Mosquito Control in the Dengue Vector, <i>Aedes aegypti</i> : Insights from Physiological, Histopathological and Molecular Docking Analyses	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee, Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	International Journal of Environmental Research	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Identification of a Novel Homozygous Missense Mutation in the CLDN16 Gene to Decipher the Ambiguous Clinical Presentation Associated with Autosomal Dominant Hypocalcaemia and Familial Hypomagnesemia with Hypercalciuria and Nephrocalcinosis in an Indian Family	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee, Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	. Calcif Tissue Int	2024
Exploring Functional and Immune Contexture in E-Beta Thalassemia Patients Through RNA Sequencing of Peripheral Blood Mononuclear Cells	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee, Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	Heliyon	2025
A next-generation sequencing-based universal target panel and algorithm for one-stop detection of copy number alterations and single-nucleotide variations in the HBB gene cluster for rapid diagnosis of β -thalassemia.	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee, Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	Mol Biol Rep.	2025
TIM-3 inhibition enhances breast tumor progression and metastasis: A paradoxical immune checkpoint response.	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee, Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	J. Biol. Chem	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Isolation and comparative analysis of cultural bacterial communities associated with life stages, breeding and rearing substrates of <i>Culicoides oxystoma</i> Kieffer (Diptera: Ceratopogonidae) vector of bluetongue virus,	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	Medical and Veterinary Entomology	2024
Taxonomy and feeding of <i>Forcipomyia</i> (Microhelea) <i>fuliginosa</i> Meigen and <i>Forcipomyia</i> (Microhelea) <i>esakiana</i> Tokunaga (Diptera: Ceratopogonidae) on <i>Antheraea mylitta</i> Drury (Lepidoptera: Saturniidae)	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	Zootaxa	2024
Influence of Rearing Temperatures on Oviposition and Survivability of Developmental Stages of <i>Culicoides peregrinus</i> Vector of Bluetongue Virus with a Note on Egg Viability	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	Proceedings of the Zoological Society	2024
<i>Culicoides</i> spp. (Diptera: Ceratopogonidae) and their associated bacterial communities, endosymbionts: a review	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	Journal of Medical Arthropodology & Public Health	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
A novel Bayesian approach based on wing geometric morphometry to discriminate <i>Culicoides</i> species (Diptera: Ceratopogonidae)	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee, Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	Journal of Medical Entomology	2025
Elucidating the life history parameters of <i>Culicoides oxystoma</i> (Diptera: Ceratopogonidae) under varied substrate compositions and temperatures	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee, Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	Journal of Medical Entomology	2025
Host-seeking and exophilic-endophilic activities of <i>Culicoides</i> spp. (Diptera: Ceratopogonidae) with notes on two trapping methods	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee, Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	Journal of Medical Entomology	2025
Absence of abdominal pigmentation in species of <i>Culicoides</i> Latreille subgenus <i>Trithecoides</i> Wirth & Hubert: An obstruction to age-grading	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee, Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	Biologia	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Casearia tomentosa fruit extracts exposed larvicidal activity and morphological alterations in Culex quinquefasciatus and Aedes albopictus under in vitro and semi field conditions	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee, Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	BMC Research Notes	2024
Mosquito larvicidal bioassay with the fruit extracts of Diospyros kaki on filarial vector Culex quinquefasciatus	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee, Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	Notulae Scientia Biologicae	2024
An insight into the bactericidal and phytochemical properties of leaf extract of Vernonia squarrosa and understanding antibacterial activity by molecular docking	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee, Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	Pharmacological Research-Modern Chinese Medicine	2024
Larvicidal efficacy of Diospyros kaki fruit extracts against Culex vishnui mosquito	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee, Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	International Journal of Tropical Insect Science	2024



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Comparative Phytochemical Insights and Potential Bioactivities of Phyllodium pulchellum Leaf and Bract Extracts	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	Chemistry & Biodiversity	2025
Phytochemical analysis and hypolipidaemic activity of Cestrum nocturnum (Solanaceae: Solanales) extract in normal albino rat	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	Proceedings of the Indian National Science Academy	2025
Synergistic larvicidal activity of Jacquinia ruscifolia flowers and Thuja orientalis strobili petroleum ether extract against Culex quinquefasciatus	Ahamadul Hoque Mandal, Surajit Ghosh, Ditipriya Adhurjya, Priyajit Chatterjee Ishita Samajdar, Dip Mukherjee, Kishore Dhara, Nimai Chandra Saha, Giuseppe Piccione, Cristiana	Zoology	International Journal of Mosquito Research	2025
Induction of Mitochondrial Reactive Oxygen Species by TLR-7 Modulates the Formation of NK-DC Synapses via IL-12 Polarization in Dendritic Cells	Sumit Hira, and Samrat Daripa	Zoology	The Journal of Immunology	2024



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TLR7-Induced Mitochondrial Reactive Oxygen Species Production in Monocyte-derived Dendritic Cells Drives IL-12-Dependent NK Cell Activation and Enhances Antitumor Immunity	Ankush Paladhi, Samrat Daripa, Arghya Nath, and Sumit Kumar Hira	Zoology	The Journal of Immunology	2024
Structural Insights and In Vitro and In Vivo Anticancer Evaluation of Dithiocarbamate-Based Metal Complexes against Murine Lymphoma	Anupam Singh, Riya Patel, Samrat Daripa, Manoj Kumar Bharty, RJ Butcher, Sumit Kumar Hira, and Lal Bahadur Prasad	Zoology	Dalton Transactions	2025
CNS Involvement in Paediatric AML Patients: Real-world Data from a Tertiary Care Center	Indrani Mondal, Arghya Nath, and Sumit Kumar Hira	Zoology	Indian Journal of Hematology and Blood Transfusion	2025
Enhanced ETS1 stability by DNAPKcs orchestrates transcriptional changes during chemoresistance in triple negative breast cancer	Aiindrila Dhara, Imlimaong Aier, Souhadri Das, Manash Sarkar, Ramandeep Kaur, Pritish Kumar Varadwaj, Samrat Daripa, Sumit Kumar Hira, Anindya Halder, and Nirmalya Sen	Zoology	npj Breast Cancer	2025
Silencing Nrf2 in cisplatin resistant non-small cell lung cancer cells augments sensitivity towards EGFR inhibitor	Chandrani Fouzder, Alpana Mukhuty, Dipanjan Chattopadhyay, Snehasis Das, Sumit Kumar Hira, and Rakesh Kundu	Zoology	Toxicology in Vitro	2024
A sensing approach based on rhodamine associated Bis-1, 2, 3-triazole probe for targeted recognition of Fe ³⁺ ions: Imaging on DL-tumor cells and molecular modelling	Ashish Kumar, Ranjay Shaw, Santosh Kumar Singh, Vishal Nemaish, Sumit Kumar Hira, Prabodh Ranjan, and Swapan Dey	Zoology	Journal of Photochemistry and Photobiology A: Chemistry	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Extracellular Proteins of <i>Pseudomonas bubulae</i> KU04 as a Resource for Potent Antimicrobial Peptides Against <i>Acinetobacter baumannii</i> and <i>Pseudomonas aeruginosa</i>	Rajendra Kr Roy, Raju Biswas, Rajdeep Shaw, Sumit Kumar Hira, and Rajib Bandopadhyay	Zoology	International Journal of Peptide Research and Therapeutics	2025
Effects of α -olefin sulfonate (AOS) on <i>Tubifex tubifex</i> : Toxicodynamic- toxicokinetic inferences from the general unified threshold (GUTS) model, biomarker responses and molecular docking predictions	Debanjali Chakraborty, Azubuike Victor Chukwuka, Sanjoy Podder, Pramita Sharma, Shovonlal Bhowmick, Tapan Kumar Mistri, and Nimai Chandra Saha	Zoology	Ecotoxicology	2025
Nano-biopesticide formulation comprising of silver nanoparticles anchored to <i>Ocimum sanctum</i> : a sustainable approach to pest control in jute farming	Avirup Ghosh, Dipanwita Majumdar, Himani Biswas, Anupam Chowdhury, and Sanjoy Podder	Zoology	Scientific Reports	2025
SCGB1A1 rs3741240 variant downregulates CC16: a molecular insight into COPD pathogenesis in Indian population	Nasima Sultana, Himani Adhikari, Achintya Mohan Goswami, Amalesh Mondal, Indranil Ganai, Himani Biswas, Asif Iqbal, Aratrika Das, Saibal Moitra, Sanjoy Podder	Zoology	Frontiers in Immunology	2025
Investigation the role of ADRB2 rs1042713 and rs1042714 polymorphisms among COPD patients of West Bengal population, India	Nasima Sultana, Indranil Ganai, Saheen Sultana, Himani Adhikari, Arghya Laha, Himani Biswas, Saibal Moitra, and Sanjoy Podder	Zoology	Human Gene	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Functional insights into PTGS2 rs689466 polymorphism associated to asthma in West Bengal, India	Indranil Ganai, Achintya Mohan Goswami, Nasima Sultana, Saheen Sultana, Arghya Laha, Himani Biswas, Saibal Moitra, and Sanjoy Podder	Zoology	Gene	2025
The role of TBXA2R, TGF- β 1 and Il-18 gene polymorphisms in the pathogenesis of pollen induced allergic asthma-a case-control study from West Bengal, India	Priti Mondal, Indranil Ganai, Himani Biswas, Saibal Moitra, and Sanjoy Podder	Zoology	Human Gene	2025
ARTISTIC FEATURES IN THE NOVELS OF LINA HAWYANI AL-HASAN	Dr. Md. Shamim Nizami	Arabic	Hilal Alhind Journal	2024
Professor Badruddin Al-Hafiz and his contribution to the Islamic and Arabic studies	Dr. Md. Shamim Nizami	Arabic	Majallah Kalikoot	2025
Ali Abu Al-Reesh and Narrative Patterns: Influences and Theories	Dr. Md. Shamim Nizami	Arabic	JOURNAL OF THE INDIAN ACADEMY OF ARABIC	2025
Kinetic study of dihydroxy-1,3-indanedione and aspartic acid in gemini (14-s-14) surfactants: a multi-technique approach	Dileep Kumar, Malik Abdul Rub, Abhishek Srivastava, Nazima Sultana, Mihalj Posa, Poonam Sharma, Bidyut Saha, Khalid A Alzahrani, Ajaya Bhattarai	Chemistry	Research on Chemical Intermediates	2025
Advanced reverse micellar extraction: a high-efficiency approach for sustainable removal of Xylenol Orange from wastewater	Aniruddha Pal, Kripasindhu Karmakar, Ratan Sarkar, Sk Meheeb Rahman, Arnab Patra, Bidyut Saha	Chemistry	Tenside Surfactants Detergents	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Unlocking the Catalytic Efficacy of Cationic–Nonionic Mixed Micellar Scaffolds for Oxidative Transformation: Influence of Nonionic Surfactant Tailoring	Mousumi Layek, Priya Karmakar, Sandip Kundu, Sk Mehebab Rahaman, Arnab Patra, Pintu Sar, Udit Das, Bidyut Saha	Chemistry	The Journal of Physical Chemistry B	2025
Gemini 14-s-14 micelle-catalyzed study between ninhydrin and valine reaction by different techniques (spectroscopic and conductometric)	Dileep Kumar, Javed Masood Khan, Nazima Sultana, Mihalj Posa, Poonam Sharma, Bidyut Saha, Ajaya Bhattarai	Chemistry	Chemical Physics	2025
Asymmetric naphthalene Monoimide-based semiconducting Zn (II)-supramolecular Metallohydrogel: a multifunctional material for antibacterial and optoelectronic applications	Pradip Ruidas, Soumi Halder, Subhendu Dhibar, Pritha Chakraborty, Sudipta Saha, Poonam Neogi, Sk Abdul Hafiz, Soumen Kumar Dubey, Ramkrishna Midya, Sk Anisur Rahman, Somendra Singh, Narendra Nath Ghosh, Surajit Das, Bidyut Saha, Suprabhat Mukherjee, Partha Pratim Ray, Angshuman Ghosh, Subham Bhattacharjee	Chemistry	Langmuir	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Development of a Bioactive Supramolecular Cobalt (II)-Metallogel for Antimicrobial and Semiconducting Microelectronic Device Applications	Subhendu Dhibar, Soumi Halder, Suchetana Pal, Dimpal Kumari, Kripasindhu Karmakar, Ratnakar Saha, Subham Bhattacharjee, Aiswarya Mohan, Timothy O Ajiboye, Soumya Jyoti Ray, Sanjay Roy, Somasri Dam, Partha Pratim Ray, Bidyut Saha	Chemistry	Langmuir	2025
Precision-engineered nanomaterials: unlocking the potential of water-in-oil microemulsions for the controlled synthesis, morphology design, and future innovations	Trishna Mandal, Sk Mehebab Rahaman, Nargis Khatun, Arnab Patra, Kripasindhu Karmakar, Prafulla Kumar Mudi, Bidyut Saha	Chemistry	Tenside Surfactants Detergents	2025
A comprehensive spectral study of dye-surfactant complex formation by Xylenol Orange with selective aqueous micellar media of CPC, rhamnolipids and saponin	Aniruddha Pal, Kripasindhu Karmakar, Ratan Sarkar, Sk Mehebab Rahaman, Arnab Patra, Bidyut Saha	Chemistry	Tenside Surfactants Detergents	2025
Fabrication of a supramolecular metallogel from citric acid and Mn (II) ions for improved Schottky barrier diode performance in semiconductor devices	Subhendu Dhibar, Aiswarya Mohan, Saranya Babu, Subham Bhattacharjee, Sangita Some, Soumya Jyoti Ray, Sanjay Roy, Timothy O Ajiboye, Padmanabhan Predeep, Bidyut Saha	Chemistry	Discover Molecules	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Development of two semiconducting supramolecular metallogels of Cd(II)- and Hg(II)-ions from 5-aminoisophthalic acid gelator for high-performance Schottky diodes and advanced microelectronic applications	Subhendu Dhibar, Aiswarya Mohan, Sangita Some, Kripasindhu Karmakar, Saranya Babu, Subham Bhattacharjee, Soumya Jyoti Ray, Lebea N Nthunya, Timothy O Ajiboye, Padmanabhan Predeep, Bidyut Saha	Chemistry	Discover Molecules	2025
Unraveling the Catalytic Dynamics of Mixed Micellar Assemblies: A Molecular Approach to Green Organic Oxidative Transformation Reaction	Priya Karmakar, Sandip Kundu, Mousumi Layek, Sk Mehebab Rahaman, Kripasindhu Karmakar, Bipasha Saha, Mahasweta Nandi, Pintu Sar, Ujjwal Mandal, Bidyut Saha	Chemistry	The Journal of Physical Chemistry B	2025
Recent advances and emerging trends in biosurfactants: a concise review	Kripasindhu Karmakar, Ratan Sarkar, Aniruddha Pal, Sk Mehebab Rahaman, Animesh Acharjee, Bidyut Saha	Chemistry	Journal of Solution Chemistry	2025
Development of two novel supramolecular metallogels of Mn(II) and Zn(II)-ion derived from L-(+) tartaric acid for fabricating light responsive junction type semiconducting diodes with non-ohmic conduction mechanism	Subhendu Dhibar, Arka Dey, Bijaneswar Mondal, Kripasindhu Karmakar, Arpita Roy, Subham Bhattacharjee, Aditi Trivedi, Aiswarya Mohan, Ratnakar Saha, Priyajit Chatterjee, Aniruddha Mondal, Timothy O Ajiboye, Bidyut Saha	Chemistry	Journal of Sol-Gel Science and Technology	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Evaluation of reverse micellar templated nickel carbonate nanospheres: exploration of its role in double-phase inversion Pickering emulsion	Arnab Patra, Sk Mehebur Rahaman, Trishna Mandal, Nargis Khatun, Arindam Nandy, Aniruddha Pal, Sanjay Roy, Soumen Dey, Manab Chakravarty, Bidyut Saha	Chemistry	Research on Chemical Intermediates	2025
Reverse micelle-mediated synthesis of precision-controlled FeS nanospheres and their role in tailored FeS@ PANI nanocomposites	Nargis Khatun, Sk Mehebur Rahaman, Bipasha Saha, Trishna Mandal, Arnab Patra, Mahasweta Nandi, Dileep Kumar, Abhik Chatterjee, Bidyut Saha	Chemistry	RSC advances	2025
Unveiling the role of structure-polarity interplay in non-ionic micellar catalyzed oxidative transformation of isoleucine: towards sustainable oxidation in aqueous media	Priya Karmakar, Mousumi Layek, Kripasindhu Karmakar, Sandip Kundu, Sk Mehebur Rahaman, Nargis Khatun, Arnab Patra, Ujjwal Mandal, Bidyut Saha	Chemistry	New Journal of Chemistry	2025
A supramolecular semiconducting nickel (ii)-metallohydrogel with dual antimicrobial and micro-electronic device applications	Subhendu Dhibar, Aiswarya Mohan, Rajlakshmi Laha, Sangita Some, Priya Kaith, Aditi Trivedi, Subham Bhattacharjee, Lebea N Nthunya, Timothy O Ajiboye, Ashok Bera, Sumit Kumar Panja, Asit Kumar Das, Somasri Dam, Padmanabhan Predeep, Bidyut Saha	Chemistry	RSC advances	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Synergistic catalysis: Ce (iv)-driven oxidation reactions facilitated by micellar composites	Sandip Kundu, Priya Karmakar, Mousumi Layek, Prashanta Pal, Sk Mehebab Rahaman, Mahasweta Nandi, Pintu Sar, Bidyut Saha	Chemistry	New Journal of Chemistry	2025
Investigating the potent antimicrobial properties of a supramolecular Zn (ii)-metallogel formed from an isophthalic acid-based low molecular weight gelator	Subhendu Dhibar, Sangita Some, Suchetana Pal, Rajlakshmi Laha, Priya Kaith, Aditi Trivedi, Subham Bhattacharjee, Lebea N Nthunya, Timothy O Ajiboye, Sumit Kumar Panja, Asit Kumar Das, Ashok Bera, Somasri Dam, Bidyut Saha	Chemistry	RSC advances	2025
Development of a semiconducting supramolecular copper (ii)-metallogel for antimicrobial and microelectronic device applications	Sangita Some, Pubali Das, Suchetana Pal, Subhendu Dhibar, Dimpal Kumari, Subham Bhattacharjee, Soumya Jyoti Ray, Timothy O Ajiboye, Somasri Dam, Partha Pratim Ray, Bidyut Saha	Chemistry	RSC advances	2025
A comprehensive spectral study of dye-surfactant complex formation by Xylenol Orange with selective aqueous micellar media of CPC, rhamnolipids and saponin	Aniruddha Pal, Kripasindhu Karmakar, Ratan Sarkar, Sk Mehebab Rahaman, Arnab Patra, Bidyut Saha	Chemistry	Tenside Surfactants Detergents	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Exploring the efficient antimicrobial applications of a novel supramolecular Hg (ii)-metallogel derived from succinic acid acting as a low molecular weight gelator	Subhendu Dhibar, Suchetana Pal, Sangita Some, Kripasindhu Karmakar, Ratnakar Saha, Subham Bhattacharjee, Dimpal Kumari, Aiswarya Mohan, Timothy O Ajiboye, Soumya Jyoti Ray, Sanjay Roy, Somasri Dam, Bidyut Saha	Chemistry	RSC advances	2025
Sustainable antimicrobial formulations: vitamin-E based emulsions stabilized by plant-derived saponin from Acacia concinna	Wasefa Begum, Rajlakshmi Laha, Sk Mehebur Rahman, Monohar Hossain Mondal, Somasri Dam, Bidyut Saha, Ujjwal Mandal	Chemistry	RSC advances	2025
Investigating the potential of a self-healing semiconducting supramolecular Mg(II)-metallohydrogel in non-volatile memory design and its therapeutic properties towards bacteria infected wound healing	Subhendu Dhibar, Arpita Roy, Priyanka Das, Tuhin Sarkar, Mitabrata Goswami, Sangita Some, Kripasindhu Karmakar, Pradip Ruidas, Subham Bhattacharjee, Timothy O Ajiboye, Anindya Sundar Ray, Keka Sarkar, Soumya Jyoti Ray, Bidyut Saha	Chemistry	Materials Advances	2025
Optimizing homologous alcohol oxidation: elucidating the impact of surfactant-alcohol hydrophobic interaction and micellar surface charge	Mousumi Layek, Sandip Kundu, Priya Karmakar, Sk Mehebur Rahman, Trishna Mandal, Arnab Patra, Arindam Nandy, Manab Chakravarty, Pintu Sar, Bidyut Saha	Chemistry	Research on Chemical Intermediates	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Unveiling the sustainable oxidation approach of homologous alcohols by DPA in a CTAB micellar environment	Sandip Kundu, Mandira Mitra, Priya Karmakar, Sk Mehebab Rahaman, Mousumi Layek, Pintu Sar, Bidyut Saha	Chemistry	RSC Sustainability	2025
An innovative semiconducting Ni (II)-metallogel based robust random access memory (RRAM) device for advanced flexible electronics applications	Arpita Roy, Subhendu Dhibar, Saurav Kumar, Sangita Some, Parul Garg, Pradip Ruidas, Subham Bhattacharjee, Ashok Bera, Bidyut Saha, Soumya Jyoti Ray	Chemistry	Scientific Reports	2024
Unlocking the catalytic potential of anionic micelles: insights into the Ce (IV)-directed phenylalanine oxidation kinetics in asymmetric hydrophobic environments	Priya Karmakar, Mousumi Layek, Sk Mehebab Rahaman, Sandip Kundu, Kripasindhu Karmakar, Arnab Patra, Ujjwal Mandal, Pintu Sar, Bidyut Saha	Chemistry	The Journal of Physical Chemistry B	2024
Sustainable antimicrobial formulations: vitamin-E based emulsions stabilized by plant-derived saponin from <i>Acacia concinna</i>	Wasefa Begum, Rajlakshmi Laha, Sk Mehebab Rahaman, Monohar Hossain Mondal, Somasri Dam, Bidyut Saha, Ujjwal Mandal	Chemistry	RSC advances	2024
A semiconducting supramolecular Co (II)-metallogel based resistive random access memory (RRAM) design with good endurance capabilities	Arpita Roy, Subhendu Dhibar, Saurav Kumar, Kripasindhu Karmakar, Parul Garg, Pradip Ruidas, Subham Bhattacharjee, Ashok Bera, Bidyut Saha, Soumya Jyoti Ray	Chemistry	Scientific Reports	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Engineering the reverse micellar-templated Co(OH) ₂ nanospheres based Pickering emulsion and unveiling the mechanism of ambiguous phase separation	Sk Mehebur Rahaman, Madhuparna Chakraborty, Trishna Mandal, Nargis Khatun, Arnab Patra, Manab Chakravarty, Bidyut Saha	Chemistry	Journal of Molecular Liquids	2024
Characterization of Saponin Extracted from Acacia concinna (Shikakai or Soap Pod) and Thermodynamic Studies of Its Interaction with Organic Dye Rhodamine B	Wasefa Begum, Bidyut Saha, Ujjwal Manda	Chemistry	Chemistry Africa	2024
Effects of calcium and barium chloride salts on the solubility and dissolution thermodynamics of glycine and DL-alanine from 288.15 K to 328.15 K	Sourav Ghosh, Avishek Saha, Mustafa JA Abualreish, Sintu Ganai, Puspall Mukherjee, Kalachand Mahali, AMA Henaish, Bidyut Saha, Simanta Kundu, Sanjay Roy	Chemistry	Journal of Molecular Liquids	2024
Development of a novel self-healing Zn (II)-metallohydrogel with wide bandgap semiconducting properties for non-volatile memory device application	Arpita Roy, Subhendu Dhibar, Kripasindhu Karmakar, Subham Bhattacharjee, Bidyut Saha, Soumya Jyoti Ray	Chemistry	Scientific Reports	2024
Arsenic contamination of groundwater sources and a comparative study of its remediation by various conventional and recent approaches in Nepal	Prithivi Rasaili, Summi Rai, KM Sachin, Bidyut Saha, Ajaya Bhattarai	Chemistry	Vietnam Journal of Chemistry	2024
Organic electrolytes in electrochemical supercapacitors: Applications and developments	Animesh Acharjee, Bidyut Saha	Chemistry	Journal of Molecular Liquids	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Analyzing of L-tryptophan thermodynamics and its solubility in aqueous acetonitrile blends at diverse temperatures	Avishek Saha, Sourav Ghosh, Sintu Ganai, Puspall Mukherjee, Kalachand Mahali, Bidyut Saha, AMA Henaish, Partha Sarathi Guin, Perwez Alam, Sanjay Roy	Chemistry	Biophysical Chemistry	2024
An Effective Supramolecular Zinc Metallohydrogel based RRAM Device for In-memory computing Application	Arpita Roy, Subhendu Dhibar, Bidyut Saha, Soumya Ray	Chemistry	APS March Meeting Abstracts	2024
Exploring the role of mixed micelles and promoters for alcohol oxidation: A green catalytic approach and insights into micellar chemistry	Ratan Sarkar, Kripasindhu Karmakar, Sk Mehebab Rahaman, Sandip Kundu, Aniruddha Pal, Atanu Rakshit, Bula Singh, Rumpa Saha, Animesh Acharjee, Bidyut Saha	Chemistry	Journal of Molecular Liquids	2024
Probing coumarin solubility and solvation energetics in diverse aqueous-organic solutions across a temperature range: A debut exploration	Sintu Ganai, Puspall Mukherjee, Kalachand Mahali, Bidyut Saha, AMA Henaish, Simanta Kundu, Jahangeer Ahmed, Afzal Hussain, Sanjay Roy	Chemistry	Journal of Molecular Liquids	2024
Influence of chain length and concentration-dependent morphological switching on oxidation of aromatic alcohols in a micellar environment	Mousumi Layek, Priya Karmakar, Prashanta Pal, Sk Mehebab Rahaman, Sandip Kundu, Mandira Mitra, Nargis Khatun, Mahasweta Nandi, Pintu Sar, Bidyut Saha	Chemistry	Industrial & Engineering Chemistry Research	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Efficient antimicrobial applications of two novel supramolecular metallogels derived from al (+)-tartaric acid low molecular weight gelator	Subhendu Dhibaris, Suchetana Pal, Sangita Some, Kripasindhu Karmakar, Ratnakar Saha, Subham Bhattacharjee, Arpita Roy, Soumya Jyoti Ray, Timothy O Ajiboye, Somasri Dam, Bidyut Saha	Chemistry	RSC advances	2024
Comprehensive evaluation of non-conventional lanthanum phosphate nanospheres inside water-in-oil microemulsion scaffolds and their utilization in the assessment of surfactant-free TiO ₂ -based Pickering emulsion formulations	Trishna Mandal, Sk Mehebab Rahaman, Bipasha Saha, Nargis Khatun, Arnab Patra, Arnab Mukherjee, Mahasweta Nandi, Debasis Dhak, Sanjay Roy, Bidyut Saha	Chemistry	New Journal of Chemistry	2024
Novel supramolecular luminescent metallogels containing Tb(III) and Eu(III) ions with benzene-1,3,5-tricarboxylic acid gelator: advancing semiconductor applications in microelectronic devices	Subhendu Dhibar, Aiswarya Mohan, Kripasindhu Karmakar, Bijñaneswar Mondal, Arpita Roy, Saranya Babu, Parul Garg, Pradip Ruidas, Subham Bhattacharjee, Sanjay Roy, Ashok Bera, Soumya Jyoti Ray, Padmanabhan Predeep, Bidyut Saha	Chemistry	RSC advances	2024
A Zn (ii)-metal ion directed self-healing wide bandgap semiconducting supramolecular metallohydrogel: Effective non-volatile memory design for in-memory computing	Arpita Roy, Subhendu Dhibar, Kripasindhu Karmakar, Sangita Some, Sk Abdul Hafiz, Subham Bhattacharjee, Bidyut Saha, Soumya Jyoti Ray	Chemistry	Materials Advances	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
A deeper insight into the evaluation of water-in-oil amicroemulsion templated samarium sulfide nanospheres: exploring its role in pickering emulsion formulation for photocatalytic dye degradation and synthesis of PANI@Sm2S3 nanocomposites	Sk Mehebab Rahaman, Nargis Khatun, Prashanta Pal, Trishna Mandal, Arnab Patra, Mahasweta Nandi, Bidyut Saha	Chemistry	Nanoscale advances	2024
A pH switchable Pickering emulsion stabilised by controlled non-conventional lanthanum sulfide nanoparticles, in situ hydrophobized with a cationic surfactant	Sk Mehebab Rahaman, Dinesh Joshi, Arnab Patra, Trishna Mandal, Nargis Khatun, Subhendu Dhibar, Rumpa Saha, Ajay Mandal, Dileep Kumar, Bidyut Saha	Chemistry	New Journal of Chemistry	2024
Insights into the micellar catalysed efficient oxidation of 2- and 3-pentanol by cerium (iv) in a greener medium of SDS and STS	Sandip Kundu, Mousumi Layek, Subhodip Mondal, Mandira Mitra, Priya Karmakar, Sk Mehebab Rahaman, Kalachand Mahali, Animesh Acharjee, Bidyut Saha	Chemistry	New Journal of Chemistry	2024
Degree-based topological indices and total π-electron energies of some benzenoid hydrocarbons: correlations of strain energies and bulk modulus with such indices	Swapnadeep Mondal, Bholanath Mandal	Chemistry	Zeitschrift für Naturforschung A	2025
Atom-bond-connectivity (ABC) indices of graphene sheets, zigzag single walled carbon nanotubes and single walled carbon nanotori	Soukat Ghosh, Uday Maji, Swapnadeep Mondal, Bholanath Mandal	Chemistry	Zeitschrift für Naturforschung A	2024
Revisiting Kassman's path deletion procedure for the eigenvector coefficients of molecular graphs	Madhusree Nag and Bholanath Mandal	Chemistry	Molecular Physics	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Naphthalimide-piperazine conjugate for selective recognition of thorium(IV) through excimer formation	Pallabi Mukherjee, Sukriti Mukherjee, Sudeshna Chatterjee and Debasis Das	Chemistry	Inorganica Chimica Acta	2024
A new manganese complex for nano-molar recognition of AsO ₂ -ion via turn-ON fluorescence: DFT studies, and catecholase like activity of the complex	Sudeshna Chatterjee, Somnath Khanra, Pallabi Mukherjee, Sukriti Mukherjee and Debasis Das*	Chemistry	ChemistrySelect	2024
Tuning the Structures of Amide-Imine Conjugates for Sequential Optical Recognition of Mo(VI) and AsO ₂ - Ions	Somnath Khanra, Sisir Lohar and Debasis Das*	Chemistry	ChemistrySelect	2024
Subtle structural variation of antipyrone derivatives for ESIPT based fluorescence recognition of Al ³⁺ and Zn ²⁺ ions	Somnath Khanra, Pritam Ghosh and Debasis Das*,	Chemistry	Inorganica Chimica Acta	2024
Anti-cancer and anti-angiogenic activities of some synthetic Ni(II) thiosemicarbazone complexes	C Biswas, V Vijayan, S J Panda, C S Purohit, M S Kiran and R Ghosh	Chemistry	Polyhedron	2024
The emission test for qualitative detection of tin(II): a plausible mechanistic insight	R Ghosh	Chemistry	Resonance	2024
Catecholase and phenoxazinone synthase activities of two structurally characterized mononuclear complexes [Cu(L)(NCS)(ClO ₄)] and [Zn(L)(NCS) ₂] [L = N,N-diethyl-2-((phenyl(pyridine-2-yl)methene)amino)-ethan-1-amine],	I Ray Chowdhury, A Chatterjee, A Mahanta, S Jasimuddin, R Ghosh	Chemistry	Inorganica Chimica Acta	2024
Insights into the selective anticancer activity of [SnIV(L)(Cl) ₂ (OH) ₂] [L = (E)-N,N-diethyl-2-(2-hydroxy-3-methoxybenzylidene)hydrazinecarbothio-amide] at thiosemicarbazone appended tin(IV) site	T Chattopadhyay, C Biswas, S Sree Kumar, M. S. Kiran, R. Ghosh	Chemistry	Inorg Chem Commun	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Phosphatase-like activity of a newly synthesized and structurally characterized Zn(II) complex [ZnII2(L)(NCS)2] [LH2 = a Schiff base] in water and DMSO-water solvent systems	I Ray Chowdhury, S Samanta, Sakshi, A Roy Choudhury, R Ghosh	Chemistry	Inorganica Chimica Acta	2025
Metal induced selective anticancer activity of [VV(L')O2] [L' = (1Z, N'E)-N-phenyl-N'-(1-(pyridin-2-yl)ethylidene)carbamohydrazonothioate] at thiosemicarbazone appended dioxovanadium(V) site	T. Chattopadhyay, M. Thangasornaraja, C. Biswas, S. K. Agrawalla, C. S. Purohit, M. S. Kiran	Chemistry	Inorg Chem Commun	2025
Synthesis of high temperature resistant and optically transparent Al-O-N material with the help of different additives by reaction sintering.an Overview	Gouranga Saha, Sourajit Banerjee, Tanmoy Das	Chemistry	Exploratory Materials Science Research	2024
Spectroscopic Characterization (AAS, XPS, UV) of Glass-Derived Fertilizers and Their Agronomic Potential in Sesame	GOURANGA SAHA, TANMOY DAS and GOUTAM HAZRA	Chemistry	Material Science Research India	2025
Anti-respiratory syncytial virus and anti-herpes simplex virus activity of chemically engineered sulfated fucans from <i>Cystoseira indica</i>	Subrata Jana, Andre Luiz Dyna, Saikat Pal, Shuvam Mukherjee, Isabella Maria Tomaz Bissochi, Sueli Fumie Yamada-Ogatta, Maria Laura Goussain Darido, Danielle Bruna Leal Oliveira, Edison Luiz Durigon, Bimalendu Ray, Ligia Carla Faccin-Galhardi, Sayani Ray	Chemistry	Carbohydrate Polymers	2024
.Sulfated xylogalactofucans from <i>Spatoglossum asperum</i> : Production, structural features and antiviral activity	Shuvam Mukherjee, Mathias E Chemen, Saikat Pal, Luana E Piccini, Subrata Jana, Elsa B Damonte, Bimalendu Ray, Cybele C Garcia, Sayani Ray	Chemistry	Carbohydrate Research	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Synthesis of tamarind seed xyloglucan-gallic acid conjugate: Characterization, properties, and assessment of antioxidant activity	Saikat Pal, Tanmoy Sen, Satyabrata Pal, Sadhana Khawas, Sayani Ray	Chemistry	International Journal of Biological Macromolecules	2025
Synthesis of bioactive 1, 2, 3-triazole-fused macrocycles via azide-alkyne cycloaddition	Nasrin Jahan, Arkadip Pal, Inul Ansary	Chemistry	SynOpen	2024
An informative review on green synthesis of reduced graphene oxide by phytoextracts	Bapan Bairy, Subrata Maity, Piu Das, Kartik Tantubay, Moni Baskey Sen	Chemistry	Nano	2024
Utilization of copper chromite-reduced graphene oxide nanocomposite for the wastewater remediation and effective supercapacitive performance	Piu Das, Subrata Maity, Bapan Bairy, Sayani Saha, Sanjukta Ghosh, Arpita Dutta, Abu Jahid Akhtar, Moni Baskey	Chemistry	Diamond and Related Materials	2024
Exploring the Impact of Ni Doping in Tuning the Bandgap, Electronic, Optoelectronic and Photocatalytic Properties of ZnFe ₂ O ₄	Karabi Chatterjee, Anupam Gorai, Swarnali Hait, Subrata Maity, Moni Baskey Sen, Arpita Dutta, Riya Nag, Abhijit Bera, Sanjit Sarkar, Sudip K Saha, Abu Jahid Akhtar	Chemistry	ChemNanoMat	2024
Evaluation of catalytic and cytotoxic behaviors of Bismuth oxide-reduced graphene oxide nanocomposites synthesized by Swietenia macrophylla plant extract	Bapan Bairy, Kanchana Das, Subrata Maity, Moutushi Mandi, Parnab Bhabak, Moni Baskey Sen	Chemistry	Graphene and 2D Materials	2024
Understanding the multiple applications of reduced graphene oxide-bixbyite type (MnFe)₂O₃ nanocomposite: adsorbent, antioxidant and antimicrobial properties	Subrata Maity, Bapan Bairy, Sayani Saha, Sourav Bhowmick, Parnab Bhabak, Rajlakshmi Laha, Somasri Dam, Moni Baskey Sen	Chemistry	Nanotechnology for Environmental Engineering	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Regulatory principles, parameters and probe design to ascertain the interconnection between ICT, ESIPT and PET mechanisms	A. Mondal, P. Mondal and P. Chattopadhyay	Chemistry	Inorg. Chim. Acta	2024
Hard-Soft Acid-Base Theory Explains Photoexcited Carrier Dynamics in Porphyrin/CNT Nanohybrids: Time-Domain Atomistic Analysis	U. Chowdhury, S. Mondal, S. Dey, Md Habib, R. Sarkar, S. Gumber, P. Chattopadhyay, P. Sarkar, O. Prezhdo, S. Pal	Chemistry	J. Am. Chem. Soc.	2025
Decrypting the hydrogen evolution in alkaline water with novel magnetoactive cobalt (ii) complex-driven cobalt oxide electrocatalysts	Subhajit Saha, Nilankar Diyali, Sangharaj Diyali, Subhra Jyoti Panda, Mainak Das, Sobhna Acharya, Prafulla Kumar Mudi, Monika Singh, Partha Pratim Ray, Chandra Shekhar Purohit, Bhaskar Biswas	Chemistry	Dalton Transactions	2024
Synthesis, kinetics, mechanisms, and	Anwasha Dey, Ramesh Kumar, Bhramar Dutta, Rajib Bandopadhyay, Sankha Chakraborty, Moonis Ali Khan, Rijuta Ganesh Saratale, Ganesh Dattatraya Saratale, Byong Hun Jeon and Alak K. Ghosh	Chemistry	RSC Adv	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Advancing pharmaceutical wastewater treatment: A comprehensive review on application of catalytic membrane reactor-based hybrid approaches	Ramesh Kumar, Elinah Awinoob, Dorcas Wanja Njerib, Aradhana Basu, Sujoy Chattaraj, Jayato Nayak, Snehagni Roy, Gausal A. Khan, Byong Hun Jeon., Alak Kumar Ghosh, Shrabana Pal, Shirsendu Banerjee, Prabhat Rout, Sankha Chakraborty, Suraj K. Tripathy	Chemistry	Journal of Water Process Engineering	2024
Technological advancements in the pretreatment of lignocellulosic biomass for effective valorization: A review of challenges and prospects	Prasenjit Chakraborty, Ramesh Kumar, Sankha Chakraborty, Shouvik Saha, Sujoy Chattaraj, Somagni Roy, Avishek Banerjee, Suraj K. Tripathy, Byong-Hun Jeon, and Alak Kumar Ghosh	Chemistry	Journal of Industrial and Engineering Chemistry	2024
Advancing biorefineries with ultrasonically assisted ionic liquid-based	Prasenjit Chakraborty, Ramesh Kumar, Avishek Banerjee, Sankha Chakraborty,	Chemistry	Biomass and Bioenergy	2025
Emerging approaches on biomass and water-based hydrogen production and downstream recovery pathways: a review on recent challenges and prospects elignification: Optimizing biomass processing for enhanced bio-based product yields	Madhubonti Pal, Anuradha Upadhyaya, Somnath Chowdhury, Moonis Ali Khan, Byong-Hun Jeon, Suraj K. Tripathy, Alak Kumar Ghosh	Chemistry	Rev. Environ. Sci. Biotechnol.	2025



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Zinc porphyrine: An efficient receptor for N-methylfulleropyrrolidine	Goutam Krishna Das, Subrata Nayak, Shalmali Bhattacharya, Shrabanti Banerjee, Suravi Paul and Sumanta Bhattacharya	Chemistry	Journal of Porphyrins and Phthalocyanines	2025
Physicochemical insights on the extraordinary binding of CdSeS/ZnS quantum dots with zinc porphyrine studied in solution	Subhendu Dey, Sanyukta Bhattacharjee, Shalmali Bhattacharya, Shrabanti Banerjee and Sumanta Bhattacharya	Chemistry	Journal of Porphyrins and Phthalocyanines	2025
Supramolecular interaction between N-methylfulleropyrrolidine and porphyrine studied in solution	Goutam Krishna Das, Subrata Nayak, Shalmali Bhattacharya, Shrabanti Banerjee, Suravi Paul and Sumanta Bhattacharya	Chemistry	Journal of Porphyrins and Phthalocyanines	2024
Study of complexation and energy transfer phenomena in core/shell quantum dots-tetraphenyl porphyrin systems in solution	Somnath Nayek, Subrata Nayak, Sumanta Bhattacharya, Sanyukta Bhattacharjee and Shalmali Bhattacharya	Chemistry	Journal of Porphyrins and Phthalocyanines	2024
Exploring the chemical physics in tetraphenylporphyrin-N-methylfulleropyrrolidine supramolecular complex by spectroscopic investigations and quantum chemical calculations	Shiv Sankar Saha, Subrata Nayak, Shalmali Bhattacharya, Suravi Paul, Shrabanti Banerjee and Sumanta Bhattacharya	Chemistry	Chemical Physics	2024



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Spectroscopic and quantum chemical insights on supramolecular interaction between N-methylfulleropyrrolidine and designed porphyrins in solution	Shiv Sankar Saha, Subrata Nayak, Shalmali Bhattacharya, Shrabanti Banerjee and Sumanta Bhattacharya	Chemistry	Chemical Physics Letters	2024
8. Chemical physics behind Tetraphenylporphyrin-PC70BM interaction in solution: Charge transfer, non-covalent binding and photoactive properties	Subrata Nayak, Shalmali Bhattacharya, Viki Bhakta and Sumanta Bhattacharya	Chemistry	Chemical Physics Letters	2024
Measuring the Progress of Organic Farming in Indian States: Are there any Agro-climatic Implications?	Koner, N. & Laha, A.	Commerce	Journal of Tekirdag Agricultural Faculty	2024
Estimating Marketing Efficiency of Organic Farmers: Evidence from Districts of West Bengal, India	Koner, N. & Laha, A.	Commerce	International Journal of Rural Management.	2024
Macroeconomic and microeconomic determinants of the profitability of Indian manufacturing firms	Maji, S, Laha, A, & Sur, D	Commerce	International Journal of Business and Globalisation	2024
Role of Social Enterprise in Open Sustainable Innovation: Evidence from the Organic Food Supply Chain in West Bengal (India)	Koner, N., Laha, A., & Koner, K	Commerce	Small Enterprises Development, Management & Extension.	2024
Energy-related financial literacy and energy consumption: a study of residential households in West Bengal	Maji, S.K. and Chakraborty	Commerce	International Journal of Energy Sector Management	2024
Effect of Financial Literacy and Financial Confidence on the Financial Discipline of Farmers: Evidence from West Bengal, India	Das, S. & Maji, S. K.	Commerce	Management Matters	2025
How Financially Literate Are Indian Muslims? An Investigation	Molla, S.A., & Maji, S.K.	Commerce	Journal of Islamic Accounting and Business Research	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Overconfidence in Financial Literacy and its Determinants: The Indian Scene	Maji, S.K.	Commerce	IIM Kozhikode Society and Management Review	2025
Present bias and its influence on financial behaviours amongst Indians	Maji, S.K. and Prasad, S.	Commerce	IIM Ranchi Journal of Management Studies	2025
Macroeconomic and microeconomic determinants of the profitability of Indian manufacturing firms	Maji, S, Laha, A, & Sur, D	Commerce	International Journal of Business and Globalisation	2024
Linking Decent Work, Survival Needs And Workforce Physical Health: A Psychology Of Working Theory Approach	DasGupta, M., & Majumder, S.	Commerce	Journal of Organisation and Human Behaviour	2024
Envisioning Thematic Insights On Entrepreneurial Sustainable Practices Towards Scalability: A Bibliometric Analysis	DasGupta, M., & Shaw, S	Commerce	Research Bulletin	2025
Mapping the Knowledge Structure and Thematic Trend of Entrepreneurial Scalability in the light of Sustainable Business Practice: A Bibliometric Analysis	DasGupta, M., & Shaw, S.	Commerce	Indian Accounting Review	2025
Identifying the factors of scalability in entrepreneurial periphery by categorical principal component analysis (CATPCA)	DasGupta, M., & Shaw, S.	Commerce	Journal of Global Entrepreneurship Research	2025
Decent Work, Mental Health Wellbeing and Job Satisfaction: Evidence from Women Brickfield Workers, West Bengal	DasGupta, M., & Majumder, S.,	Commerce	Empirical Economics Letters	2025
Linking decent work-derived general health well-being and workers' participation in health care practices: a SEM-LOGIT model on brickfield	DasGupta, M., & Majumder, S	Commerce	Rajagiri Management Journal	2025
Green Bond and Sustainability: Envisioning Knowledge Foundation and Thematic Trend through Bibliometric Analysis	DasGupta, M., Shaw, S., Majumder, S. & Dey, S	Commerce	Tanz Research Journal	2025



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Thematic Knowledge Trend and Intellectual Structure on Scalability in Entrepreneurial Periphery: A Bibliometric Analysis.	DasGupta, M. & Shaw, S.	Commerce	Journal of Informatics Education and Research	2025
What Factors do Motivate Entrepreneurial Participation in Handloom Sector? An Alderfer's ERG Theory Approach to Women Weavers of West Bengal.	DasGupta, M. & Shaw, S	Commerce	Empirical Economics Letters	2025
Navigating Sustainable Finance in India: Regulatory Framework, Market Trends and Future Pathways	Sur, D. & Yadav, R.	Commerce	Amity Business Review	2024
Do artificial intelligence investment, energy transition, and agriculture productivity affect carbon footprint? Evidence from panel data analysis of BRICS countries	Makur, P. and Sur, D.	Commerce	Journal of Electronic Business & Digital Economics	2025
Does Unemployment Affect Banking Performance? A Case Study of Indian Commercial Banks	Sarkar.S & Rakshit.D	Commerce	Economics Frontiers of Finance	2024
Navigating the evolution: a comprehensive review of sustainable finance in mergers and acquisitions	Mondal.S, Rakshit.D, Jee.K & Tiwari.S.C	Commerce	F1000Research, Taylor & Francis	2025
Do sustainable practices influence value creation through acquisition? An analysis of Indian industries	Mondal.S, Rakshit.D, Anamika, Tiwari.S.C & Jee.K	Commerce	Asian Economic and Financial Review	2025
Customers' Adoption and Satisfaction of E-Wallet and UPI Payment System: Evidence from India and Bangladesh	Gupta, N, Mukherjee, J, Das, A, and Roy,	Commerce	Journal of Commerce and Accounting Research	2024
Navigating Environmental, Social and Governance (ESG) Landscape in India; Roles, Challenges and The Path Ahead for Management Accountants	Biswas, A, Das, A, Khatua, S and Mitra, A	Commerce	International Journal of Accounting and Accounting Studies	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Do the Environmental, Social and Governance (ESG) practices help mitigate bank default risk?", Journal of Environmental Management	Biswas, A, Das, A, Tiwari, A. K. and Patro, A	Commerce	Journal of Environmental Management	2025
Resilience of the Indian Family System in the Era of Decay	Anil Kumar Biswas	Political Science	ShaishikManthan	2024
National Education Policy 2020 Owing to Unnat Bharat	Anil Kumar Biswas	Political Science	ShaishikManthan	2024
Rural Governance in Fifth Schedule Areas: A Constitutional Guarantee for Social Justice and Equality	Anil Kumar Biswas	Political Science	ShaishikManthan	2024
Indian Way of Sustainable Environment:A Study of the Piplantri Model of Rajasthan	Anil Kumar Biswas	Political Science	ShaishikManthan	2025
Fundamental Reforms in School Education in India under National Education Policy 2020	Anil Kumar Biswas	Political Science	ShaishikManthan	2025
Institutional Safeguards under Human Rights Protection Initiatives in India: An Analysis	Anil Kumar Biswas	Political Science	Bengal Institute of Political Studies	2025
From Political Dogma to Foreign Policy: Remapping Mao Zedong	Anil Kumar Biswas	Political Science	Historical Archaeology and Anthropological Sciences	2025
'Unpaid Carework: Women in India'	Arundhati Bhattacharyya	Political Science	Bharatiya Manyaprad: International Journal of Indian Studies	2024
Harmony or Dominance: Exploring the Complex Dynamics of India-Bangladesh Water Relations	Kajol Gupta, Arundhati Bhattacharyya, Keshav Kant Prasad	Political Science	World Affairs	2025
Celebrating the Dionysius	Arijit Bhattacharyya	Political Science	Inquest	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Elevating security and disease forecasting in smart healthcare through artificial neural synchronized federated learning	Tao Hai, Arindam Sarkar, Muammer Aksoy, Rahul Karmakar, Sarbajit Manna, Amrita Prasad	Computer Science	Cluster Computing, Springer Nature	2024
Efficacy of Ensemble Learning Method over Individual Classifier for Rainfall Forecasting in Eastern India	Rahul Karmakar, Saranagta Kundu, Saroj Kumar Biswas, Deeksha Tripathi	Computer Science	Journal of The Institution of Engineers (India): Series B, Springer Nature	2024
A graphical tool for formal verification using Event-B modeling	Rahul Karmakar	Computer Science	Multimedia Tools and Applications, Springer Nature	2024
FMSG: a framework for modeling and verification of a smart grid	Rahul Karmakar, Payel Bera, Saheli Dutta	Computer Science	Sādhanā, Springer Nature	2024
Secured mutual wireless communication using real and imaginary-valued artificial neuronal synchronization and attack detection	Chengzhi Jiang, Arindam Sarkar, Abdulfattah Noorwali, Rahul Karmakar, Kamal M Othman, Sarbajit Manna	Computer Science	Engineering Applications of Artificial Intelligence, Elsevier	2024
GAN-guided artificial neural collaborative complex computation for efficient neural synchronization	Arindam Sarkar, Rahul Karmakar, Mandira Roy	Computer Science	Multimedia Tools and Applications, Springer Nature	2024
Breast Cancer Prediction using Stacking Models & Hyperparameter Tuning	Rahul Karmakar, Akhil Kumar Das, Debapriya Sarkar, Saroj Kumar Biswas, Ardhendu Mandal, Arijit Bhattacharya	Computer Science	Inteligencia Artificial	2025
Enhancing identity and access management using hyperledger fabric and oauth 2.0: A block-chain-based approach for security and scalability for healthcare industry	Shrabani Sutradhar, Sunil Karforma, Rajesh Bose, Sandip Roy, Sonia Djebali, Debnath Bhattacharyya	Computer Science	Internet of Things and Cyber-Physical Systems	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Potato Leaf Disease Detection Using YOLOv8n with a Handheld Device	Simanta Hazra, Sunil Karforma, Debasis Chakraborty, Sayantani Chakraborty, Sandip Haldar	Computer Science	International Journal of Microsystems and IoT	2024
A hybrid approach for water body identification from satellite images using NDWI mapping and histogram of gradients	Tanmoy Halder, Debasish Chakraborty, Ramen Pal, Sunita Sarkar, Somnath Mukhopadhyay, Nishtha Roy, Sunil Karforma	Computer Science	Innovations in Systems and Software Engineering	2024
Telecardiology in “New Normal” COVID-19: Efficacy of Neuro-Metaheuristic Session Key (NMSK) and Encryption Through Bipartite New State-of-Art Sharing	Joydeep Dey, Anirban Bhowmik, Sunil Karforma	Computer Science	Wireless Personal Communications	2024
The use of chaotic pseudo random number and elliptic curve cryptosystem in an efficient OTP-based authentication scheme for online learning system	Anirban Panja, Sunil Karforma, Soumen Mondal	Computer Science	International Journal of Information Technology	2024
ICSPRNG: Ikeda assisted cryptographically secure Pseudo random number generator	Subhajit Adhikari, Anirban Panja, Sunil Karforma	Computer Science	Multimedia Tools and Applications	2025
Global positioning system: a framework of cryptosystem for electoral data security in election	Anirban Bhowmik, Sunil Karforma	Computer Science	International Journal of System Assurance Engineering and Management	2025
CTEA: Chaos based tiny encryption algorithm using ECDH and TinkerBell map for data security in supply chain management	Dulal Kumbhakar, Subhajit Adhikari, Sunil Karforma	Computer Science	Multimedia Tools and Applications	2025
An Effective Deep Learning Approach for Handwritten Ol Chiki Character Recognition	Sumanta Daw, Dr. Abhoy Chand Mondal	Computer Science	International Journal for Multidisciplinary Research	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
An Adept Approach Towards Soil Productivity Detection Using Convolutional Neural Network Based Model	Saikat Banerjee, Dr. Abhoy Chand Mondal	Computer Science	International Journal of ADVANCED AND APPLIED SCIENCES (IJAAS)	2024
An Intelligent Approach towards Plant Leaf Disease Detection through Different Convolutional Neural Networks	Saikat Banerjee, Dr. Abhoy Chand Mondal	Computer Science	International Journal of Intelligent Systems and Applications in Engineering	2024
Plant Leaf Disease Detection by Deep Learning: A Literature Review	Soumitra Das, Saikat Banerjee, Abhoy Chand Mondal.	Computer Science	International Journal of Scientific Research and Publications (IJSRP)	2024
Detection of Diabetes using Machine learning algorithms and Simple Additive Weighting(SAW)	SK Anamul Hoda, Dr. Abhoy Chand Mondal	Computer Science	International Journal of Computer Vision	2024
An Innovative Approach Involves Machine Learning Algorithms to Forecast Future Farmer Revenue	Saikat Banerjee, Dr. Abhoy Chand Mondal	Computer Science	International Journal of Electrical and Electronics Engineering – IJEEE	2024
Prostate Cancer Detection using Machine Learning algorithms	SK Anamul Hoda, Dr. Abhoy Chand Mondal	Computer Science	International Journal of Scientific and Research Publications	2024
Nutritional Content Detection Using Vision Transformers-An Intelligent Approach	Saikat Banerjee, Dr. Abhoy Chand Mondal	Computer Science	International Journal of Innovative Research in Engineering and Management (IJIREM)	2024
A Survey on Genetic Inherited Cancer Detection in Human using Machine Learning	SK Anamul Hoda, Dr. Abhoy Chand Mondal	Computer Science	International Journal of Creative Research Thoughts	2024
A sophisticated approach to soil productivity detection using a convolutional neural network-based model	Saikat Banerjee, Dr. Abhoy Chand Mondal	Computer Science	International Journal of Advanced and Applied Sciences	2024



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An MCDM Approach for Enhancing Breast Cancer Diagnosis Using AHP and Bidirectional RNN with Bayesian Optimization	SK Anamul Hoda, Dr. Abhoy Chand Mondal	Computer Science	Journal of Clinical Cases & Reports	2024
A study of the application domain of a large language models in the agricultural sector	Saikat Banerjee, Soumitra Das, Dr. Abhoy Chand Mondal	Computer Science	International Journal of Innovative Research in Computer Science and Technology	2024
Ol-Chiki Language Translator - A Deep Learning Approach	Sumanta Daw, Dr. Abhoy Chand Mondal	Computer Science	International Journal of Intelligent Systems and Applications in Engineering (IJISAE)	2024
Forecasting Organic Crops Based on Machine Learning Algorithms	Saikat Banerjee, Debasmita Palsani, Dr. Abhoy Chand Mondal	Computer Science	International Journal of Innovative Research in Engineering and Management (IJIREM)	2024
Classification of Healthy and Diseased Broccoli Leaves Using a Custom Deep Learning CNN Model	Saikat Banerjee, Soumitra Das, Dr. Abhoy Chand Mondal,	Computer Science	International Journal of Innovative Research in Computer Science and Technology (IJRCST)	2024
An intelligence technique for route distance minimization to store and marketize the crop using computational optimization algorithms	Saikat Banerjee, Dr. Abhoy Chand Mondal	Computer Science	Scientific Reports	2025
Studies of sentiment analysis for stock market prediction using machine learning: a survey towards new research direction	Joyeta Chandra, Dr. Abhoy Chand Mondal	Computer Science	Scholars Journal of Engineering and Technology	2025
Studies of Cancer Prediction Using Machine Learning: A Survey	Sonali Mondal Das, Dr. Abhoy Chand Mondal	Computer Science	Scholars Journal of Engineering and Technology	2025



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Seasonality In Stock Market Prediction: Insights From Statistical, Machine Learning, And Deep Learning Models	Joyeta Chandra, Dr. Abhoy Chand Mondal	Computer Science	International Journal of Creative Research Thoughts	2025
Stage-Specific Survival Prediction In Breast Cancer: A Survey	Sonali Mondal Das, Dr. Abhoy Chand Mondal	Computer Science	International Journal of Creative Research Thoughts	2025
Dibutyl phthalate degradation by Paenarthrobacter ureafaciens PB10 through downstream product myristic acid and its bioremediation potential in contaminated soil.	Mondal, T., Mondal, S., Ghosh, S.K., Pal, P., Soren, T. and Maiti, T.K.	Botany	Chemosphere	2024
Plant growth-promoting Bacillus cereus MCC3402 facilitates rice seedling growth under arsenic-spiked soil	Pallab Kumar Ghosh, Krishnendu Pramanik, Kalyan Mahapatra, Sayanta Mondal, Sudip Kumar Ghosh, Antara Ghosh, Tushar Kanti Maiti	Botany	Biocatalysis and Agricultural Biotechnology	2024
Molecular and eco-physiological responses of soil-borne lead (Pb ²⁺)-resistant bacteria for bioremediation and plant growth promotion under lead stress	Priyanka Pal, Krishnendu Pramanik, Sudip Kumar Ghosh, Sayanta Mondal, Tanushree Mondal, Tithi Soren, Tushar Kanti Maiti	Botany	Microbiological Research	2024
Redox interactome status, metabolic and transcriptional reprogramming associated with longevity phenotypes as seed viability markers in natural and accelerated aged seeds of indigenous aromatic rice cultivars.	Pal B, Bhattacharjee S	Botany	Journal of Plant Growth Regulation (Springer Nature)	2024



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Gibberellic acid treatment improved seed germination and seedling establishment in <i>Tinosporacordifolia</i> (Willd.) Hook. F. and Thoms.	Bhadra M, Mondal S, Das A, Bandyopadhyay A.	Botany	Journal of Applied Biology & Biotechnology	2024
First report of <i>Aspergillus niger</i> causing leaf spot disease on <i>Tinospora cordifolia</i> in India	Bhadra M, Sarkar T, Bandyopadhyay A	Botany	Journal of Plant Pathology	2024
An insight into the bactericidal and phytochemical properties of leaf extract of <i>Vernonia squarrosa</i> and understanding antibacterial activity by molecular docking	Das, A., Burman, S., Das, C., Bhadra, M., Mondal, S., Rakshit, P., Chandra, G., & Bandhyopadhyay, A	Botany	Pharmacological Research - Modern Chinese Medicine	2024
Screening of Prospective Antiallergic Compound as Fc γ RI Inhibitors and Its Antiallergic Efficacy Through Immunoinformatics Approaches	Laha, A., Sarkar, A., Panja, A.S. and Bandopadhyay, R.	Botany	Molecular Biotechnology	2024
Genome-based characterization of the deep-sea psychrotolerant bacterium <i>Bacillus altitudinis</i> SORB11 isolated from the Indian Sector of the Southern Ocean	Halder, U., Biswas, R., Shaw, R., Chitikineni, A., Varshney, R.K. and Bandopadhyay, R.	Botany	Polar Biology	2024
Synthesis of hot spring origin bacterial cell wall polysaccharide-based copper nanoparticles with antibacterial property	Banerjee, A., Roy, R.K., Sarkar, S., López, J.L., Vuree, S. and Bandopadhyay, R.,	Botany	Electronic Journal of Biotechnology	2024
Efficacious use of <i>Micrococcus yunnanensis</i> GKSM13 for the growth of rice seedlings under copper stress with elucidation into genomic traits	Majhi, K., Let, M. and Bandopadhyay, R.	Botany	Current Plant Biology	2024
Bacterial Polysaccharide-Stabilized Silver Nanoparticles Photocatalytically Decolorize Azo Dyes	Sarkar, S., Banerjee, A. and Bandopadhyay, R	Botany	Applied Biochemistry and Biotechnology	2024



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Insight into the genome of an arsenic loving and plant growth-promoting strain of <i>Micrococcus luteus</i> isolated from arsenic contaminated groundwater	Kabiraj, A., Halder, U., Chitikineni, A, Bandopadhyay, R	Botany	Environmental Science and Pollution Research	2024
Revealing the defluoridation efficacy of a ureolytic bacterium <i>Micrococcus yunnanensis</i> MLN22 through MICP driven biomineralization for sustainable groundwater development	Let, M., Majhi, K., De, A., Bandopadhyay, R	Botany	Environment, Development and Sustainability	2024
A Report of the Mangrove Biodiversity Exploration and Restoration Training Workshop at Sundarban, West Bengal on December 27–31, 2023	Dutta, B., Das, T., Rode, M, Bandopadhyay, R	Botany	National Academy Science Letters	2024
Isolation and Characterization of Arsenic-Tolerable Bacteria from Groundwater and Their Implementation on Rice Seedling's Shoot and Root Enhancement	Kabiraj, A., Halder, U. and Bandopadhyay, R.	Botany	Current Microbiology	2024
Computational and biochemical characterization of the immobilized esterase of <i>Salinicoccus roseus</i> for pesticide degradation	Dutta, B., Panja, A.S., Nigam, V.K., Nanjappan, S.K., Ravichandiran, V. and Bandopadhyay, R.	Botany	Scientific Reports	2024
Synthesis, kinetics, mechanisms, and bioactivity evaluations of a novel Zn (ii) complex	Dey, A., Kumar, R., Dutta, B., Bandopadhyay, R., Chakraborty, S., Khan, M.A., Saratale, R.G., Saratale, G.D., Jeon, B.H. and Ghosh, A.K	Botany	RSC advances	2024
Letotypification of the name <i>Sonneratiaapetala</i> (Lythraceae)	Mondal, S. &Naskar, S.	Botany	Phytotaxa	2024
Screening of Prospective Antiallergic Compound as FcεRI Inhibitors and Its Antiallergic Efficacy Through Immunoinformatics Approaches	Laha, A., Sarkar, A., Panja, A. S., &Bandopadhyay, R.	Botany	Molecular Biotechnology	2024



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Genome-based characterization of the deep-sea psychrotolerant bacterium <i>Bacillus altitudinis</i> SORB11 isolated from the Indian Sector of the Southern Ocean.	Halder, U., Biswas, R., Shaw, R., Chitikineni, A., Varshney, R. K., & Bandopadhyay, R.	Botany	Polar Biology	2024
Synthesis of hot spring origin bacterial cell wall polysaccharide-based copper nanoparticles with antibacterial property	Banerjee, A., Roy, R. K., Sarkar, S., López, J. L., Vuree, S., & Bandopadhyay, R.	Botany	Electronic Journal of Biotechnology	2024
Efficacious use of <i>Micrococcus yunnanensis</i> GKSM13 for the growth of rice seedlings under copper stress with elucidation into genomic traits	Majhi, K., Let, M., & Bandopadhyay, R.	Botany	Current Plant Biology	2024
Light Microscopic and Scanning Electron Microscopic Techniques to Characterize Nutlets of Some Indian Cyperoideae (Cyperaceae) and Their Taxonomic Significance	Subrata Majumder, Pooja Rajak, Vikram Kumar Das, Usha Das, Asima Mandal & Asok Ghosh	Botany	Microscopy Research and Technique	2024
Rediscovery of <i>Erigeron jaeschkei</i> (Asteraceae: Astereae: Conyzinae) and notes on its correct protologue and typification	Kasturi Chakraborty, Bandana Bhattacharya, Asok Ghosh, Avishek Bhattacharya	Botany	Phytotaxa	2024
SOG1 and BRCA1 Interdependently Regulate RAD54 Expression for Repairing Salinity-Induced DNA Double-Strand Breaks in <i>Arabidopsis</i>	Kalyan Mahapatra and Sujit Roy	Botany	Plant and Cell Physiology	2024
The Negative Impact of Prolonged Desiccation on the Recovery of <i>Selaginella bryopteris</i> : Insights Into Autophagy and Cellular Protection Strategies	Jose J, Amiben L, Girish BP, Sen K, Prasad TNVKV, Roy S, Roy Choudhury S	Botany	Plant Cell Environ.	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
A nuclear WD40 repeat protein PRL1 regulates stability of MYB4 transcription factor in Arabidopsis	Mehali Mitra, Samrat Banerjee, Bhagath Kumar Palaka, Swarup Roy Choudhury and Sujit Roy	Botany	Current Plant Biology	2024
MYB4, a member of R2R3-subfamily of MYB transcription factor functions as a repressor of key genes involved in flavonoid biosynthesis and repair of UV-B induced DNA double strand breaks in Arabidopsis	Samrat Banerjee, Puja Agarwal, Swarup Roy Choudhury, Sujit Roy	Botany	Plant Physiology and Biochemistry	2024
Drought stress tolerance in rice: a critical insight.	Choudhury D, Mukherjee C, Dey S, Dutta S.	Botany	Plant Science Today	2024
Bacillus cereus: an effective bioinoculant for promoting salt stress tolerance of rice seedlings under saline soil conditions.	Choudhury D, Dey S, Mukherjee C, Datta S, Dutta S.	Botany	Plant Science Today	2024
Applications of Plant Growth Promoting Bacteria (PGPB) and Vesicular Arbuscular Mycorrhizal (VAM) Fungi on Aloe barbadensis Mill., a Medicinally Important Succulent Herb.	Dey, S., Choudhury, D., Mukherjee, C. and Dutta, S.	Botany	Agricultural Science Digest	2024
A Sustainable Holistic Approach of Hydroponic Farming for Reclaiming, and Rehabilitating Wastewater: A Review	Md Nazir, Kushal Roy, Ayan Saha, Dibyendu Saha	Botany	Water, Air, & Soil Pollution, Springer Nature Switzerland AG	2024
Lead (Pb ²⁺) biosorption and bioaccumulation efficiency of Enterobacter chuandaensis DGI-2: Isotherm, kinetics and mechanistic study for bioremediation	Priyanka Pal, Sudip Kumar Ghosh, Sayanta Mondal, Tushar Kanti Maiti	Botany	Journal of Hazardous Materials	2025



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Bioprotective mechanisms of Enterobacter sp. against arsenic, cadmium, and lead toxicity and its potential role in soil bioremediation	Sayanta Mondal , Tanushree Mondal , Priyanka Pal , Soumik Mitra , Sudip Kumar Ghosh , Tithi Soren , Tushar Kanti Maiti	Botany	Journal of Environmental Chemical Engineering	2025
A novel approach for screening salinity tolerant rice germplasms exploring redox-regulated cytological fingerprints	Roy UK, Pal B, Bhattacharjee S	Botany	Rice Science (Elsevier).	2025
Impact of redox control on transcriptional reprogramming for salt tolerance in coastal rice landraces.	Roy UK, Pal B, Bhattacharjee S	Botany	Scientific Reports (Nature portfolio)	2025
Redox biology enabled screening of drought resilient genotypes of edible Amaranths of Gangetic plain of West Bengal and their implication in health benefits.	Sen D, Bhattacharjee S	Botany	South African journal of Botany. Elsevier.	2025
Redox biology and crop health.	Bhattacharjee S	Botany	Frontiers in Plant Sci.	2025
Bioactive polyphenolic compounds and in vitro anti-degenerative property-based pharmacological propensities of some promising germplasms of Amaranthus hypochondriacus.	Aditya M, Gangopadhyay S, Bhattacharjee S	Botany	Journal of Exploratory Research in Pharmacology.	2025
Comparative Phytochemical Insights and Potential Bioactivities of Phyllodium pulchellum Leaf and Bract Extracts	Das A, Bhadra M, Burman S, Chandra G, Bandhyopadhyay A	Botany	Chem Biodivers	2025



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Plant Disease Diagnosis with Special Reference on Traditional and Molecular Methods-An Overview	Mukherjee, C., Choudhury, D., Dey, S. and Dutta, S.,	Botany	The Journal of Plant Science Research	2025
An Overview on Amaranthus Cruentus L.: Alternative Source of Crop, Its Economical Uses and Associated Beneficial Microbes	Mukherjee, Chandrama, Debapriya Choudhury, Shinjan Dey, and Sikha Dutta.	Botany	Asian Journal of Research in Agriculture and Forestry	2025
Plant Growth Promoting Rhizobacteria (PGPR) And Fungi (PGPF) Appeases Drought Stress and Increases Aloin Content in Aloe Barbadosis Mill	Shinjan Dey, Debapriya Choudhury, Chandrama Mukherjee and Sikha Dutta	Botany	International Journal of Biological Sciences	2025
Inoculation of indole acetic acid-producing bacteria modulates growth and biochemical response of aromatic rice	Parvin N, Mukherjee B, Roy S, Dutta S	Botany	Plant Science Today	2025
Arsenic Removal from Water by Using Bacterial Dry Biomasses	Kabiraj, A., Datta, S. & Bandopadhyay, R	Botany	National Academy Science Letters	2025
Microbial inheritance through seed: a clouded area needs to be enlightened	Khan, D., Shaw, R., Kabiraj, A., Paul, A., & Bandopadhyay, R	Botany	Archives of Microbiology	2025
Extracellular Proteins of Pseudomonas bubulae KU04 as a Resource for Potent Antimicrobial Peptides Against Acinetobacter Baumannii and Pseudomonas aeruginosa	Roy, R.K., Biswas, R., Shaw, R. Sumit Kumar Hira & Rajib Bandopadhyay	Botany	International Journal of Peptide Research Therapeutics	2025
Bioremediation of Congo Red Using Thermotolerant Bacillus sp. DD5 and Nanoparticle-Assisted Photocatalysis	Sarkar, S., Banerjee, A. & Bandopadhyay, R.	Botany	BioNanoScience	2025
Antimicrobial and mosquito larvicidal properties of silver nanoparticle synthesized by extracellular polysaccharide from Psychrobacter okhotskensis	Shaw, R., Mazumder, K., Roy, R. K., Chaudhuri, P., Daripa, S., & Bandopadhyay, R.	Botany	International Journal of Biological Macromolecules	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Overview of the breadth of bacterial resistance development within the framework of antibiotics and antimicrobial peptides	Roy, R. K., Biswas, R., Roy, A., Chandra, R., Shaw, R., Shaw, A. K., & Bandopadhyay, R.	Botany	The Microbe	2025
Physiological and genomic insights into <i>Bacillus</i> sp. BRTN from Baratang mud volcano with emphasis on SUF system proteins	Soren, K., Khan, D., Kabiraj, A., Halder, U., Let, M., Chitikineni, A., Varshney, R.K., Banerjee, A. and Bandopadhyay, R.	Botany	Archives of Microbiology	2025
Ultraviolet radiation-mediated damage and resilience strategies of Antarctic microbes with special emphasis on their potential biotechnological applications.	Shaw, R., Halder, U., Kabiraj, A., Chakraborty P., and Bandopadhyay, R.	Botany	Polar Biology	2025
Co-occurrence of Two Bet-Hedging Strategies: Pseudo-Vivipary and Amphicarp in <i>Schoenoplectiella Praelongata</i> (Poir.) Lye (Cyperaceae)	Usha Das, Subrata Majumder & Asok Ghosh	Botany	National Academy Science Letters	2025
Cybertaxonomy to Overcome Taxonomic Impediments: A Discussion in the Context of Plants of India	SAIKAT NASKAR	Botany	National Academy of Science Letter, Springer	2025
<i>Khaya anthothea</i> (Welw.) C.DC. (Meliaceae), an addition to the flora of India from West Bengal	SAYAK CHAKRABORTY, SAIKAT NASKAR, ANISH KUNDU & BISWAJIT ROY	Botany	Vegetos, Springer	2025
Harnessing morphological traits and adaptive strategies of three <i>Avicennia</i> species in the Indian Sundarbans for species delimitation	SUBRATA MONDAL & SAIKAT NASKAR	Botany	Flora, Elsevier	2025
Exploring calcium oxalate crystals as a functional trait for salt tolerance in mangrove <i>Rhizophoraceae</i>	S. ANKURE, S. MONDAL & S. NASKAR	Botany	Aquatic Botany, Elsevier	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Phytochemical profiling of an underexplored fern <i>Phymatosrus cuspidatus</i> (D. Don) Pic. Serm. of Darjeeling Himalayas, India	Nishka Jaishee	Botany	Indian Fern Journal	2025
Phytoremediation for air quality: A sustainable solution for urban resilience and post-COVID green recovery	Soudip Das, Ayan Saha, Dibyendu Saha, Kushal Roy, Md Nazir	Botany	Current World Environment, India	2025
Sustainable circuit tourism: A path to renewal for India's mining-affected regions	Dibyendu Saha, Kushal Roy, Ayan Saha, Md Nazir, Uday Das, Maneka Saha	Botany	Environmental Development, Elsevier, Netherlands	2025
Enhancing Sustainability with Macroalgae: Driving Economic Growth and Environmental Stewardship to Achieve the Sustainable Development Goals	Md Nazir, Kushal Roy, Ayan Saha, Dibyendu Saha	Botany	Water, Air, & Soil Pollution, Springer Nature Switzerland AG	2025
Sustainable solutions for water scarcity: rehabilitating abandoned coal mine pit lakes through limnological analysis of freshwater resources in mining-affected regions	Md Nazir, Kushal Roy, Ayan Saha, Uday Das, Dibyendu Saha	Botany	Environmental Geochemistry and Health, Springer Nature, Netherlands	2025
Recent Trends of Information Needs And Information Seeking Behaviour Of College Students And Faculty Members: A Study	Kousik Samanta, Tapas Roy, Mithun Das, Rajesh Das	Library and Information Science	Revista Electronica De Veterinaria	2024
Prediction Analysis Of User Category In ICT Environment Using Machine Learning Model	Mithun Das, Rajesh Das, Mandal Kalyan	Library and Information Science	Africal Journal of Biomedical Research	2024
Heart Disease Patients: A Prediction Analysis Using Machine Learning Models	Mithun Das, Rajesh Das, Tapas Roy, Suman Acharjya	Library and Information Science	International Journal of Environmental Sciences	2025
Transforming Wikipedia text into audio through machine learning	Dr. Sukumar Mandal	Library and Information Science	Library Hi Tech News	2024
Insights on tools for knowledge graphs in library and information science	Dr. Sukumar Mandal	Library and Information Science	Pearl: A Journal of Library and Information Science	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Multilingual knowledge graphs: Challenges and opportunities	Dr. Sukumar Mandal	Library and Information Science	International Journal of Knowledge Content Development & Technology	2024
Grey Literature Citations by Social Science Researchers in India: A Study	Dr. Sukumar Mandal	Library and Information Science	LIS TODAY	2024
Bibliotherapy in library: A tool for developing reading habits	Dr. Sukumar Mandal	Library and Information Science	Pearl: A Journal of Library and Information Science	2024
APIs and SIPs for library and information services	Dr. Sukumar Mandal	Library and Information Science	Library Hi Tech News	2024
Single Window Search System for Libraries using VuFind	Dr. Sukumar Mandal	Library and Information Science	Journal of Information and Knowledge	2024
Revealing Scholia: a hidden gem in academic insights	Dr. Sukumar Mandal	Library and Information Science	World Digital Libraries-An international journal	2024
Benchmarking Library and Information Science Journals: A Comparative Study of SJR Rankings in the Asiatic Region	Dr. Sukumar Mandal	Library and Information Science	Library Philosophy and Practice (e-journal)	2024
Research Organization Registry and Its Impact on Indian Institutes of Technology: a data perspective	Dr. Sukumar Mandal	Library and Information Science	World Digital Libraries-An international journal	2024
A Study on General Degree College Library Websites in Purba Bardhaman District in West Bengal.	Dr. Sukumar Mandal	Library and Information Science	Library Philosophy and Practice (e-journal)	2024
Infusing AI for Greater Impact in Academic Libraries	Dr. Sukumar Mandal	Library and Information Science	International Journal of Library and Information Science	2025
Scientific Literature Mapping on Knowledge Graph with ResearchRabbit	Dr. Sukumar Mandal	Library and Information Science	College Libraries	2025
Knowledge graph embedding in library and information services	Dr. Sukumar Mandal	Library and Information Science	Journal of Library and Information Communication Technology	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
From Catalogue to Knowledge Discovery: A Practical Framework for Leveraging Author Biographies	Dr. Sukumar Mandal	Library and Information Science	Journal of Library and Information Communication Technology	2025
Empowering Semantic Book Recommendations: Leveraging Large Language Models and Vector Search Engines	Dr. Sukumar Mandal	Library and Information Science	Pearl : A Journal of Library and Information Science	2025
Ontology management in libraries using graph databases	Dr. Sukumar Mandal	Library and Information Science	Journal of Library and Information Communication Technology	2025
Knowledge Graph Construction from Library and Information Science Journal Articles	Dr. Sukumar Mandal	Library and Information Science	International Journal of Knowledge Content Development & Technology	2025
Building Effective and Responsive Search Interfaces with Angular for Libraries	Dr. Sukumar Mandal	Library and Information Science	Asian Journal of Information Science and Technology	2025
GROBID in Focus: Machine Learning-Driven Extraction of Structured Bibliographic Data from Scientific Literature	Dr. Sukumar Mandal	Library and Information Science	LIS TODAY	2025
Evolving Impact of Artificial Intelligence on Bibliomining and Scholarly Knowledge Systems	Dr. Sukumar Mandal	Library and Information Science	Journal of Advances in Library and Information Science	2025
A study of interlinkage between foreign exchange and stock markets in India	Sourav Chakraborty, Bhaskar Goswami, Manowar Hussain and Ashima Karmakar	Economics	International Journal of Financial Management and Economics	2024
Exchange Rate Dynamics and Its Spillover Effect among the BRICS Nations	Sourav Chakraborty, Bhaskar Goswami, Mukulika Roy and Ashima Karmakar	Economics	Mudra: Journal of Finance and Accounting	2025
Industry Specific Analysis of FPI Volatility in India	Manowar Hussain, Prof. Bhaskar Goswami, Sourav Chakraborty, Ashima Karmakar	Economics	Rabindra Bharati University Journal of Economics	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
An Analysis of Foreign Portfolio Investment Inflows and Economic Growth of Brics Countries	Manowar Hussain, Prof. Bhaskar Goswami	Economics	SJCC Management Research Review	2024
Macroeconomic Determinants of the Frequency and Volume of Indian IPOs	Ashima Karmakar, Prof. Bhaskar Goswami, Sourav Chakraborty, Mukulika Roy	Economics	Mudra: Journal of Finance and Accounting	2025
Natural Gas Matters: LNG and India's Quest for Clean Energy	Rajarshi Majumder (with Subhadip Ghosh and Bidisha Chatterjee)	Economics	Gases	2024
Growth-Employment Nexus in India: A Simulation Exercise	Rajarshi Majumder (with Dipa Mukherjee)	Economics	Anvesak	2024
Spatial inequality in sub-national human development index: A case study of West Bengal districts	Rajarshi Majumder (with Souvik Dey and Jhilam Ray)	Economics	Sustainable Futures	2024
Unpaid, I Lose, Paid, You Win: The Gendered Use of Time and Care in India	Rajarshi Majumder (with Debika Som)	Economics	Indian Journal of Labour Economics	2025
Hygiene and Health in North-East India: A Study of the Basic Indicators	Suchismita Mondal , Atanu Sengupta, and Ganesh Naskar	Economics	Journal of Health Management	2025
Institutionalised Nobel: A Journey from Lewis to AJR	Atanu Sengupta & Sanjoy De	Economics	Economic and Political Weekly	2025
Beyond the Fences: A Rationale for Cohesive Development	Atanu Sengupta & Sanjoy De	Economics	Mainstream Weekly	2025
Kaleidoscope of the Indian diaspora: A Bus Journey through Bihar	Atanu Sengupta & Madhushree Mukherjee	Economics	Mainstream Weekly	2025
Hygiene and health in North East India: a Study of the Basic Indicators	Suchismita Mondal Sarkar , Atanu Sengupta, Ganesh Naskar	Economics	Journal of Health Management	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Efficient ICDS eradicate the Child Malnutrition:A Block wise Panel Data Analysis of West Bengal	Atanu Sengupta & Abhijit Mishra	Economics	Indian Journal of Human Development	2024
Females in Job Market: An Understanding of its Socio-economic Correlates	Atanu Sengupta, S Hussain and P. Das	Economics	Sarvekshana	2024
Rural Non-farm employment in India: Trends, Composition and Determinants	Manjuri Pakhira and Pravat Kumar Kuri	Economics	Time's Journey	2024
Role of institution in combating crime in India: an empirical study	Soumyananda Dinda (with Poulomi Khasnobis)	Economics	International Journal of Social Economics 51 (3), 330-346.	2024
Stage-based non-price determinants of fuel choice and its consumption decision of households in rural India	Soumyananda Dinda (with Sanchita Daripa)	Economics	The Indian Economic Journal 72 (5), 869-884.	2024
Vulnerability Index of Migrant Construction Workers during Post Pandemic: An Investigative Study in West Bengal, India	Soumyananda Dinda (with Chandra Kanta Saha)	Economics	Vidyasagar University Economics Journal	2024
Trade liberalization's influence on health status in developing economies: Theoretical insights and real-world implications	Soumyananda Dinda (with T Chatterjee, N Chatterjee, GT Teame)	Economics	Journal of Economic Development 49 (3), 1-31	2024
Driving factors of renewable energy consumption growth: Dynamic panel data analysis (accepted)	Soumyananda Dinda (with Pabitra Debnath)	Economics	Renewable and Sustainable Energy Reviews	2025
“Animism and the Himalayan Folktales: Reading The Legend of Himal and Nagrai: Greatest Kashmiri Folktales”	Arnab Kumar Sinha	English & Culture Studies	Journal of the Department of English	2024
“Indian Folk Theatre and Indigenization of Shakespeare: Some Observations”	Subhajit Sen Gupta	English & Culture Studies	Journal of the Department of English	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Book Review Article: "Revisiting Colonial History: A Review of Amitav Ghosh's Smoke and Ashes: A Writer's Journey through the Opium's Hidden Histories"	Sanjoy Malik	English & Culture Studies	English Forum: Journal of the Department of English (Vol. 13)	2024
Book Review Article: Epidemic Narratives: The Cultural Construction of Infectious Disease Outbreaks in India	Arnab Kumar Sinha	English & Culture Studies	Asiatic	2025
Book Review Article: "Revisiting the History of Indian Indentured Women: A Review of Kala Pani Crossings, Gender and Diaspora: Indian Perspectives"	Sanjoy Malik	English & Culture Studies	English Forum: Journal of the Department of English (Vol. 14)	2025
Green level and expiry time dependent demand based production inventory model with interval uncertainty via tournament differential evolution	Md Akhtar, Hachen Ali, Amalesh Kumar Manna, Ali Akbar Shaikh, Asoke Kumar Bhunia	Mathematics	Environment, Development and Sustainability	2025
Study on interval Volterra integral equations via parametric approach of intervals.	Subhajit Das, Md Sadikur Rahman, Ali Akbar Shaikh, Asoke Kumar Bhunia	Mathematics	Studia Universitatis Babeş-Bolyai, Mathematica	2025
Inventory model for perishable items for interval-valued price dependent demand and advance payment policy with parametric approach via particle swarm optimization	Md Sadikur Rahman, Subhash Chandra Das, Md Al-Amin Khan, Ali Akbar Shaikh, Asoke Kumar Bhunia	Mathematics	International Journal of Modelling and Simulation	2025
Optimization of a deteriorated inventory model with bi-level credit periods and variable demand via tournament teaching learning based optimization algorithm	Goutam Mandal, Amalesh Kumar Manna, Subhash Chandra Das, Asoke Kumar Bhunia	Mathematics	International Journal of System Assurance Engineering and Management	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
A comparative performance of different Type-1 tournament based metaheuristic algorithms in solving engineering beam design optimization problems and structural engineering design problems	Goutam Mandal, Nirmal Kumar, Asoke Kumar Bhunia	Mathematics	Soft Computing	2025
Impact of displayed inventory level in a two-warehouse system for deteriorating item with discount facilities via different metaheuristic algorithms	Partha Halder, Goutam Mandal, Rajan Mondal, Asoke Kumar Bhunia	Mathematics	Evolving Systems	2025
A two-warehouse deteriorating inventory model with credit period and price dependent demand under partial partially backlogged shortages	Partha Halder, Rajan Mondal, Goutam Mandal, Asoke Kumar Bhunia	Mathematics	Authorea Preprints	2024
Analysis of reduction of carbon emission and dynamic service policies in a green manufacturing system under isoperimetric fixed servicing budget constraint	Hachen Ali, Subhajit Das, Fleming Akhtar, Ali Akbar Shaikh, Asoke Kumar Bhunia	Mathematics	Computers & Industrial Engineering	2024
Reliability dependent production-inventory model for redundancy allocation via fuzzy logic	Anushri Maji, Asoke Kumar Bhunia, Shyamal Kumar Mondal	Mathematics	Rairo-operations Research	2024
Completeness properties of interval metric spaces	Rukhsar Khatun, Md Sadikur Rahman, Amar Kumar Banerjee, Asoke Kumar Bhunia	Mathematics	Afrika Matematika	2024
An extension of Pontryagin Maximum principle in interval environment and its application to inventory problem	Subhajit Das, Fleming Akhtar, Ali Akbar Shaikh, Asoke Kumar Bhunia	Mathematics	IFAC Journal of Systems and Control	2024
A two-warehouse inventory model for deteriorating items with partially backlogged demand rate under trade credit policies	Rajan Mondal, Subhajit Das, Md Akhtar, Ali Akbar Shaikh, Asoke Kumar Bhunia	Mathematics	International Journal of System Assurance Engineering and Management	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Pricing and dynamic service policy for an imperfect production system: Extended Pontryagin's maximum principle for interval control problems	Subhajit Das, Goutam Mandal, Fleming Akhtar, Ali Akbar Shaikh, Asoke Kumar Bhunia	Mathematics	Expert Systems with Applications	2024
Application of artificial bee colony algorithm on a green production inventory problem with preservation for deteriorating items in neutrosophic fuzzy environment	Puja Supakar, Amalesh Kumar Manna, Sanat Kumar Mahato, Asoke Kumar Bhunia	Mathematics	International Journal of System Assurance Engineering and Management	2024
On some theoretical developments of interval metric space	Rukhsar Khatun, Md Sadikur Rahman, Amar Kumar Banerjee, Asoke Kumar Bhunia	Mathematics	Yugoslav Journal of Operations Research	2024
Warranty, free service and rework policy for an imperfect manufacturing system with SAR sensitive demand under emission taxation	Subhajit Das, Ali Akbar Shaikh, Asoke Kumar Bhunia, Ioannis Konstantaras	Mathematics	Computers & Industrial Engineering	2024
Impact of prices and collection rivalry in a sustainable closed-loop dual-channel supply chain under different power configurations	Brojeswar Pal	Mathematics	International Journal of Systems Science: Operations and Logistics	2024
A closed-loop green supply chain with retailers' competition and product recycling in the green environment under the cap-and-trade policy	Brojeswar Pal; Anindya Mandal; Shib Sankar Sana	Mathematics	Green Finance	2024
Dual channel closed-loop supply chain coordination with exchange policy, sales efforts and green innovation under uncertain market	Subir Guin, Brojeswar Pal	Mathematics	Journal of Industrial and Production Engineering	2024
Pricing and return strategies in a dual-channel closed loop supply chain considering complementary products and sales effort	Subir Guin; Amit Sarkar; Brojeswar Pal	Mathematics	International Journal of Mathematics in Operational Research	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Dual channel green closed loop supply chain using dual collection approach, collection effort and wholesale price discount	Brojeswar Pal; Hemanta Mukherjee; Kripasindhu Chaudhuri	Mathematics	International Journal of Systems Science: Operations and Logistics	2024
Channel quality competition and hybrid contract strategies in multichannel retail supply chains	Subir Guin, Brojeswar Pal	Mathematics	Marketing Intelligence and Planning	2025
Optimal pricing and promotional efforts strategies in a competitive live-streaming supply chain	Brojeswar Pal; Amit Sarkar; Shib Sankar Sana	Mathematics	SN Business and Economics	2025
Impact of coupon policy and sales efforts on two-phase supply chain	Brojeswar Pal, Shib Sankar Sana	Mathematics	Marketing Intelligence and Planning	2025
A dual-channel closed-loop supply chain coordination with green innovation and sales effort under uncertain market conditions	Brojeswar Pal, Subir Guin	Mathematics	International Journal of Systems Science: Operations and Logistics	2025
The effect of coupon policy and sales effort on sustainable multi-period dual-channel supply chain with recycles and refurbishes waste	Brojeswar Pal, Hemanta Mukherjee	Mathematics	Journal of the Operational Research Society	2025
Optimizing pricing, greening, recycling, and emission reduction in a policy-driven sustainable closed-loop supply chain	Brojeswar Pal	Mathematics	Journal of Cleaner Production	2025
Rough I-convergence of sequences in probabilistic normed spaces	Amar Kumar Banerjee, Nesar Hossain	Mathematics	Korean Journal of Mathematics	2025
Completeness properties of interval metric spaces	Rukhsar Khatun, Md Sadikur Rahman, Amar Kumar Banerjee, Asoke Kumar Bhunia	Mathematics	Afrika Matematika	2024
On some topology generated by I-density function	INDRAJIT DEBNATH, AMAR KUMAR BANERJEE	Mathematics	Bull. Math. Anal. Appl	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
On some theoretical developments of interval metric space	Rukhsar Khatun, Md Sadikur Rahman, Amar Kumar Banerjee, Asoke Kumar Bhunia	Mathematics	Yugoslav Journal of Operations Research	2024
On density topology using ideals in the space of reals	Amar Kumar Banerjee, Indrajit Debnath	Mathematics	Filomat	2024
Reduction of emission efforts and rework on optimal policy for products meeting the specific absorption rate via equilibrium optimiser algorithm	Subhajit Das, Fleming Akhtar, Ali Akbar Shaikh, Amalesh Kumar Manna, Ioannis Konstantaras	Mathematics	International Journal of Systems Science: Operations & Logistics	2025
AI-enabled green production-inventory with dual channels, warranty returns, and blockchain carbon trading	Prabal Das, Nabendu Sen, Ali Akbar Shaikh	Mathematics	Computers & Industrial Engineering	2025
Applications of a league-then-knockout tournament-based hybrid algorithm for engineering problems	Goutam Mandal, Md Akhtar, Asoke Kumar Bhunia, Ali Akbar Shaikh	Mathematics	Opsearch	2025
Coordination contract in supply chain system with product quality, promotional effort and carbon emission reduction efforts using control theory	Fleming Akhtar, Md Sadikur Rahman, Ali Akbar Shaikh	Mathematics	International Journal of Management Science and Engineering Management	2025
Investigation to optimise preservation cost in an imperfect production systems under carbon emission tax: the role of warranty period, green level and price dependent demand	Hachen Ali, Ali Akbar Shaikh, Haziem M Hazaimh	Mathematics	Production Engineering	2025
An economic production quantity model for an imperfect production system with selling price, advertisement frequency and green-level dependent demand	Mostafijur Rahaman, Shariful Alam, Rakibul Haque, Ali Akbar Shaikh, Pradeep Kumar Behera, Sankar Prasad Mondal	Mathematics	Electronic Commerce Research	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Optimal policy of an interval production problem with variable demand and warranty policy via 0_1 parametrized optimization technique	Avijit Duary, Md Sadikur Rahman, Amalesh Kumar Manna, Ali Akbar Shaikh	Mathematics	International Journal of System Assurance Engineering and Management	2025
Optimal control approach for solving a supply chain problem under variable demand and emissions tax regulation with an unknown production rate	Fleming Akhtar, Hachen Ali, Md Al-Amin Khan, Ali Akbar Shaikh	Mathematics	Frontiers of Engineering Management	2025
Greening concept in inventory system for deteriorating items with preservation investment and price and stock dependent demand via marine predators' algorithm	Hachen Ali, Gobinda Chandra Panda, Adel Fahad Alrasheedi, Ali Akbar Shaikh, Jeonghwan Gwak	Mathematics	Scientific Reports	2025
Application of interval Laplace transformation in a production system with price and quality dependent demand via water cycle algorithm	Hachen Ali, Fleming Akhtar, Sayani Sen, Subhajit Das, Ali Akbar Shaikh	Mathematics	Evolutionary Intelligence	2025
An application of Arctic puffin optimization algorithm of a production model for selling price and green level dependent demand with interval uncertainty	Hachen Ali, Md Al-Amin Khan, Ali Akbar Shaikh, Adel Fahad Alrasheedi, Seyedali Mirjalili	Mathematics	Scientific Reports	2025
Investigation of a multi-objective fixed charge transportation problem with quantity dependent transportation cost and discount policy via metaheuristics	Manas Mondal, Goutam Mandal, Ali Akbar Shaikh, Asoke Kumar Bhunia	Mathematics	INFOR: Information Systems and Operational Research	2025
Investigation of a Green Production Inventory Model with Stock-Dependent Production Rate Under Preservation Investment and Artificial Ecosystem-Based Optimizer: Ali H et al.	Hachen Ali, Gobinda Chandra Panda, Ali Akbar Shaikh, Adel Fahad Alrasheedi	Mathematics	Environmental Modeling & Assessment	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Green level and expiry time dependent demand based production inventory model with interval uncertainty via tournament differential evolution: Akhtar et al.	Md Akhtar, Hachen Ali, Amalesh Kumar Manna, Ali Akbar Shaikh, Asoke Kumar Bhunia	Mathematics	Environment, Development and Sustainability	2025
Modelling of an imprecise sustainable production control problem with interval valued demand via improved centre-radius technique and sparrow search algorithm	Hachen Ali, Md Sadikur Rahman, Ali Akbar Shaikh, Adel Fahad Alrasheedi, Jeonghwan Gwak	Mathematics	Scientific Reports	2025
Study on interval Volterra integral equations via parametric approach of intervals.	Subhajit Das, Md Sadikur Rahman, Ali Akbar Shaikh, Asoke Kumar Bhunia	Mathematics	Studia Universitatis Babeş-Bolyai, Mathematica	2025
Optimizing sustainable greenhouse flower-plant production: Managing trapezoidal demand dynamics and shortages	Anuz Kumar Chakrabarty, Md Al-Amin Khan, Wedad Albalawi, Mohamed R Eid, Ahmed M Shehata, Aminur Rahman Khan, Ali Akbar Shaikh	Mathematics	Alexandria Engineering Journal	2025
Inventory model for perishable items for interval-valued price dependent demand and advance payment policy with parametric approach via particle swarm optimization	Md Sadikur Rahman, Subhash Chandra Das, Md Al-Amin Khan, Ali Akbar Shaikh, Asoke Kumar Bhunia	Mathematics	International Journal of Modelling and Simulation	2025
Impact of carbon emission and preservation investment on a manufacturing system for deteriorating item with price and greenness dependent demand via equilibrium optimizer algorithm	Hachen Ali, Fleming Akhtar, Sudipta Guin, Pritam Kumar Pakhira, Ali Akbar Shaikh, Izhar Ahmad	Mathematics	International Journal of System Assurance Engineering and Management	2025
The impact of quality index and warranty on production systems with carbon prevention investment	Hachen Ali, Madjid Tavana, Subhajit Das, Ali Akbar Shaikh	Mathematics	International Journal of Modelling and Simulation	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Production control of a manufacturing system with quality-sensitive demand and emission of carbon via equilibrium optimizer algorithm	Hachen Ali, Subhajit Das, Chandan Dey, Manan Mal, Ali Akbar Shaikh	Mathematics	International Journal of Modelling and Simulation	2025
Circularity strategy for an imperfect production system with impact of emission of carbon	Hachen Ali, Ali Akbar Shaikh	Mathematics	International Journal of Management Science and Engineering Management	2025
A Marketing Decision Oriented Two Warehouses Inventory System Under Displayed Stock Level Dependent Demand Rate	Ali Akbar Shaikh, Biswajit Mondal, Asoke Kumar Bhunia, Manaranjan Maiti	Mathematics	Supply Chain Finance Modelling and Optimization	2024
Interval variational approach for production control and waste reduction using artificial hummingbird algorithm	Subhajit Das, Adel Fahad Alrasheedi, Ali Akbar Shaikh, Seyedali Mirjalili	Mathematics	Scientific Reports	2024
Interval valued inventory model with different payment strategies for green products under interval valued Grey Wolf optimizer Algorithm fitness function	Subhash Chandra Das, Md Al-Amin Khan, Ali Akbar Shaikh, Adel Fahad Alrasheedi	Mathematics	Egyptian Informatics Journal	2024
Optimal decisions for green products with advanced payment scheme and selling price-dependent demand under interval uncertainty	Hachen Ali, Ali Akbar Shaikh, Ibrahim M Hezam, Ahmad M Alshamrani, Jeonghwan Gwak	Mathematics	Mathematical Methods in the Applied Sciences	2024
Analysis of reduction of carbon emission and dynamic service policies in a green manufacturing system under isoperimetric fixed servicing budget constraint	Hachen Ali, Subhajit Das, Fleming Akhtar, Ali Akbar Shaikh, Asoke Kumar Bhunia	Mathematics	Computers & Industrial Engineering	2024
Application of water cycle algorithm with demand follows green level and nonlinear power pattern of the product for an inventory system	Subhash Chandra Das, Fleming Akhtar, Adel Fahad Alrasheedi, Ali Akbar Shaikh	Mathematics	Scientific Reports	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Impact of Carbon Emissions and Advance Payment on Optimal Decisions for Perishable Products via Parametric Approach of Interval.	H Ali, MA Khan, AA Shaikh, AF Alrasheedi	Mathematics	Journal of Environmental Informatics	2024
Emission reduction investment for green products of a manufacturing system via optimal control theory and artificial hummingbird algorithm	Fleming Akhtar, Hachen Ali, Firdausi Khatun, Subhajit Das, Ali Akbar Shaikh	Mathematics	Applied Soft Computing	2024
An extension of Pontryagin Maximum principle in interval environment and its application to inventory problem	Subhajit Das, Fleming Akhtar, Ali Akbar Shaikh, Asoke Kumar Bhunia	Mathematics	IFAC Journal of Systems and Control	2024
A two-warehouse inventory model for deteriorating items with partially backlogged demand rate under trade credit policies	Rajan Mondal, Subhajit Das, Md Akhtar, Ali Akbar Shaikh, Asoke Kumar Bhunia	Mathematics	International Journal of System Assurance Engineering and Management	2024
Impact of warranty and green level of the product with nonlinear demand via optimal control theory and Artificial Hummingbird Algorithm	Hachen Ali, Fleming Akhtar, Amalesh Kumar Manna, Adel Fahad Alrasheedi, Ali Akbar Shaikh	Mathematics	Scientific Reports	2024
Pricing and dynamic service policy for an imperfect production system: Extended Pontryagin's maximum principle for interval control problems	Subhajit Das, Goutam Mandal, Fleming Akhtar, Ali Akbar Shaikh, Asoke Kumar Bhunia	Mathematics	Expert Systems with Applications	2024
A two-warehouse inventory model with credit policy and inflation effect	Debkumar Pal, Amalesh Kumar Manna, Irfan Ali, Pratik Roy, Ali Akbar Shaikh	Mathematics	Decision Analytics Journal	2024
Interval valued inventory model for deterioration, carbon emissions and selling price dependent demand considering buy now and pay later facility	Fleming Akhtar, Md Al-Amin Khan, Ali Akbar Shaikh, Adel Fahad Alrasheedi	Mathematics	Ain Shams Engineering Journal	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Inventory model for green products with payment strategy, selling price and green level dependent demand using teaching learning based optimization algorithm	Subhash Chandra Das, Hachen Ali, Md Al-Amin Khan, Ali Akbar Shaikh, Adel Fahad Alrasheedi	Mathematics	Scientific reports	2024
Sustainable Inventory Optimization for Perishable Goods: A Metaheuristic Approach Considering Price Elasticity, Green Demand, and Carbon Taxation	Ali Akbar Shaikh, Hachen Ali, Banu Ekren, Subhash Chandra Das, Adel Fahad Alrasheedi	Mathematics	Green Demand, and Carbon Taxation	2024
Analysis of Prey-Predator Scheme in Conjunction with Help and Gestation Delay	M Mukherjee, D Pal, SK Mahato, Ebenezer Bonyah, Ali Akbar Shaikh	Mathematics	Journal of Mathematics	2024
Warranty, free service and rework policy for an imperfect manufacturing system with SAR sensitive demand under emission taxation	Subhajit Das, Ali Akbar Shaikh, Asoke Kumar Bhunia, Ioannis Konstantaras	Mathematics	Computers & Industrial Engineering	2024
Controlling the period-bubbling route to chaos	Purbasha Deb, GC Layek	Mathematics	International Journal of Bifurcation and Chaos	2024
Heat transfer of MHD Eyring-Prandtl fluid flow past a moving permeable plate with shear flow	Abir Baidya, Swati Mukhopadhyay, GC Layek	Mathematics	Pramana	2024
Effects of Stefan blowing on Eyring-Prandtl nanofluid flow past a moving plate in Darcy-porous medium	Abir Baidya, Swati Mukhopadhyay, GC Layek	Mathematics	Particulate Science and Technology	2025
Solitons at deformable free surface of nano-fluid layer heated underneath	Purbasha Deb, Gorachand Layek	Mathematics	ZAMM-Journal of Applied Mathematics and Mechanics/Zeitschrift für Angewandte Mathematik und Mechanik	2025



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Impacts of nano-fluid on the dynamical and transitional behaviors of Rayleigh Bénard convection	Purbasha Deb, GC Layek	Mathematics	Particulate Science and Technology	2025
Bifurcations patterns and heat transmissions in couple-stress fluid layer with isothermal rigid boundaries	Purbasha Deb, GC Layek	Mathematics	Physica D: Nonlinear Phenomena	2025
Controlling convective heat transfer and stability of viscoelastic nanofluid layer flowing over a heated shrinking surface	Purbasha Deb, GC Layek, Swati Mukhopadhyay	Mathematics	Pramana	2025
Bifurcations, chaos, and heat transmissions in couple-stress nanoliquid flows	Purbasha Deb, GC Layek	Mathematics	International Journal of Bifurcation and Chaos	2025
Stefan blowing effects on forced convective chemically reactive nanofluid flow over a porous plate in Darcy-Forchheimer porous medium	Abir Baidya, Swati Mukhopadhyay, GC Layek	Mathematics	Particulate Science and Technology	2025
Melting heat transfer in Eyring-Prandtl fluid flow past a nonlinear stretching sheet in presence of slip	Abir Baidya, Swati Mukhopadhyay, GC Layek	Mathematics	Canadian Journal of Physics	2025
Multistability and transition to chaos in non-Fourier convection under cross-flow forcing	Purbasha Deb, GC Layek	Mathematics	Physics of Fluids	2025
Some results on m-Bach soliton	Prosenjit Mandal, Absos Ali Shaikh, Prince Majeed	Mathematics	Journal of Geometry and Physics	2025
On the existence of various generalizations of semisymmetric and pseudosymmetric type manifolds	Absos Ali Shaikh	Mathematics	Journal of Geometry	2025
An exploration of geometric and curvature properties of Lemos black hole spacetime	Absos Ali Shaikh, Faizuddin Ahmed, Mousumi Sarkar, Kamiruzzaman	Mathematics	Chinese Journal of Physics	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Splitting theorem of gradient - Einstein solitons	Absos Ali Shaikh, Prosenjit Mandal, Chandan Kumar Mondal	Mathematics	Afrika Matematika	2025
Scalar curvature estimation of generalized Ricci-Yamabe solitons	Absos Ali Shaikh, Prosenjit Mandal, Chandan Kumar Mondal	Mathematics	Indian Journal of Pure and Applied Mathematics	2025
Geometric features of normal curves in Euclidean spaces	Absos Ali Shaikh, Pushpinder Badyal, Sandeep Sharma, Kuljeet Singh	Mathematics	Surveys in Mathematics & its Applications	2025
Some characterizations of normal curves under isometry using Darboux frame	Absos Ali Shaikh, Kuljeet Singh, Pushpinder Badyal, Sandeep Sharma	Mathematics	Filomat	2025
Curvature related geometrical properties of topologically charged EiBI-gravity spacetime	Absos Ali Shaikh, Faizuddin Ahmed, Mousumi Sarkar	Mathematics	New Astronomy	2024
Diameter Estimation of (m, ρ) -Quasi Einstein Manifolds	Absos Ali Shaikh, Prosenjit Mandal, Chandan Kumar Mondal	Mathematics	Proceedings of the National Academy of Sciences, India Section A: Physical Sciences	2024
Ricci solitons and curvature inheritance on Robinson-Trautman spacetimes	Absos Ali Shaikh, Biswa Ranjan Datta	Mathematics	International Journal of Geometric Methods in Modern Physics	2024
Symmetry and pseudosymmetry properties of Vaidya-Bonner-de Sitter spacetime	Absos Ali Shaikh, Shyamal Kumar Hui, Mousumi Sarkar, V Amarendra Babu	Mathematics	Journal of Geometry and Physics	2024
Triviality Results and Conjugate Radius Estimation of Ricci Solitons	Absos Ali Shaikh, Prosenjit Mandal, V Amarendra Babu	Mathematics	Bulletin of the Brazilian Mathematical Society, New Series	2024
On curvature related geometric properties of Hayward black hole spacetime	Absos Ali Shaikh, Shyamal Kumar Hui, Biswa Ranjan Datta, Mousumi Sarkar	Mathematics	New Astronomy	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Curvature inheritance symmetry on M-projectively flat spacetimes	Absos Ali Shaikh, Musavvir Ali, Mohammad Salman, Fusun Ozen Zengin	Mathematics	INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS	2024
Invariant nature of Darboux normal curves on a smooth surface under isometry	Absos Ali Shaikh, Kuljeet Singh, Sandeep Sharma	Mathematics	Filomat	2024
CURVATURE PROPERTIES OF A WARPED PRODUCT METRIC.	Absos Ali Shaikh, Shyamal Kumar Hui, Mousumi Sarkar	Mathematics	Palestine Journal of Mathematics	2024
On geometric properties of topologically charged Ellis-Bronnikov-type wormhole spacetime	Absos Ali Shaikh, Faizuddin Ahmed, Biswa Ranjan Datta, Mousumi Sarkar	Mathematics	Filomat	2024
Shear flow of nanofluid past a vertical plate in presence of Thompson–Troian slip and Stefan blowing	Sudip Dey, Swati Mukhopadhyay	Mathematics	ZAMM-Journal of Applied Mathematics and Mechanics/Zeitschrift für Angewandte Mathematik und Mechanik	2024
Mixed convective nanofluid flow and heat transfer induced by a stretchable rotating disk in porous medium	Hiranmoy Maiti, Swati Mukhopadhyay	Mathematics	Heat Transfer	2024
Transient features of mass diffusion of MHD slip flow over an unsteady permeable stretching sheet in the presence of a moving free stream, destructive/constructive chemical reaction and variable mass flux	Rakesh KR Saha, Hiranmoy Maiti, Swati Mukhopadhyay	Mathematics	Pramana Journal of physics	2024
Shear flow of mixed convection nanofluid past a plate in the company of prescribed surface heat flux and mass flux at the boundary	Sudip Dey, Swati Mukhopadhyay	Mathematics	ZAMM-Journal of Applied Mathematics and Mechanics/Zeitschrift für Angewandte Mathematik und Mechanik	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Hybrid nanofluid flow close to a stagnation point past a porous shrinking sheet	Sudipta Ghosh, Swati Mukhopadhyay, Kuppalapalle Vajravelu	Mathematics	Waves in Random and Complex Media	2024
Dual solutions for nanofluid flow past a moving plate embedded in a Darcy porous medium in attendance of heat source/sink	Hiranmoy Maiti, Samir Kumar Nandy, Swati Mukhopadhyay	Mathematics	International Journal of Modern Physics B	2024
Heat transfer of MHD Eyring-Prandtl fluid flow past a moving permeable plate with shear flow	Abir Baidya, Swati Mukhopadhyay, GC Layek	Mathematics	Pramana Journal of physics	2024
Impacts of slip and activation energy on MHD hybrid nanofluid flow past a stretching radiated surface with heat generation/absorption	Sudip Dey, Swati Mukhopadhyay	Mathematics	Physica Scripta	2024
Flow of nanofluid past a radially stretching disk in an absorbent medium in company of multiple slips, nonlinear radiative heat flux and Arrhenius activation energy	Hiranmoy Maiti, Swati Mukhopadhyay	Mathematics	ZAMM-Journal of Applied Mathematics and Mechanics/Zeitschrift für Angewandte Mathematik und Mechanik	2024
Hybrid nanofluid flow over an unsteady stretching/shrinking disk with thermal radiation	Hiranmoy Maiti, Swati Mukhopadhyay, K Vajravelu	Mathematics	International Journal of Modern Physics B	2024
Impacts of uneven thickness on mixture nanoliquid flow over a slendering stretched sheet in company of a magnetic field	Iswar Chandra Mandal, Swati Mukhopadhyay	Mathematics	International Journal of Modern Physics B	2024
Mass diffusion of MHD flow over an unsteady stretched surface with moving free stream	Rakesh Kr Saha, Hiranmoy Maiti, Swati Mukhopadhyay	Mathematics	International Journal of Mathematics and Physics	2024
Squeezing unsteady nanofluid flow among two parallel plates with first-order chemical reaction and velocity slip	Hiranmoy Maiti, Swati Mukhopadhyay	Mathematics	Heat Transfer	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Magnetohydrodynamic Marangoni fluid flow, heat, and mass transfer over a radially stretching disk in the presence of heat generation and chemical reaction	Hiranmoy Maiti, Swati Mukhopadhyay, Kuppalapalle Vajravelu	Mathematics	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	2024
MHD mixed convective Maxwell liquid flow passing an unsteady stretched sheet	Iswar Chandra Mandal, Swati Mukhopadhyay, Mani Shankar Mandal	Mathematics	Partial Differential Equations in Applied Mathematics	2024
Nanofluid flow past a nonlinearly stretched surface with shear flow and zero nanoparticle flux	Saheb Konai, Swati Mukhopadhyay	Mathematics	Partial Differential Equations in Applied Mathematics	2024
Stefan flow of nanofluid passing a plate surface with changeable fluid properties	Sudip Dey, Swati Mukhopadhyay	Mathematics	Partial Differential Equations in Applied Mathematics	2024
Controlling convective heat transfer and stability of viscoelastic nanofluid layer flowing over a heated shrinking surface	PURBASHA DEB, G C LAYEK and SWATI MUKHOPADHYAY	Mathematics	Pramana – J. Phys.	2025
Effects of Stefan blowing on Eyring–Prandtl nanofluid flow past a moving plate in Darcy-porous medium	Abir Baidya, Swati Mukhopadhyay, and G. C. Layek	Mathematics	Particulate Science and technology	2025
Stefan blowing effects on forced convective chemically reactive nanofluid flow over a porous plate in Darcy-Forchheimer porous medium	Abir Baidya, Swati Mukhopadhyay, and G. C. Layek	Mathematics	Particulate Science and technology	2025
Thermo-Solutal Nonlinear Convection in a Nanofluid Flow Past a Porous Plate in the Presence of Heat Generation/Absorption	Sudip Dey 1 Swati Mukhopadhyay 1 Kuppalapalle Vajravelu	Mathematics	heat transfer	2025
Stefan blowing effects on forced convective chemically reactive nanofluid flow over a porous plate in Darcy-Forchheimer porous medium	Abir Baidya, Swati Mukhopadhyay, and G. C. Layek	Mathematics	Particulate Science and technology	2025



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Nonlinear natural convective nanofluid flow past a vertical plate	Sudip Deya, Swati Mukhopadhyaya, and Kuppalapalle Vajravelu	Mathematics	NUMERICAL HEAT TRANSFER, PART A: APPLICATIONS	2025
Insight into Eyring–Powell nanofluid flow over a radially stretching disk with Stefan blowing, nonlinear thermal radiation and Newtonian heating	Hiranmoy Maiti, Swati Mukhopadhyay	Mathematics	Multiscale and Multidisciplinary Modeling,	2025
Insight into the convective heat transport in magnetohydrodynamic Casson liquid inside a wavy channel	R. Prasad, MS Mondal, S Mukhopadhyay, K. Bhattacharyya	Mathematics	Canadian Journal of Physics	2025
Melting heat transfer in Eyring–Prandtl fluid flow past a nonlinear stretching sheet in presence of slip	Abir Baidya, Swati Mukhopadhyay, and G.C. Layek	Mathematics	Canadian Journal of Physics	2025
Gravity-driven thermally stratified nanofluid flow past a permeable stretching surface	SAHEB KONAI and SWATI MUKHOPADHYAY	Mathematics	Pramana – J. Phys.	2025
Mixed Convective Maxwell Fluid Flow in a Thermally Stratified Porous Medium Past a Vertical Stretching Sheet	IC Mondal and S Mukhopadhyay	Mathematics	New Mathematics and Natural Computation	2025
Chemically Reactive Solute Transfer in Carreau Fluid Flow Over a Nonlinear Stretching Sheet in the Presence of Stefan Blowing	Subhrsjit Mondal, Hiranmoy Maiti, and S Mukhopadhyay	Mathematics	New Mathematics and Natural Computation	2025
MHD nanofluid flow and heat transfer past a horizontal stretching cylinder in Darcy porous medium in presence of slip and uniform/variable wall temperature	Sudip Dey, Swati Mukhopadhyay, Kuppalapalle Vajravelu	Mathematics	Journal of Computational Applied Mechanics	2025
Heat transfer in shear flow over a still nanofluid: A direct integration approach	Hiranmoy Maiti, Swati Mukhopadhyay	Mathematics	Numerical Heat Transfer, Part B: Fundamentals	2025
Spherically confined hydrogenic atoms under classical non-ideal plasmas: Scaling law for the critical cage size	N. Das, B.Das and A.Ghoshal	Mathematics	Int J Quantum Chem	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Positronium Negative Ion Embedded in Non-ideal Classical Plasmas: Doubly Excited Singlet S States	N.Das, A.Ghoshal and Y.K.Ho	Mathematics	Few-Body Syst	2024
Helium atom embedded in non-ideal classical plasmas:Doubly excited singlet S states	N.Das, A.Ghoshal and Y.K.Ho	Mathematics	Contrib. Plasma Phys.	2024
Structural properties of spherically confined hydrogenic atoms: Effect of dense quantum plasmas	N.Das and A.Ghoshal	Mathematics	Phys. Plasmas	2024
Doubly Excited States of Beryllium-Like Ions ($Z = 4-10$) in Dense Quantum Plasmas	N.Masanta, A.Ghoshal and Y.K.Ho	Mathematics	Few-Body Syst	2024
Physicochemical properties of the confined hydrogen atom under dense semiclassical hydrogen plasma	B.Das, N.Das and A.Ghoshal	Mathematics	Physicochemical properties of the confined hydrogen atom under dense semiclassical hydrogen plasma	2024
Dynamics of electron capture in positron-hydrogen scattering under dense semi-classical plasmas	K.Das, N.Das and A.Ghoshal	Mathematics	Contrib. Plasma Phys.	2024
Electron scattering from hydrogen atom in dense semi-classical hydrogen plasma: S-wave resonance states	N.Das, A.Ghoshal and Y.K.Ho	Mathematics	Journal of Quantitative Spectroscopy and Radiative Transfe	2025
Calculation of the critical bound-continuum limit of the one-electron atoms interacting with the generalised exponential cosine screened potential using scattering formalism	S.Ghosh, B.Das, N.Das and A.Ghoshal	Mathematics	Journal of Physics A	2025
Hydrogen atom under the joint influence of non-ideal plasma and a static electric field	B.Das, N.Das and A.Ghoshal	Mathematics	Phys. Plasmas	2025
Helium atom embedded in dense semi-classical plasmas: Ground state and doubly excited singlet S states	N.Das, B.Das.A.Ghoshal and Y.K.Ho	Mathematics	Journal of Quantitative Spectroscopy and Radiative Transfer	2025



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Highly accurate calculation of the hyperpolarizabilities of hydrogenic atoms interacting with screened Coulomb potentials: a variation–perturbation approach	S.Ghosh and A.Ghoshal	Mathematics	Eur. Phys. J. D	2025
Critical bound–continuum limit of the two-electron Zee-system interacting with the generalised exponential cosine screened Coulomb potential	S.Ghosh, A.Ghoshal and Y.K.Ho	Mathematics	Journal of Physics B	2025
Accretion of dark energy candidates following redshift parametrization type equation of state: Horava–Lifshitz gravity	Promila Biswas, Sukanya Dutta, Ritabrata Biswas, Farook Rahaman	Mathematics	The European Physical Journal C	2025
Einstein–Maxwell-Scalar black hole: Thermodynamic properties with logarithmically corrected Barrow’s fractalized entropy	Ritabrata Biswas, Satyajit Pal	Mathematics	International Journal of Geometric Methods in Modern Physics	2025
I- Convergence of sequences of subspaces in an inner product space	Prasanta Malik, Saikat Das	Mathematics	Gulf Journal of Mathematics	2024
I –Convergence of partial maps	Prasanta Malik, Argha Ghosh	Mathematics	Journal of Classical Analysis	2024
Statistical convergence in metric-like spaces	Prasanta Malik, Saikat Das	Mathematics	Proceedings of the Jangjeon Mathematical Society	2025
Statistical limit point and statistical cluster point in metric-like spaces	Prasanta Malik, Saikat Das	Mathematics	Proceedings of the Jangjeon Mathematical Society	2025
Contact CR-warped product submanifold of a Sasakian space form with semi-symmetric metric connection	M. A. Khan, I. Al-Dayel, F. Aloui, S. K. Hui	Mathematics	Symmetry	2024
On curvature related geometric properties of Hayward black hole spacetime	A. Shaikh, S. K. Hui, B. R. Datta and M. Sarkar	Mathematics	New Astronomy	2024
The first nonzero eigenvalue of the (p,q) -Laplace system along the inverse mean curvature flow with forced term	S. K. Hui, J. Pyo and A. Saha	Mathematics	Journal of Mathematical Analysis and Applications	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Curvature properties of a warped product metric	A. A. Shaikh, S. K. Hui and M. Sarkar	Mathematics	Palestine Journal of Mathematics	2024
Contravariant curvatures of doubly warped product poisson manifolds	F. Aloui, S. K. Hui and I. Al-Dayel	Mathematics	Mathematics	2024
First p-Steklov eigenvalue under geodesic curvature flow	S. K. Hui, S. Azami and A. Saha	Mathematics	Siberian Electronic Mathematical Reports	2024
Hamilton and Souplet–Zhang type estimations on semilinear parabolic system along geometric flow	S. Bhattacharyya, S. Azami & S. K. Hui	Mathematics	Indian Journal of Pure and Applied Mathematics	2024
Conformal η -Ricci-Bourguignon soliton in general relativistic spacetime	S. Dey, S. K. Hui, S. Roy, and A. H. Alkhaldi	Mathematics	International Journal of Geometric Methods in Modern Physics	2024
Generalized warped product submanifolds of Lorentzian concircular structure manifolds	T. Pal, I. A. Dayel, M. A. Khan, B. Bag, S. K. Hui and F. Aloui	Mathematics	AIMS Mathematics	2024
Eigenvalue of (p, q)-Biharmonic System along the Ricci Flow	L. Yan, Y. Li, A. Saha, A. Abolarinwa, S. Ghosh and S. K. Hui	Mathematics	Axioms	2024
Bernstein type gradient estimation for weighted local heat equation	S. Bhattacharyya, S. Ghosh and S. K. Hui	Mathematics	Filomat	2024
Liouville type theorem for weighted p-Laplacian and Elliptic Gradient estimate	S. K. Hui, A. Abolarinwa and S. Bhattacharyya	Mathematics	Sau Paulo Journal of Mathematics	2025
Geometric analysis on warped product semi-slant submanifolds of a locally metallic Riemannian space form	B. Bag, M. Khan, T. Pal and S. K. Hui	Mathematics	AIMS Mathematics	2025
First Chen Inequality For Biwarped Product Submanifold Of A Riemannian Space Forms	B. Bag, M. A. Khan, T. Pal and S. K. Hui	Mathematics	AIMS Mathematics	2025
SJS metric spaces: a survey	Ismat Beg, Kushal Roy, Mantu Saha	Mathematics	Journal of Nonlinear Sciences and Applications	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Wardowski type enriched contractive mappings with their fixed points,	Sayantan Panja, Kushal Roy, Mantu Saha	Mathematics	The Journal of Analysis	2024
Best Proximity Point Results For Extended Proximal Cyclic α -Contraction Mappings in C^* -Algebra Valued Metric Space With Applications	Goutam Das, Nilakshi Goswami, Mantu Saha	Mathematics	Applied Mathematics E-Notes	2025
Some fixed point theorems for a class of generalized Kannan type enriched F-contractions with some of its applications	Ankit Gupta, Mantu Saha, Zoran D. Mitrovic	Mathematics	The Journal of Analysis	2025
On local J-uniform convergence of sequence of functions	Nesar Hossain and Amar Kumar Banerjee	Mathematics	Bulletin of the Calcutta Mathematical Society	2025
Rough convergence of sequences in a partial metric space	Amar Kumar Banerjee and Sukila Khatun	Mathematics	Bol. Soc. Paran. Mat.	2025
Rough statistical convergence of sequences in a partial metric space	Sukila Khatun and Amar Kumar Banerjee	Mathematics	FACTA UNIVERSITY(NIS) Ser.Math.Inform.	2025
A note on I^k and I^{k*} -convergence in topological spaces	Amar Kumar Banerjee and Mahendranath Paul	Mathematics	Proyecciones Journal of Mathematics	2025
Statistical and Rough Statistical convergence in an S-metric space	Sukila Khatun and Amar Kumar Banerjee	Mathematics	Journal of Classical Analysis	2025
M. K. Gandhi as a Social Reformer: An Analysis of "Young India" (1919–1931)	Rajesh Das	Mass Communication	Journal of the School of Language, Literature and Culture Studies, Jawaharlal Nehru University	2024
Participation of Women in Inclusive Development Pathways: A Study of Initiatives of Government of India	Mugdha Sengupta & Puja Dutta	Mass Communication	International Journal of Peace, Education and Development	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Impact of Covid-19 on the Students' Learning: An Empirical Study in India	Nirmal Chandra Roy	Business Administration (Human Resource)	International Journal of Knowledge and Learning	2024
Empirical Study on the Effect of Job Stress on Employees Satisfaction in Hospitality and Tourism Employees in West Bengal, India	Nirmal Chandra Roy	Business Administration (Human Resource)	Journal of Hospitality Application and Research	2024
Pivot in Early Stage Startups: Key Factors and It's Impact.	A. Banerjee, D. Ghosh, N. Ray, T. Majumder, M. Roy and Roy, N. C.	Business Administration (Human Resource)	International Conference on Trends in Quantum Computing and Emerging Business Technologies,	2024
Unlocking the power of AI in education: students' intentions and AI tool use driving learning success in an emerging economy	6. Saha, P., Hossain, S., Roy, N.C., Masud, A., Amin, R.	Business Administration (Human Resource)	On the Horizon,	2025
Examining the influence of Small tea cultivation (STC) on the earnings of the Bangladeshi migrants' farmers in Jalpaiguri districts of West Bengal, India.	Roy, N. C., Biswas, D., and Dey, A.	Business Administration (Human Resource)	Vikalpa: The Journal for Decision Maker	2025
AI-driven social media and economic empowerment in rural tourism entrepreneurship: an empirical analysis.	Nirmal Chandra Roy	Business Administration (Human Resource)	Journal of Entrepreneurship and Public Policy	2025
Industrial relations in the Indian tea plantation sector: A study in West Bengal region	Arpita Dey, Abhishek Mishra	Business Administration (Human Resource)	PEARL: A Multidisciplinary Research Journal	2025
A study on the relationship between awareness and implementation of green HRM in the mining industry of West Bengal	Swarnalata Basak, Abhishek Mishra	Business Administration (Human Resource)	ESSBC Journal of Business Studies	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Exploring facets of distance education in India: Enrollment dynamics, institutional imperatives, and policy implications	Arijit Chatterjee, Partha Sarkar, Abhishek Mishra, Nirmal Chandra Roy		PEARL: A Multidisciplinary Research Journal	2025
Relationship between organisational learning and business architecture: an empirical study	Debangsu Sarma Chaudhuri and Partha Sarkar	Business Administration (Human Resource)	International Journal of Business and Globalisation Vol. 39, No. 3-4	2025
In Search of the Facades of Political Marketing and the Ramifications for Strategic Action Orientation of Political Parties in India	Sumantra Bhattacharya and Partha Sarkar	Business Administration (Human Resource)	PEARL: A Multidisciplinary Research Journal	2025
Efficient antimicrobial applications of two novel supramolecular metallogels derived from al (+)-tartaric acid low molecular weight gelator.	Dhibar S, Pal S, Some S, Karmakar K, Saha R, Bhattacharjee S, Roy A, Ray SJ, Ajiboye TO, Dam S, Saha B	Microbiology	RSC advances	2024
Evaluation of probiotic efficacy of indigenous yeast strain, <i>Saccharomyces cerevisiae</i> Y-89 isolated from a traditional fermented beverage of West Bengal, India having protective effect against DSS-induced colitis in experimental mice	Das M, Dam S	Microbiology	Archives of Microbiology	2024
Unraveling the interaction between a glycolytic regulator protein EhPpdK and an anaphase promoting complex protein EhApc10: yeast two hybrid screening, in vitro binding assays and molecular simulation study	Pal S, Biswas P, Ghosh R, Dam S	Microbiology	The Protein Journal	2024
Efficient, one-Pot, Green Synthesis of Analogues of 3,4-Dihydro-2H Pyrroles as Potential New Antifungal and Antibacterial Agents	Sivaganesan P, Ganesan L, Subiksha VL, Pal S, Dam S, Sarkar J, Chaudhuri S	Microbiology	Chemistry Select	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
ABC-type salt tolerance transporter genes are abundant and mutually shared among the microorganisms of the hypersaline Sambhar Lake. Extremophiles	Pal S, Biswas R, Sar A, Misra A, Dam S, Dam B	Microbiology	Extremophiles	2025
Identification and characterisation of a novel EhOrc1/Cdc6 from the human pathogen Entamoeba histolytica: an in silico approach	Pal S, Dam S	Microbiology	Journal of Biomolecular Structure and Dynamics	2025
Understanding the multiple applications of reduced graphene oxide-bixbyite type (MnFe) 2O3 nanocomposite: adsorbent, antioxidant and antimicrobial properties	Maity S, Bairy B, Saha S, Bhowmick S, Bhabak P, Laha R, Dam S, Baskey Sen M	Microbiology	Nanotechnology for Environmental Engineering	2025
Highly Luminescent Nitrogen Doped Carbon Quantum Dots for Mercury Ion Sensing with Antibacterial Activity	Dutta A, Begum W, Sarkar S, Dam S, Mandal U	Microbiology	Journal of Fluorescence	2025
Sustainable antimicrobial formulations: vitamin-E based emulsions stabilized by plant-derived saponin from Acacia concinna	Begum W, Laha R, Rahaman SM, Mondal MH, Dam S, Saha B, Mandal U	Microbiology	RSC advances	2025
Development of a Bioactive Supramolecular Cobalt (II)-Metallogel for Antimicrobial and Semiconducting Microelectronic Device Applications	Dhibar S*, Halder S, Pal S, Kumari D, Karmakar K, Saha R, Bhattacharjee S, Mohan A, Ajiboye TO, Ray SJ, Roy S, Dam S*, Ray PP*, Saha B*	Microbiology	Langmuir	2025
In silico mutagenesis for improving activity of cytosine deaminase of Bifidobacterium breve: approach towards effective pro-drug gene therapy in colorectal cancer.	Gupta D, Dolui S	Microbiology	International Journal of Recent Scientific Research	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
In Silico Drug Target Identification And It's Characterisation In Alistipes Spp. Involved In Human Colorectal Cancer: A Pan Genome Analysis Approach	Gupta D, Saha P	Microbiology	International Journal of Biology, Pharmacy and Allied Sciences	2024
Statistical experimental design for bioprocess optimization: A foundation to artificial intelligence.	Wahid M, Mehta A, Soni N, Chaudhury P, Jawed A	Microbiology	Indian Journal of Applied Research	2024
Enhanced Antibacterial Activity of Mechanosynthesized Biocompatible Cu-Ag-TiO ₂ Nanocomposite	Ghosh, M., Mandal, S., Roy, A., Mondal, P., Maji, M., Ghosh, M., Mukhopadhyay, S.K. and Pradhan, S.K.	Microbiology	ChemistrySelect	2025
Development of a biocompatible CuO-ZnO nanocomposite for targeting of Chloramphenicol with enhanced antibacterial and anti-biofilm efficacy	Ghosh M, Ghosh D, Paul S, Datta D, Mukhopadhyay SK, Pradhan SK	Microbiology	Journal of Pharmaceutical Sciences	2025
Paracoccus sp. PS1: a novel probiotic strain for the mitigation of cardiometabolic risk factors TMA, TMAO, and methylglyoxal	Seth M, Mondal M, Mukhopadhyay SK	Microbiology	Archives of Microbiology	2025
Genomic insights, determination of quorum quenching potential of a beta-lactamase enzyme from Chromohalobacter sp. strain D23 against Aeromonas hydrophila and molecular docking study.	Ghosh, D., Alam, S.A. and Mukhopadhyay, S.K.	Microbiology	International Microbiology	2025
THE IMPACT OF CHRISTIANITY ON SANTAL TRIBAL IDENTITY: A CASE STUDY OF WEST BENGAL	Jogendranath Murmu	Santali	ShodhKosh: Journal of Visual and Performing Arts	2024
In the Social Mesh: Theoretical Insights into Networked Well-being	Dr. Sourav Madhur Dey & Sumana Das	Sociology	International Journal of Cultural Studies and Social Sciences	2024
Acceptability of Infertility Treatment Among Men and the Issue of Social Stigma: Some Reflections	Dr. Sourav Madhur Dey & Sumana Das	Sociology	International Journal of Research in Medical Sciences	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Effects of Serum Creatinine on Heart, Diabetes, and Anaemia Patients	Mahashweta Das, Gaurab Bhattacharyya, Rabindra Nath Das	Statistics	Journal of Endocrinology and Disorders	2025
Hybrid Long Memory Artificial Intelligence	Shipra Banik, Shawan Kumar De	Statistics	Lecture Notes in Networks and Systems	2025
Development of a Chain Regression-Product Type Estimation Strategy for Population Mean under Two-Phase Sampling	Sanjoy Majumder, Arnab Bandyopadhyay, Arindam Gupta	Statistics	Multi Spectrum Publications	2024
A unified generalised process capability index and its applications to logistic-exponential distributed characteristic	Mahendra Saha, Amartya Bhattacharya, Sukanta Pramanik, Sudhansu S. Maiti, and Arindam Gupta	Statistics	European Journal of Industrial Engineering	2025
Estimation of undocumented migration - a model based approach. Communications in Statistics – Case Studies and Data Analysis	Ardhendu Banerjee, Arindam Gupta and Asis Kumar Chattopadhyay	Statistics	Communications in Statistics – Case Studies and Data Analysis	2025
A Revised Estimate of NMR with Effect Due to Migration and Discounted Number of Deaths	Arindam Gupta, Ardhendu Banerjee and Asis Kumar Chattopadhyay	Statistics	Demography India	2025
A Semiparametric Approach for Simple Step-Stress Model	Ayan Pal, Debashis Samanta and Debasis Kundu	Statistics	TEST	2025
Analysis of Multiple Step-Stress Dependent Competing Risks under Proportional Hazard Model	Sarat Sindhu Mukhopadhyay, Ayan Pal, and Gijo E. V.	Statistics	Quality Technology & Quantitative Management	2025
Fixed width Confidence Interval estimation for general continuous responses under a response adaptive design	Pritam Sarkar, Atanu Biswas, Rahul Bhattacharya	Statistics	Communication in Statistics- Theory and Methods	2025
The perceived impact of cultural heritage tourism on sustainable community development: a moderated-mediation analysis	Mir Abdul Sofique	Tourism Management	Tourism and Hospitality Management	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Unveiling spatio-temporal shifts in the eco-hydrological state of an alpine lake using integrated GIS, geo-statistics, and machine learning approaches: insights into wetland sustainability	Atul Kumar Rai; Krishnendu Kumar Pobi; Sreetanwi Chakraborty; Stabak Roy; Sucharita Saha; Srimanta Gupta; Subhankar Dutta; Sumanta Nayek	Department of environmental science	Water Practice and Technology	2025
Adsorptive removal of fluoride using waste cigarette butts-a potential application in drinking water treatment	Naba Kumar Mondal* Sreeja Sarkar, Anupam Mondal, Soumya Chattoraj	Environmental Science	INDIAN SCIENCE CRUISER	2024
Statistical physics modelling and density functional theory calculations for	Kamalesh Sen , Naba Kumar Mondal	Environmental Science	Journal of Industrial and Engineering Chemistry	2024
glyphosate adsorption using zinc oxide-doped activated carbon	Richa Das and Arghadip Mondal Naba Kumar Mondal	Environmental Science	INDIAN SCIENCE CRUISER	2024
Phyco-Synthesis of Silver Nanoparticles and their Efficacy towards Control of Phyto-Pathogen Collected from Pongamia pinnate Leaf	Antibacterial, antibiofilm and larvicidal activity of silver nanoparticles synthesized from spider silk protein	Environmental Science	International Journal of Biological Macromolecules	2024
Sustainable use of plastic-derived nanocarbons as a promising larvicidal and growth inhibitor agent towards control of mosquitoes	Vikky Shaw, Rajesh Koley, Sugata Das, Tulika Saha, Naba Kumar Mondal	Environmental Science	Science of The Total Environment	2024
State-of-the-art fabrication of crystalline zinc oxide for carbamate adsorption: Experimental, optimization, and molecular dynamics simulation	Kamalesh Sen, Ranu Barik, Naba Kumar Mondal	Environmental Science	Groundwater for Sustainable Development	2024
Synthesis of calcium-based nanofertilizer and its efficacy towards reduction of oxidative stress and fluoride uptake in rice (<i>Oryza sativa</i> L.)	Rajesh Koley, Naba Kumar Mondal	Environmental Science	Plant Nano Biology	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Statistical physics modelling and density functional theory calculations for glyphosate adsorption using zinc oxide-doped activated carbon	Kamalesh Sen, Naba Kumar Mondal	Environmental Science	Journal of Industrial and Engineering Chemistry	2024
The Isolation and Identification of Novel Arsenic-Resistant Bacteria from an Arsenic-Contaminated Region—A Study to Understand the Efficiency of Bacteria for Arsenic Removal from Aqueous Media	Uttiya Dey ¹ , Naba Kumar Mondal, Soumendranath Chatterjee, Kousik Das, Deep Raj, Pankaj Kumar and Gowhar Mera	Environmental Science	Water	2024
Effective utilization of lignocellulosic waste generated from food processing centers towards removal of nitrate from water	Naba kumar Mondal, Kamalesh Sen a, Priyasa Ghosh a, Priyanka Debnath a, Arghadip Mondal	Environmental Science	Sustainable Chemistry One World	2024
A case study of nutrient retranslocation in four deciduous tree species of West Bengal tropical forest, India	Chittaranjan Das, Naba Kumar Mondal	Environmental Science	Tropical Ecology	2024
Preparation of low-cost metal-loaded adsorbent using post-consumer waste plastics: Experimental and modelling studies	Sreeja Sarkar, Naba Kumar Mondal	Environmental Science	Environmental Nanotechnology, Monitoring & Management	2024
Efficacy of two different forms of selenium towards reduction of arsenic toxicity and accumulation in <i>Cicer arietinum</i> L.	Naba Kumar Mondal, Barnali Mondal, Rajesh Koley, Apurba Koley, Srinivasan Balachandran	Environmental Science		2024
Arsenic in groundwater: Exploring its origins, human interventions, and sustainable paths forward	Debojyoti Mishra a, Kamalesh Sen b, Soumya Kundu c, Naba Kumar Mondal	Environmental Science	Cleaner Water	2025
Vulnerability of rural tribal women: Triggering from unprocessed biomass fuel-induced blood sugar, hypertension and comorbidities	Raumi Ganguly, Pradip Mitra, Naba Kumar Mondal	Environmental Science	Next Research	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Impacts of biostimulant extracted from mushroom (<i>Polyporus alveolaris</i>) on germination and growth of <i>Cicer arietinum</i> L.	Riya Pal, Rajesh Koley, Naba Kumar Mondal	Environmental Science	Food and Humanity	2025
Insights into iron-doped keratin derived via alkali hydrolysis for nitrate adsorption: Experimental and computational modeling	Riya Sen a, Kamalesh Sen b, Naba Kumar Mondal	Environmental Science	Biochemical Engineering Journal	2025
Assessment of indoor air quality through particulate matter, serum CRP levels and cardiopulmonary health of biomass using rural women	Pradip Mitra a, Supratim Pradhan b, Deep Chakraborty c, Budhaditya Mukherjee b, Utpal Dan d, Naba Kumar Mondal	Environmental Science	Atmospheric Environment	2025
Biomass, Litter, and Soil Carbon Stock of a Tropical Forest of Eastern India	Chittaranjan Das, Naba Kumar Mondal	Environmental Science	Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci.	2025
Synthesis of calcium carbonate nanoparticles from mollusc shell waste and its efficacy towards plant growth and development	Rajesh Koley a, Mallika Mandal a, Arghadip Mondal b, Priyanka Debnath a, Anupam Mondal a, Naba Kumar Mondal	Environmental Science	Sustainable Chemistry One World	2025
Sustainable Cr(VI) Aqueous Detoxification using Keratin-Based Adsorbents: Integration of Taguchi Design and Computational Modelling	Naba Kumar Mondal · Sudipta Palui · Kamalesh Sen · Priyanka Debnath · Arghadip Mondal	Environmental Science	Water Air Soil Pollution	2025
Chemical Modification of Salon Waste and Decontamination of nitrate from water: an Optimization study through response Surface Methodology	Naba Kumar Mondal, Riya Sen, Kamalesh Sen	Environmental Science	INDIAN SCIENCE CRUISER	2025
Integrated assessment of fluoride occurrence and groundwater usability: a critical concern for drinking water sustainability and irrigation in semi-arid region of West Bengal, India	Kousik Das ^{1,2*†} , Mijanur Mondal ^{1†} , Naba Kumar Mondal ³ , Uttiya Dey ¹ , Abhijit Mukherjee ^{4,5,6} , David Anand Aind ^{5,7} ,	Environmental Science	Discover Sustainability	2025



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Household Air Pollution and Associated Health Burden of Biomass Using Rural Women in India	Choudhury Saiful Islam, Pradip Mitra, Sukanta Nayek, Utpal Dan, Naba Kumar Mondal	Environmental Science	Aerosol Science and Engineering	2025
The assessment of health risk among biomass smoke exposed rural tribal women and its effect on blood platelet activities	Naba Kumar Mondal, Pradip Mitra, Deep Chakraborty, Sukanta Nayek, Utpal Dan	Environmental Science	Air Quality, Atmosphere & Health	2025
Assessment of the arsenic accumulation pattern in twelve rice cultivars (<i>Oryza sativa</i> L.) grown in the arsenic-contaminated soil of West Bengal	Naba Kumar Mondal, Kousik Das, Moumita Bairagi, Uttiya Dey, Kamalesh Sen	Environmental Science	Paddy and Water Environment	2025
Differentiation of Smokers from Non-Smokers through FTIR Spectroscopy	Pradip Mitra and Naba Kumar Mondal	Environmental Science	INDIAN SCIENCE CRUISER	2025
Ecosystem richness degradation assessment from elevated hydro-chemical properties of Chilka Lake, India	Dipankar Ruidas, Subodh Chandra Pal, Asish Saha, Sudipto Mandal, Aznarul Islam, Abu Reza Md Towfiqul Islam, Edris Alam	Environmental science	Hydrological Sciences Journal	2024
Source identification and potential health risks from elevated groundwater nitrate contamination in Sundarbans coastal aquifers, India	Subodh Chandra Pal, Tanmoy Biswas, Asit Kumar Jaydhar, Dipankar Ruidas, Asish Saha, Indrajit Chowdhuri, Sudipto Mandal, Aznarul Islam, Abu Reza Md Towfiqul Islam, Chaitanya B Pande, Edris Alam, Md Kamrul Islam	Environmental science	Scientific Reports	2024



Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
Effect of integrated nutrient management on the growth and productivity of four high-yielding rice varieties of Eastern India	Sunanda Batabyal, Sohini Gangopadhyay, Nilanjan Das, Soumyadip Pal, Harisankar Ray, Rituparna Banerjee, Sudipto Mandal	Environmental science	Journal of Environmental Biology	2024
Carbon sequestration and methane emission of East Kolkata wetland, a Ramsar site in India	Poulami Sen, Sudipto Mandal, Phani Bhusan Ghosh, Soumyendra Kishore Datta, Nimai Chandra Saha	Environmental science	Ecological Frontiers	2024
Carbon sequestration under ecological restoration in Purbasthali oxbow lake, India	Nilanjan Das, Harisankar Ray, Soumyadip Pal, Subodh Chandra Pal, Sudipto Mandal	Environmental science	Wetlands Ecology and Management	2025
Unveiling the impact of anthropogenic wastes on greenhouse gas emissions from the enigmatic mangroves of Indian Sundarban	Nilanjan Das, Soumyadip Pal, Harisankar Ray, Suman Acharya, Sudipto Mandal	Environmental science	Science of the Total Environment	2025
A coupled model of greenhouse gas emissions from erosion and accretion prone zones of mangrove ecosystem, Sundarban, India	Nilanjan Das, Debarati Pal, Rabin Chakraborty, Subodh Chandra Pal, Sudipto Mandal	Environmental science	Geoderma Regional	2025
Predicting the potential habitat suitability of mangrove bioindicator species-Telescopium telescopium (Linnaeus, 1758) through MaxEnt modelling	Harisankar Ray, Nilanjan Das, Soumyadip Pal, Subodh Chandra Pal, Sudipto Mandal	Environmental science	Regional Studies in Marine Science	2025
Assessment of mollusc habitat suitability of an anthropogenically altered tropical river in India	Md Mofizul Hoque, Subodh Chandra Pal, Sudipto Mandal, Aznarul Islam	Environmental science	Environmental Monitoring and Assessment	2025


Publication of Books/ Book Chapters/ Edited Volumes during 2024-2025:

Name of the Teacher	Title of the book/ proceedings of the conference	Title of the Chapter	Year of publication	ISBN	Name of the publisher
Dr. Md. Shamim Nizami	Saut al-Ma'rifa Fi Zill al Bahth	Indo-Arab relations in contemporary world: Aspects and Dimensions	2024	978936039705-0	Dr Noor Uddin Ahmed
Dr. Md. Shamim Nizami	Majmu'aa-e-Maqalaat, MAULANA HABIBUR RAHMAN KHAN SHERWANI: HAYAT - WO-KHIDMAT	Habibur Rahman Khan al-Sherwani and His Contributions to Biographical Writing: Sirat al-Siddiq as a Model	2025	978-93-49083-39-4	Dr Madihur Rahman Suhaib
Dr. Md. Shamim Nizami	The Role of Arabic Translation from Bengali in Enriching of Human Civilization and Culture	Rabindranath Tagore's Works Translated into Arabic: A Stylistic Study	2025	97881-993211-4-4	Sk Mafezul Chatak Prakashan
Dr. Md. Shamim Nizami	Majmu'aa-e-Maqalaat, Contributions of Muslims in the building and development of India	Maulana Abul Kalam Azad's Educational Vision: Institution Building and Administrative Strategies	2025	-	M. Khalid Saifullah Rahmani
Prof. Niladri Hazra	Flies in Science and Forensics	Chironomid Midges (Diptera) of India	2025	9781003642596	CRC Press
Anirban Ash	Ecology of Tropical Cities, Volume II: Biodiversity, People & Places	Urban Bird Assemblages: Characterization Based on Diversity and Ecological Network	2025	978-3-031-70867-1	Springer Nature Switzerland
Dr. Moutushi Mandi	Spatial Modeling of Environmental Pollution and Ecological Risk	4 - Air pollution, disease burden, and health economic loss	2024	978-0-323-95282-8	Woodhead Publishing
Dr. Moutushi Mandi	Spatial Modeling of Environmental Pollution and Ecological Risk	12 - Nanoplastics as burgeoning hazardous contaminant to aquatic environment: An overview	2024	978-0-323-95282-8	Woodhead Publishing
Dr. Moutushi Mandi	Spatial Modeling of Environmental Pollution and Ecological Risk	14 - Toxic contaminants and their impacts on aquatic ecology and habitats	2024	978-0-323-95282-8	Woodhead Publishing
Dr. Moutushi Mandi	Technical and Technological Solutions Towards a Sustainable Society and Circular Economy	Nanopesticides in Agriculture: Scopes and Limitations	2024	978-3-031-56291-4	Cham: Springer Nature Switzerland



Name of the Teacher	Title of the book/ proceedings of the conference	Title of the Chapter	Year of publication	ISBN	Name of the publisher
Dr. Moutushi Mandi	Neonicotinoids in the Environment: Emerging Concerns to the Human Health and Biodiversity	Neonicotinoid Contamination in the Aquatic Ecosystems—What We Know?	2024	978-3-031-45342-7	Cham: Springer Nature Switzerland
Dr. Moutushi Mandi	Ecosystem Management: Climate Change and Sustainability	Micropollutants in Environment: Sources, Ecotoxicity, and Strategies for Remediation	2024	978-1-394-23121-8	Wiley
Dr. Moutushi Mandi	Neonicotinoids in the Environment: Emerging Concerns to the Human Health and Biodiversity	Neonicotinoid Exposure: A Growing Concern for Human Health	2024	978-3-031-45342-7	Cham: Springer Nature Switzerland
Dr. Moutushi Mandi	In Traditional and Herbal Medicines for COVID-19	The Impact of Traditional Homeopathic Medicines in COVID-19 Management.	2025	9781032590301	CRC Press
Dr. Moutushi Mandi	Porphyrin-Based Composites: Materials and Applications	Porphyrin-Based Nanoparticles and Their Potential Scopes for Targeted Drug Delivery and Cancer Therapy	2025	9781394214389	Wiley Online Library
Professor Koushik Ghosh	Immunomodulators in Aquaculture and Fish Health	Prebiotics and Probiotics as Effective Immunomodulators in Aquaculture	2024	978-1-032-40738-8	CRC Press, Boca Raton
Professor Koushik Ghosh	Current Trends in Fisheries Biotechnology	Microbial Ecology in Microplastics: Impact on Aquatic Ecosystems and Bioremediation	2024	978-981-97-3164-0	Springer Nature, Singapore
Professor Koushik Ghosh	Feed and Feeding for Fish and Shellfish (Volume 2).	The importance of gut microbes for nutrition and gut health.	2025	978-0-443-21556-8	Elsevier (Academic Press), Cambridge, USA
Professor Koushik Ghosh	Advances in Omics Technologies – Exploring Genomics, Proteomics, and Metabolomics	Identification of Beneficial Microbes from Metagenomic Sequencing.	2025	978-981-95-0284-4	Springer Nature, Singapore
Arup Mistri	Advances in Omics Technologies	Bioremediation Techniques: Principles, Advantages, Limitations, and Prospects	2025	978-981-95-0285-1	Springer
Arup Mistri			2025	978-981-96-8923-1	Springer



Name of the Teacher	Title of the book/ proceedings of the conference	Title of the Chapter	Year of publication	ISBN	Name of the publisher
	Biomedical Applications of Microbial Nanomaterials	Exploring Microbial Nanomaterials for Novel Cancer Therapies			
Arup Mistri	Biomedical Applications of Microbial Nanomaterials	Therapeutic Implications of Microbially Synthesized Nanomaterials in Tissue Engineering with Special Reference to Wound Healing	2025	978-981-96-8923-1	Springer
Arup Mistri	Biomedical Applications of Microbial Nanomaterials	Therapeutic Application of Microbial Nanomaterials in Drug Delivery	2025	978-981-96-8923-1	Springer
Asif Hossain	Spatial Modeling of Environmental Pollution and Ecological Risk	10 - Contamination of microplastics in the marine food web with special reference to seafood: Present status and future concern	2024	978-0-323-95282-8	Woodhead Publishing
Asif Hossain	Ecology of Tropical Cities, Volume II	Urban Bird Assemblages: Characterization Based on Diversity and Ecological Network	2025	978-3-031-70867-1	Springer-Nature
Bidyut Saha	Reference Module in Earth Systems and Environmental Sciences	Demulsification of crude oil emulsion	2025	978-0-12-409548-9	Elsevier
Bidyut Saha	Homogeneous Isomerization, Amination and Silicon Compounds Reactions	Overview of homogeneous isomerization catalytic systems	2025	978-0-443-15712-7	Elsevier
Bidyut Saha	Homogeneous Polymerization and Oligomerization Reactions	Homogeneous catalysis for polymerization of propylene	2025	978-0-443-15680-9	Elsevier
Bidyut Saha	Homogeneous Oxidation Reactions	Homogeneous oxidation for bleaching processes	2025	978-0-443-15620-5	Elsevier
Bidyut Saha	Advanced Redox Flow Technology	Electrolytes Materials for Redox Flow Batteries	2024	9781119904960	Wiley
Bidyut Saha	Homogeneous Catalysis Concepts and Basics	Future of homogeneous catalysts	2024	978-0-443-15181-1	Elsevier
Bidyut Saha	Homogeneous Carbonylation and Hydroformylation Reactions	Overview of homogeneous hydroformylation catalysis	2024	978-0-443-15560-4	Elsevier



Name of the Teacher	Title of the book/ proceedings of the conference	Title of the Chapter	Year of publication	ISBN	Name of the publisher
Bidyut Saha	Homogeneous Carbonylation and Hydroformylation Reactions	Water-gas shift reaction with homogeneous catalysts	2024	978-0-443-15560-4	Elsevier
Bidyut Saha	Lithium and Nickel Contamination in Plants and the Environment	Occurrence and Speciation of Ni in the Environment and the Health Risk to Living Organisms	2024	978-981-12-8312-3	World Scientific Connect
Bidyut Saha	Homogeneous Hydrogenation and Metathesis Reactions	A general overview on hydrogenation catalytic systems	2025	978-0-443-15656-4	Elsevier
Ujjwal Mandal	Solid-Gaseous Biofuels Production	Outline of Energy Crop-Based Solid Biofuels: Trends and Opportunities	2024	Online: 9781394204816 Print: 9781394204403	Scrivener Publishing LLC
Arindam Laha	Conference Proceedings of 18th ICA Asia-Pacific Research Conference	Mapping the Research Landscape on Cooperative Marketing in Agriculture: A Bibliometric Study	2024	978-93-340-8984-4	Indian Institute of Management Kozhikode
Manidipa DasGupta	Using Strategy Analytics for Business Value Creation and Competitive Advantage	Envisioning Decent Work and Sustainability in Enterprises: A Mapping With Bibliometric Analysis	2024	979-83-693-2823-1	IGI Global
Manidipa DasGupta	Industry 4.0: Data and its Analysis in Business and Finance	Decent Work and Health Related Wellbeing at Work: A Study on Brick Field Women-Workers in West Bengal	2025	978-93-588-7456-3	NIPA, New Delhi
Manidipa DasGupta	Data and its Analysis in Business and Finance	A Bibliometric Mapping on Sustainable Development Goals in Entrepreneurial Periphery	2025	978-93-588-7456-3	NIPA, New Delhi
Arindam Das	Perspectives in Finance and Digital Transformations in Business	Application of Constrained Markowitz Optimisation Model in Indian Capital Market	2024	978-1-041-03418-6	Routledge
Arindam Das	Perspectives in Finance and Digital Transformations in Business	EVA and Traditional Performance Indicators: Evidence from NSE-Listed Computer Companies in India	2024	978-1-041-03418-6	Routledge



Name of the Teacher	Title of the book/ proceedings of the conference	Title of the Chapter	Year of publication	ISBN	Name of the publisher
Anil Kumar Biswas	Emerging Issues on Rights and Equality	Indigenous Identity of Particularly Vulnerable Tribal Groups (PVTGs) in India in the Era of Development: A Case Study of Toto Tribe of West Bengal	2024	9788195940011	Ruby Press & Co.
Anil Kumar Biswas	Indigenous Knowledge Systems and Sustainable Development	Relevance of Indigenous Governance in Rural Development: A Comparative Study of India and South Africa	2025	9788195357567	Shaikshik Foundation, New Delhi
Anil Kumar Biswas	Holistic Child Development	Role of a Family on the Development of Children in Indian Society	2024	-	Registrar, Children's Research University, Gandhinagar, Gujrat, India
Arindam Ray	Japan's Policy of Free and Open Indo-Pacific and Connecting North east India Searching for the Policies of Development	Indo-Japan (Re)connects: Locating India's North east in Japan's Strategic Atlas	2025	9789363895683	Kunal Books, New Delhi
Arindam Ray	Constitutional Government and Politics in India	Challenges of Post-Colonial Governance: Some Reflections	2025	-	Progressive
Rahul Karmakar; Mrinal Manna; Sidhartha Bakuli; Rajayshree Bhattacharyya; Avijit Das	Advances in Data and Information Sciences (International Conference on Data and Information Sciences (ICDIS 2024))	News-Scope: Intelligent Categorization of News Content Using Machine Learning	2024	978-981-97-9619-9	Springer Nature Singapore
Rahul Karmakar; Arindam Sarkar; Debraj Malik; Priyabrata Sain	Smart Innovation, Systems and Technologies (International Conference on Smart Systems and Wireless Communication (SSWC 2024))	A Homogeneous Federated Learning Approach Toward Prediction of Diabetes	2024	978-981-96-1348-9	Springer Nature Singapore



Name of the Teacher	Title of the book/ proceedings of the conference	Title of the Chapter	Year of publication	ISBN	Name of the publisher
Rahul Karmakar; Aditi Mandal	Communications in Computer and Information Science (International Conference on Advanced Network Technologies and Intelligent Computing (ANTIC 2024))	Ensuring Advanced ATM Security: A Formal Verification Approach with Event-B	2024	978-3-031-83783-8	Springer Nature Switzerland
Saachin Murmu; Priyabrata Sain; Rahul Karmakar	IEEE Xplore (2025 International Conference on Computer, Electrical & Communication Engineering (ICCECE))	Rarh Rainfall Analytics: Machine Learning Insights from NASA Data	2025	979-8-3315-1389-4	IEEE
Rahul Karmakar, Sayan Pal, Priyabrata Sain	Lecture Notes in Networks and Systems (Advanced Computational and Communication Paradigms)	Annual Precipitation Prediction Modelling Using ML Classifiers: A Brief Study on West Bengal	2025	978-3-032-13554-4	Springer Nature Switzerland
Procheta Poddar, Debasmita Saha, Sayan Pal, Rahul Karmakar	IEEE Xplore (2025 International Conference on Computing, Intelligence, and Application (CIACON))	Mental Health Monitoring in Students: A Classifier-Based Machine Learning Approach	2025	979-8-3315-4411-9	IEEE
Priyabrata Sain, Saachin Murmu, Sayan Pal, Rahul Karmakar	IEEE Xplore (2025 International Conference on Computing, Intelligence, and Application (CIACON))	An ML-Based Expert System for Predicting Rainfall	2025	979-8-3315-4411-9	IEEE
Subhajit Adhikari, Dulal Kumbhakar, Nabanita Indra, Sunil Karforma	Integrating Generative AI in Education to Achieve Sustainable Development Goals	Impact of Generative AI in Education 2030	2024	979-8-3693-2440-0	IGI Global Scientific Publishing



Name of the Teacher	Title of the book/ proceedings of the conference	Title of the Chapter	Year of publication	ISBN	Name of the publisher
Shrabani Sutradhar, Sunil Karforma, Rajesh Bose, Sandip Roy	International Conference on Security, Surveillance and Artificial Intelligence (ICSSAI-2023)	Enhancing Data Security in Cloud Storage: Utilizing Cryptographic Algorithms for Healthcare Industry	2024	978-1-0034-2845-9	CRC Press
Subhadip Nandi, Sunil Karforma, Rajesh Bose, Sandip Roy	International Conference on Security, Surveillance and Artificial Intelligence (ICSSAI-2023)	IoT-based Smart Door System for Contactless Face Mask and Body Temperature Monitoring in Public Spaces: A Secure Framework for Enhanced Health Safety	2024	978-1-0034-2845-9	CRC Press
Gourango Ghosh, Sunil Karforma, Amirul Islam, Anirban Panja	International Conference on Advanced Computational and Communication Paradigms	Enhanced Credit Card Fraud Detection with Hyperparameter-Optimized XGBoost Utilizing Custom Loss Function	2025	978-3-032-13555-1	Springer Nature Switzerland
Prof. Rajib Bandyopadhyay	Remediation of Plastic and Microplastic Waste	Risk and Remediation of Microplastic Pollution in Marine Life. In Remediation of Plastic and Microplastic Waste	2024	9781003449133	CRC Press
Prof. Abhijit Bandyopadhyay	Genetic Engineering of Crop Plants for Food and Health Security.	Tinkering with Stevia rebaudiana Genome to Improve Its Sweetening Property and Productivity	2024	978-981-99-5033-1	Springer Nature
Prof. Rajib Bandopadhyay	Resource Recovery from Industrial Wastewater through Microbial Electrochemical Technologies	Introduction to different types of microbial electrochemical technologies	2024	9781789063813	IWA Publishing
Prof. Rajib Bandopadhyay	Remediation of Plastic and Microplastic Waste	Risk and Remediation of Microplastic Pollution in Marine Life	2024	9781003449133	Springer



Name of the Teacher	Title of the book/ proceedings of the conference	Title of the Chapter	Year of publication	ISBN	Name of the publisher
Dr. Sujit Roy	Plant Responses to Cadmium Toxicity: Insights into physiology and defense mechanisms	Unveiling the mechanisms of DNA damage response and epigenetic modifications of chromatin in response to Cadmium-mediated phytotoxicity.	2024	978-3-031-73265-2	Springer Nature Switzerland
Dr. Dibyendu Saha	Agro-waste to Microbe Assisted Value Added Product: Challenges and Future Prospects: Recent Developments in Agro-waste Valorization Research	Sustainable Treatment of Agro-wastes for the Development of Novel Products Especially Bioenergy: Prospects and Constraints	2024	978-3-031-58024-6	Springer Cham, Switzerland
Dr. Dibyendu Saha	Hydrology-Current Research and Future Directions	A novel approach to explore new means of depletion of potable water crisis by phytoremediation of Abandoned Coalmine PL and generate alternate livelihood: A case study of Raniganj Coalfield, West Bengal, India	2024	978-0-85466-055-1	IntechOpen Ltd., London
Dr. Dibyendu Saha	Achieving Sustainability in Raniganj Coalfield. The Indian Coal Industry in the 19th Century and Today	-	2024	9783389063989	Grin Verlag, Germany
Prof. Tushar Kanti Maiti	Plant Microbe Interactions : A Comprehensive Review	Halotolerant Plant Growth Promoting Rhizobacteria: The Hidden Gem	2025	9789815324150	Bentham Science Publishers
Prof. Rajib Bandopadhyay	Development in Waste Water Treatment research and Processes	Biotransformation of environmental pollutants: Exploring halophilic microbial interventions	2025	9780443365522	Elsevier
Dr. SAIKAT NASKAR	Global warming, climate change & crisis	Perils of the Tidal Forests: Understanding Threats to Mangroves in the Indian Sundarbans	2025	9789363550476	Evincepub publishing House
Dr. SAIKAT NASKAR	Sustainable Management of Delta Ecosystems Resilience	Thriving Through Adaptation: Unveiling the Species Diversity and Conservation of Mangroves in the Indian Sundarbans Delta	In Press	978-3-032-16260-1	Springer Nature



Name of the Teacher	Title of the book/ proceedings of the conference	Title of the Chapter	Year of publication	ISBN	Name of the publisher
Dr. SAIKAT NASKAR	Ion Transporters, The Clue to Salt Tolerance and Adaptation in Plants	Functional traits of mangroves and mangrove associate species for maintaining ionic homeostasis	In Press	9781032629193	CRC press , London
Dr. SAIKAT NASKAR	Mangrove Ecosystems - Geospatial Mapping, Modeling and Management for Sustainable Development	Stem anatomical adaptation of mangrove	In Press	-	Springer Nature
Dr. Sujit Roy	Nanomaterial-Plant Dynamics: Mechanisms, Toxicity and Sustainable remediations	Exploring the mechanisms of nanomaterials in sustainable remediation and toxicity assessment towards improving plant growth and crop productivity	In Press	-	Springer
Dr. Sujit Roy	Salt-Affected Soil and Plant Resilience	Decoding the dynamic epigenetic interplay in plant transcriptional regulation under salinity stress	In Press	-	Springer
Dr. Sujit Roy	Omics Technologies in Plant science- Unlocking the Genetic Potential of Crops	The intricate role of epigenetic modifications in shaping plant transcriptome	In Press	-	Springer Nature
DR. NISHIKA JAISHEE	Pteridophytes: Potential Phytoremediator for a Sustainable Environment	-	2025	978-981-96-8259-1	Springer Nature Singapore.
DR. NISHIKA JAISHEE	Regulatory Mechanisms Underlying Specific Biosynthetic Pathways in Response to Exogenous Elicitors	-	2025	9781032702322	CRC Press, Taylor & Francis Group.
DR. NISHIKA JAISHEE	International Conference on Medicinal Plants, Biodiversity Conservation, Natural Products for Health Care Needs in Traditional System of AYUSH Medicine (MBNHA-2025)-ABSTRACTS	Investigation Of Antidiabetic And Antibacterial Potential Of An Under-Explored Fern of Darjeeling Himalayas, West Bengal-India	2025	9789361220524	Department of Forestry, Nagaland University.



Name of the Teacher	Title of the book/ proceedings of the conference	Title of the Chapter	Year of publication	ISBN	Name of the publisher
Dr. Dibyendu Saha	Groundwater Resource Management Planning Strategies A Geospatial Approach: Volume 1	Assessment of Various Types of Potable Water Quality and Analyses the Impact of Coal Mining on It Around Raniganj Coalfield, West Bengal in India: Challenges and Strategies	2025	978-3-031-88869-4	Springer Cham, Switzerland AG
Dr. Rajesh Das	Human Touchin the Digital Age: Re-humanizing Library and Information Services	Public Library System as a Guadians of Cultural Heritage	2025	9789334369410	Jadavpur University
Dr. Rajesh Das	Human Touchin the Digital Age: Re-humanizing Library and Information Services	Methodology for Measuring the Quality of the Journals Indexed in DOAJ	2025	9789334369410	Jadavpur University
Dr. Rajesh Das	Human Touchin the Digital Age: Re-humanizing Library and Information Services	Research Trends in Information Retrieval for AI/ML based Automated Subject Indexing	2025	9789334369410	Jadavpur University
Dr. Rajesh Das	Human Touchin the Digital Age: Re-humanizing Library and Information Services	Extraction of Topics from Museum and Cultural Heritage Literature: A Topic Modelling Approach	2025	9789334369410	Jadavpur University
Dr. Rajesh Das	Human Touchin the Digital Age: Re-humanizing Library and Information Services	AI Generated Classification Numbers vs. Human Generated Classification Numbers: an Analysis	2025	9789334369410	Jadavpur University
Dr. Rajesh Das	Social Sustainability in Times of Crisis: Pathways for Adaptation and resilience	Towards Sustainable Learning Environments: Analysing Information Seeking Behaviour of PG Feamale Learners at the University of Burdwan	2024	9789173080774	Red Shine, Sweden
Dr. Sukumar Mandal	12th Convention PLANNER 2024	Revealing Excellence: The Art and Science of Library Best Practices	2024	978-93-81232-13-2	INFLIBNET Centre Gandhinagar
Dr. Sukumar Mandal	Proceedings of the International Conference on Smart Systems and Social Management (ICSSSM-2 2025)	Empowering Digital Library Management through Knowledge Graphs	2025	978-2-38476-533-1	Atlantis Press



Name of the Teacher	Title of the book/ proceedings of the conference	Title of the Chapter	Year of publication	ISBN	Name of the publisher
Dr. Sukumar Mandal	Proceedings of the International Conference on Smart Systems and Social Management (ICSSSM-2 2025)	Precision-Based Image Classification of Library Books with Machine Learning Algorithms	2025	978-2-38476-533-1	Atlantis Press
Rajarshi Majumder (with Sanjukta De)	Nilendu Chatterjee, Suchandra Biswas, Kalyan Chattopadhyay (eds) Role of Industry Academia Interface in Skill Development: Internalising Education Policies	Education & Skill Among Indian Youth: Evidence and Scope after NEP 2020	2024	9781041028741	Routledge
Rajarshi Majumder (with Jhilam Ray)	Alakshendra, A., Datta, A., Reddy, B. (eds) Development, Inclusion and Sustainability: Issues and Perspectives	Development and Exclusion: Intergenerational Stickiness in India	2025	9819768632	Springer
Manjuri Pakhira and Pravat Kumar Kuri	Employment ,Empowerment and Sustainability: Pathways to Viksit Bharat 2047	Rural Non-Farm Employment and Poverty in India: A Micro as well as Macro Level Analysis	2025	978-93-48699-83-1	Allied Publishers Pvt. Ltd.
Soumyana nda Dinda (with Sanchita Daripa)	Hurdles in Fuel Choice in Rural India	-	2024	978-3-031-71604-1	Springer
Arnab Kumar Sinha	Kalapani Crossings, Gender and Diaspora: Indian Perspectives	Queer Diaspora and Hindu Rituals: Shani Mootoo's Moving Forward Sideways Lika a Crab	2024	978-1-032-38929-5, 978-1-5275-6680-4	Routledge
Arnab Kumar Sinha	Ecofeminism and Allied Issues	Water, Mother and Igbo Spirituality: The Interface between Ecofeminism and Religion in Flora Nwapa's The Lake Goddess	2024	978-1-5275-6680-4	Cambridge Scholars Publishing
Angshuman Kar	Translated Abanindranath Tagore's Khirer Putul: The Doll of Thickened Milk	-	2025	978-8119858323	Hawakal Publishers



Name of the Teacher	Title of the book/ proceedings of the conference	Title of the Chapter	Year of publication	ISBN	Name of the publisher
Angshuman Kar	The Lost Pendant: Bengali Partition Poems in English (Edited book)	-	2025	978-9349541863	Hawakal Publishers
Angshuman Kar	The Captive Speaks: Politics, Education and Environment	-	2024	978-9391736842	Birutjatio Sahitya Sammiloni
Angshuman Kar	Climate Change and Cultural Representations: Australian and Indian Perspectives (Edited book)	-	2025	978-9391736798	Birutjatio Sahitya Sammiloni
Raju Thapa, Raju Sarkar, Srimanta Gupta, Harjeet Kaur, Nasibul Alam	Geomorphic Risk Reduction Using Geospatial Methods and Tools	Geospatial Study of River Shifting and Erosion–Deposition Phenomenon Along a Selected Stretch of River Damodar, West Bengal, India	2024	978-981-99-7707-9	Springer, Singapore
Sucharita Saha, Srimanta Gupta	New Advancements in Geomorphological Research: Issues and Challenges in Quantitative Spatial Science	Geospatial Analysis of Groundwater Recharge Potential: An Insight into a Hard Rock Terrain of West Bengal, India	2024	978-3-031-64163-3	pringer, Cham
Syantika Mukherjee, Srimanta Gupta, and Sumanta Nayek	Intelligent Systems and Simulation Mathematical and Environmental Modeling	Water Quality Predictive Analysis and Forecasting Dissolved Oxygen (DO) Using Neural Network Model	2025	9781032799810	CRC Press
Debjani Dutta, Srimanta Gupta, and Sharadia Dey	Intelligent Systems and Simulation Mathematical and Environmental Modeling	A Comprehensive Analysis of the Mismatch between Satellite and Ground-Based Particulate Matter Concentration over Gangetic West Bengal, India	2025	9781032799810	CRC Press



Name of the Teacher	Title of the book/ proceedings of the conference	Title of the Chapter	Year of publication	ISBN	Name of the publisher
Kamalesh Sen, Debojyoti Mishra, Naba Kumar Mondal	Modern Cartography Series	Arsenic enrichment in the groundwater mechanism through hydrogeochemical control, mobilization, and sorption in the Lower Gangetic Basin in West Bengal	2024	978-0-443-23890-1	Elsevier
Riya Sen and Naba Kumar Mondal	Degradation of the Earth and Environment	Present status of nitrate pollution in groundwater and its possible remedies	2024	978-93-91139-82-7	Rajesh Publications
Chittaranjan Das, Deep Chakraborty, Naba Kumar Mondal	Emerging Sustainable Nanomaterials for Biomedical Applications	Silica Nanoparticle for the Treatment of Bacterial Infections	2024	978-3-031-63960-9	Springer
Kamalesh Sen, Naba Kumar Mondal	Microplastics in the Terrestrial Environment	Review of Electrochemical Sensors for Microplastics Monitoring and Their Remediation	2024	1867-979X	CRC Press
Dr Sudipto Mandal	Water Resources Monitoring, Management, and Sustainability: Application of Geostatistics and Geospatial Modeling	Emission of nitrous oxide in tidal-influenced mangrove ecosystem of Indian Sundarban	2024	1474-8177	Elsevier
Dr Sudipto Mandal	Soil bacteria are more conducive to cowpea (<i>Vigna unguiculata</i> L. Walp) growth than the physico-chemical factors in agricultural fields of India	Soil bacteria are more conducive to cowpea (<i>Vigna unguiculata</i> L. Walp) growth than the physico-chemical factors in agricultural fields of India	2024	1474-8177	Elsevier
G. C. Layek	An Introduction to Dynamical Systems and Chaos, 2nd Edition	Conjugacy of Maps	2024	978-981-99-7695-9	Springer Nature Singapore
G. C. Layek	An Introduction to Dynamical Systems and Chaos, 2nd Edition	Phase Plane Analysis	2024	978-981-99-7695-9	Springer Nature Singapore



Name of the Teacher	Title of the book/ proceedings of the conference	Title of the Chapter	Year of publication	ISBN	Name of the publisher
G. C. Layek	An Introduction to Dynamical Systems and Chaos, 2nd Edition	Symmetry Analysis	2024	978-981-99-7695-9	Springer Nature Singapore
G. C. Layek	An Introduction to Dynamical Systems and Chaos, 2nd Edition	Oscillations	2024	978-981-99-7695-9	Springer Nature Singapore
G. C. Layek	An Introduction to Dynamical Systems and Chaos, 2nd Edition	Stability Theory	2024	978-981-99-7695-9	Springer Nature Singapore
G. C. Layek	An Introduction to Dynamical Systems and Chaos, 2nd Edition	Linear systems	2024	978-981-99-7695-9	Springer Nature Singapore
G. C. Layek	An Introduction to Dynamical Systems and Chaos, 2nd Edition	Some Maps	2024	978-981-99-7695-9	Springer Nature Singapore
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G. C. Layek	An Introduction to Dynamical Systems and Chaos, 2nd Edition	Theory of Bifurcations	2024	978-981-99-7695-9	Springer Nature Singapore
G. C. Layek	An Introduction to Dynamical Systems and Chaos, 2nd Edition	Continuous Dynamical Systems	2024	978-981-99-7695-9	Springer Nature Singapore
G. C. Layek	An Introduction to Dynamical Systems and Chaos, 2nd Edition	Fractals	2024	978-981-99-7695-9	Springer Nature Singapore
Arijit Ghoshal	International Conference on Natural Sciences and Engineering for Sustainable Development (NSES 2024)	Multipole Polarizabilities of Spherically Confined Hydrogen Atom in Non-ideal Classical Plasmas	2024	9788197108761	NEW DELHI PUBLISHERS
Mantu Saha	Soft Computing / Fixed-point Results on Strong Jleli-Samet- F -Metric Spaces and Applications	Fixed-point Results on Strong Jleli-Samet- F -Metric Spaces and Applications	2024	9781003466260	Taylor & Francis Group
Mantu Saha	Complex Analysis		2025	978-93-91741-55-6	Levant Books



Name of the Teacher	Title of the book/ proceedings of the conference	Title of the Chapter	Year of publication	ISBN	Name of the publisher
Kuppalalalle Vajravelu, John P Abraham, Swati Mukhopadhyay, Pallavarapu Lakshminarayana	Nanofluid Flow, heat, and mass transfer at stretching surface	-	2025	10.1201/9781003571278	CRC Press
Kuppalalalle Vajravelu, John Patrick Abraham, Swati Mukhopadhyay, P Lakshminarayana	Advances in Heat Transfer	Advances in nanofluid flow, heat, and mass transfer at moving/stretching surfaces	2024	https://doi.org/10.1016/bs.aiht.2024.05.003 , ISBN: 0065-2717	Elsevier
Ali Akbar Shaikh, Ioannis Konstantaras, Irfan Ali, Ata Allah Taleizadeh, Nita H. Shah	Supply Chain Finance Modelling and Optimization		2024	978-981-97-2358-4 Doi https://doi.org/10.1007/978-981-97-2359-1	Springer Nature Singapore
Dr. Saswati Gangopadhyay	Media in the Changing Times	Impact of Filter Bubbles on social media	2024	9788198012401	Centre for Media Research and Development Studies, Dr. S. Sur
Dr. Saswati Gangopadhyay	AI, Digital Media & Technology: Indian Binaries	Dynamics of Social Media Movements in Shaping Cultural Norms and Values.	2024	978-93-341-4105-4	Institute of Media Studies, Bhubaneswar



Name of the Teacher	Title of the book/ proceedings of the conference	Title of the Chapter	Year of publication	ISBN	Name of the publisher
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Nirmal Chandra Roy	Production and Operations Management.	-	2024	9789358406061	Himalaya Publishing House: Mumbai, India
Nirmal Chandra Roy	Global HRM: Understanding Culture, Diversity, Strategy and Change.	-	2025	978-93-7105-373-0	Himalaya Publishing House: Mumbai, India
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Nirmal Chandra Roy	Technological innovation in global cultural tourism	Navigating the dark side of tourism: Ethical dilemmas, impacts, and cultural reflections: A narrative review	2025	9798369331965	IGI Global (Business Science Reference).
Nirmal Chandra Roy	Contemporary Business Practices and Sustainable Strategic Growth	Impact of training on the performance of the worker: Study of the North Bengal region of the Indian tea industry.	2025	9789815322088	Bentham Science Publishers.[
Dr Abhishek Mishra, Dr Nirmal Chandra Roy	Recent Researches in Business Economics, And Society	An Ergonomic Assessment of Work-From-Home Employees During And Post Covid-19: Posture, Workstation Setup, And Associated Discomforts	2025	978-91-410018-6-2	-
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Somasri Dam	Handbook of Proteases in Cancer Therapeutic Aspects. CRC Press. Taylor & Francis Group	Ubiquitin-specific Proteases for the Treatment of Breast Cancer.	2024	9781003394693	-



Name of the Teacher	Title of the book/proceedings of the conference	Title of the Chapter	Year of publication	ISBN	Name of the publisher
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Dr Sourav Madhur Dey	Human-Centered Approaches in Industry 5.0: Human-Machine Interaction, Virtual Reality Training, and Customer Sentiment Analysis	From Code to Care & Navigating Ethical Challenges in AI Healthcare	2024	ISBN: 979-8-3693-2647-3; E-ISBN: 979-8-3693-2648-0	IGI Global (USA)
Amitava Choudhuri	Advanced Studies in Bioscience, Biotechnology and Biochemistry (Volume-1)	Protein Dynamics in Light of Davydov's Soliton Concept	2024	978-93-93992-89-5	Helmand Books
Rahul Das	Nanoparticle Toxicity and Compatibility	Future Directions in Nanomaterials Research for Biological Applications	2024	978-1-64490-299-8	Materials Research Forum LLC, Millersville, PA 17551, USA
Gopa Samanta	Sustainable Urban Forms and Communities: Urban Geographies of Eastern India	Municipal Financing and Infrastructure: District level Analysis of the Urban Local Bodies in West Bengal	2025	ISBN-978-1-032-26648-0	Routledge, New York
Gopa Samanta	Urbanisation in Bengal: Ideas, Institutions and Policies	Urbanisation in Bengal: An Introduction	2024	ISBN: 978-1-032-36132-1	Routledge, London and New York
Gopa Samanta	Elgar Encyclopedia of Water Policy, Economics and Management	Governing Water in the Cities of Global South	2024	https://doi.org/10.4337/9781802202946.00030	Elgar Publication



Name of the Teacher	Title of the book/ proceedings of the conference	Title of the Chapter	Year of publication	ISBN	Name of the publisher
Gopa Samanta	The Way Ahead: Violation of Human Rights and related Social Stigma against LGBTQ in Indian Society	LGBTQ: Othering as the Process of Exclusion	2024	ISBN: 978-93-92038-56-3	EBH Publishers, Guwahati
Halder Sourav, Jana, N. C. and Satpati, L. N.	Geographical Dimensions of Environmental Sustainability	Geographical Dimensions of Environmental Sustainability (Proceedings of IGU Thematic Conference 2022, India)	2024	978-981-96-0604-7	Springer Nature, Singapore
Halder Sourav and Jana, N. C.	Emerging Geosustainability Transformations in India	Emerging Geosustainability Transformations in India	2025	978-981-97-7995-6	Springer Nature, Singapore
Prof. Namita Chakma	Livelihoods and Well Being in the Era of Climate Change Risk to Resilience Across India	Adapting to Climate Variability Under Water-Scarce Environment: How Do Diverse Adaptive Initiatives on Irrigation Matter for Farm-Based Livelihood in a Water Insecure Area of West Bengal, India?	2025	P-ISBN 978-3-031-81131-9; E-ISBN 978-3-031-81132-6	Springer, Cham
Prof. Namita Chakma	Disability and Peripherality. People, Cultures and Societies: Exploring and Documenting Diversities	Disability in Sikkim: Differential Patterns and Support Systems	2025	P-ISBN 978-981-96-0510-1; E-ISBN 978-981-96-0511-8	Springer, Singapore
Prof. Namita Chakma	Sustainable Urban Forms and Communities Urban Geographies of Eastern India	Urbanization and development in West Bengal: A district-level analysis	2025	ISBN 9781032834535	Routledge
Prof. Namita Chakma	Population Environment and Disease Towards Health Geography	Practice of Female Sterilization Among Currently Married Women in West Bengal, India: Trends and Magnitude of Differentials	2024	P-ISBN 978-3-031-67623-9; E-ISBN 978-3-031-67626-0	Springer, Cham



Name of the Teacher	Title of the book/ proceedings of the conference	Title of the Chapter	Year of publication	ISBN	Name of the publisher
Prof. Namita Chakma	Developments in Environmental Science	Pervasiveness of stunting among children under-5 years of age in urban India with special reference to West Bengal: An examination from the National Family Health Survey (NFHS)	2024	ISBN: 978-0-443-21948-1	Elsevier
Dr. Subhankar Ghosh	New trends of Teaching, Learning and Technology	STEM Education@ NEP-2020: Nexus of Sustainable Development in 21st Century	Aug-24	978-1-304-12628-3	RED'SHINE Publication
Dr. Subhankar Ghosh	ICT and Digital Education'	Rejuvenating Higher Education for Sustainable Development through ICT and NEP-2020	Jul-24	978-1-304-18767-3	RED'SHINE Publication
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Dr. Subhankar Ghosh	Multidisciplinary and Mother Tongue Based Higher Education	Global Citizenship Education (GCED) for Achieving Sustainable Development Goals (SDGs) in Higher Education through the lens of NEP-2020	Nov-24	978-93-6389-806-6	Kunal Books, New Delhi
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Name of the Teacher	Title of the book/proceedings of the conference	Title of the Chapter	Year of publication	ISBN	Name of the publisher
K N Chattopadhyay	Heutagogy In Higher Education: Redefining Lifelong Learning	Integrating heutagogy in distance education: Fostering learner autonomy	Jan-25	doi.org/10.25215/9348701789.02	Redshine Publication
K N Chattopadhyay	Education 5.0 Transforming the Educational Landscape	The Scope of Stem Education in the Era of Education 5.0	Sep-24	978-81-970528-8-0	The Lawgical Junction and MJS Publishing House.
Chandan Adhikary	WBSSC Cracker: A Fast Track Guide in Education	-	2025	978-93-6008-144-7	-
Chandan Adhikary	Teacher Education at the Crossroads: Navigating NEP 2020 Reforms	Adaptive Pedagogy as a Remedial Tool for Eradicating Students Misconceptions'	2025	978-93-6389-232-3	-
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