



4TH REGIONAL SCIENCE & TECHNOLOGY CONGRESS (WESTERN REGION), 2019 [RSTC (WR), 2019]



Organised jointly by The University of Burdwan, Burdwan and
Department of Science & Technology and Biotechnology, Government of West Bengal
December 09-10, 2019

No.: BU/RSTC/2019/NOT-05

Date: 10/12/2019

Following is the list of presenters who ranked 1st, 2nd or 3rd in paper presentations (in oral and poster mode) in different disciplines of the 4th Regional Science & Technology Congress (Western Region), 2019 held at The University of Burdwan during December 09-10, 2019. Presenters who were unable to receive certificate and memento in the 'Prize Distribution Ceremony' on 10-12-2019 can collect the same from **Dr. Kaushik Ghosh, Department of Zoology, The University of Burdwan** on any working day within two weeks.

On behalf of the Organising Committee

Professor Arijit Ghoshal & Dr. A. K. banerjee
Organising Secretary
RSTC(WR), 2019
The University of Burdwan



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AWARD LIST

Agriculture-Fisheries and Animal Science

POSITION	ID	Name of presenter	University / College	Title of the Paper	Mode of presentation (ORAL/POSTER)	Abstract number
1 st	73241202	PIYALI MUKHERJEE	The University of Burdwan	Algae Biomass as Alternative to Wood Pulp in Handmade Paper Technology	O	ASO12
2 nd	99615886	SANDIPAN TALUKDAR	The University of Burdwan	Evaluation of bio-processed Ficus religiosa Leaf Meal in the Diets of Rohu, <i>Labeo rohita</i> (Hamilton): Effects on Growth, Metabolism and Activities of Digestive Enzymes	O	ASO16
3 rd	26001020	SAMIDDHA BANERJEE	Visva Bharati University	Role of RIG1 Gene against Haemonchus contortus, a gastro intestinal deadly parasite in <i>Ovis aries</i>	O	ASO15
1 st	49621059	MANTU CHAKRABORTTY	Vidyasagar University	Inhibition of Acetolactate Synthase (ALS) by sulfonyleurea group containing active ingredients: an in-silico Approach	P	ASP02
2 nd	94433810	SHYAMAL DOGRA	Vidyasagar University	Cultivation Of 'Paanifol' In Ghoshpur GP, Panskura, Purba Medinipur	P	ASP04



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Botany

POSITION	ID	Name of presenter	University / College	Title of the Paper	Mode of presentation (ORAL/POSTER)	Abstract number
1 st	60362659	AVISHEK SARKAR	The University of Burdwan	Effect of microbial inocula on production of principal secondary metabolite plumbagin from the medicinal plant <i>Plumbago zeylanica</i> L.	O	BOO03
2 nd	54442283	BABITA PAL	The University of Burdwan	Standardization of quality redox parameters for assessing the seed health under storage of some indigenous aromatic rice cultivars (IARCs) of West Bengal	O	BOO04
1 st	51305945	SUNANDA DUTTA	The University of Burdwan	Siderophoregenesis Optimization of <i>Penicillium roqueforti</i> (MCC-1717), Isolated as a Dark Septate Root Endophytic Fungus from the Medicinal Herb <i>Celosia cristata</i> L.	P	BOP24
2 nd	26997584	ABHINANDA GHOSH	THE UNIVERSITY OF BURDWAN	Mass multiplication of the VAM fungus <i>Rhizophagus irregularis</i> by using different host plants	P	BOP01
3 rd	58657653	SUBRATA MAJUMDER	THE UNIVERSITY OF BURDWAN	Phytolith As An Effective Taxonomic Tool In Different Members of Cyperaceae	P	BOP21



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Chemistry

POSITION	ID	Name of presenter	University / College	Title of the Paper	Mode of presentation (ORAL/POSTER)	Abstract number
1 st	36710736	UJJAL KANTI ROY	Kazi Nazrul University	Sono-chemically Synthesized Spin-canted CuFe ₂ O ₄ Nano-particles for Heterogeneous Green Catalytic Reactivity	O	CHO21
2 nd	52248572	DEBASISH KUNDU	Government General Degree College at Mangalkote	Nickel-Copper Dual Catalyzed sustainable C-C Cross Coupling of TMS-Acetylene	O	CHO04
1 st	90804273	SABYASACHI TA	The University of Burdwan	Detection of Cytochrome c in live cell using a new polynuclear Cu(II) complex	P	CHP17
2 nd	21962280	ARNAB SARKAR	THE UNIVERSITY OF BURDWAN	A nuclear-localized naphthalimide based fluorogenic probe for selective detection of carbon monoxide in living cells	P	CHP05
3 rd	35441152	MULLICKA MANDAL	VISVA-BHARATI	Ultrasound-Assisted Eco-Friendly Synthesis of Bio-Relevant Coumarin and Uracil Molecular Hybrids	P	CHP13



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Earth Science

POSITION	ID	Name of presenter	University / College	Title of the Paper	Mode of presentation (ORAL/POSTER)	Abstract number
1 st	43959738	MANOJ KUMAR MAHATO	The University of Burdwan	Spatial distribution and factors responsible for different types of Wastelands in Drought-prone Puruliya District, West Bengal	O	ESO07
2 nd	87425072	SOMNATH MUKHERJEE	Bankura Christian College	Tribal Social Ecology of Purulia District	O	ESO15
3 rd	10975474	MITRAJIT CHATTERJEE	KABI SUKANTA MAHAVIDYALAYA	Riverine Morphology In The Southern Part of Nadia District, West Bengal	O	ESO08
1 st	46271161	SHYAMAL DUTTA	NA	Analyzing forest health in the South-Western West Bengal, India using Analytical Hierarchy Process	P	ESP09
2 nd	39503683	MONIDIPA CHATTERJEE	Kazi Nazrul University	Urban Development Site Suitability Analysis Using Geographical Information System and Random Forest Model	P	ESP06



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Engineering

POSITION	ID	Name of presenter	University / College	Title of the Paper	Mode of presentation (ORAL/POSTER)	Abs. No.
1 st	46753837	SUBHAJIT MITRA	IIT Kharagpur	Effect of Welding Speed on Residual Stress for Fixed Heat Input during Laser Welding	O	EGO18
2 nd	79319071	KRISHNAN BANDYOPADHYAY	NIT DURGAPUR	Investigation of lattice parameter and Stacking fault energy of various metallic alloy nanoparticles using Atomistic Approach.	O	EGO09
1 st	60136355	JOYEETA BOSE	NATIONAL INSTITUTE OF TECHNOLOGY, DURGAPUR	Incorporation of Functionalized Silicon Carbide Nanoparticle into the Membrane matrix to improve the Inevitable Property of Two Different Polymer	P	EGP10
2 nd	72335608	SHAMBHUNATH DUTTA	NIT DURGAPUR	Application of Multilevel inverter in Renewable energy technologies	P	EGP18
3 rd	89617553	KARUNAMOY MAJI	Institute of Science & Technology, Chandrakona Town	Developing a Machine Learning Based Algorithm for Recruitment	P	EGP11



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Environmental Science

POSITION	ID	Name of presenter	University / College	Title of the Paper	Mode of presentation (ORAL/POSTER)	Abstract number
1 st	21622468	SUCHARITA SAMANTA	National Institute of Technology Durgapur	Synthesis of LDPE film through dispersion of Rice boiled water derived starch towards enhancement of its biodegradability	O	ENO19
2 nd	56561053	NABA KUMAR MONDAL	Burdwan University	Efficacy of fish scales (Catla catla) powder towards decontamination of toxic industrial dye (congo red)	O	ENO09
1 st	92977752	SUTAPA BAURI	VIDYASAGAR UNIVERSITY	Degradation mechanism of chlorsulfuron and metsulfuron- methyl by microbial catechol 2, 3-dioxygenase – an in silico approach	P	ENP33
2 nd	73068338	DEBOJYOTI MISHRA	The University of Burdwan	Statistical appraisal of arsenic and iron in groundwater enrichment in areas of Murshidabad, West Bengal, India	P	ENP11
3 rd	99351153	PRIYANKA DEBNATH	The University of Burdwan	Photocatalytic degradation of the antibiotic amoxicillin trihydrate (AMT) using biofabricated ZnO nanoparticles: kinetics and thermodynamics study	P	ENP18



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Mathematics

POSITION	ID	Name of presenter	University / College	Title of the Paper	Mode of presentation (ORAL/POSTER)	Abstract number
1 st	86003232	RITABRATA BISWAS	THE UNIVERSITY OF BURDWAN	Lower Limit of Shear Viscosity to Entropy Density Ratio : String Theoretic Predictions Versus Dark Energy Accretion Results	O	MAO14
2 nd	93473595	AVISHEK CHAKRABORTY	NARULA INSTITUTE OF TECHNOLOGY	Classification of Triangular Bipolar Neutrosophic Numbers, De-Bipolarization Skills and Applied in MCDM Problem	O	MAO03
3 rd	82712740	SUBHAS KHAJANCHI	Presidency University	Modeling the dynamics of spatiotemporal pattern formation of malignant gliomas and immune system interaction	O	MAO21
1 st	25409558	SANDIP DUTTA	The University of Burdwan	Viscous Dark Energy Flow Towards Black Holes Causing Strengthening of Wind and Weakening of Accretion: Drop of Density	P	MAP16
2 nd	74849250	AKASHDIP KARMAKAR	THE UNIVERSITY OF BURDWAN	Scattering of charged particles in quantum plasmas	P	MAP02



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Medical Science

POSITION	ID	Name of presenter	University / College	Title of the Paper	Mode of presentation (ORAL/POSTER)	Abstract number
1 st	52292613	ISHITA SAHA	Medical College and Hospital, Kolkata	Angiotensin II blockers regulating uterine ECM remodelling and apoptosis	O	MSO10
2 nd	29299961	DIPANKAR SAHA	The University of Burdwan	Validity of the modifier Gene Loci Obtain in Human Disease Ontology database in Thalassemia Major and Intermedia patients with Same HBB Genotype	O	MSO08
1 st	46501814	PAULAMI SARKAR	WBUHS	Effectiveness Of Magnesium Phosphoricum 6x In Comparison With Individualized Homoeopathic Treatment Of Primary Dysmenorrhoea: An Open Randomized Pragmatic Equivalence Trial	P	MSP15
2 nd	31491591	DEBASHIS PAL	The university of Burdwan	Whole Exome Sequence Based study to justify the Severe Anemic Condition in E- Beta Thalassemia patient	P	MSP07
3 rd	60470259	DIPANJANA GHOSH	The University of Burdwan	Application of RNA interference in the treatment of Thyroid cancer	P	MSP09



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Physics

POSITION	ID	Name of presenter	University / College	Title of the Paper	Mode of presentation (ORAL/POSTER)	Abstract number
1 st	66134602	PRADIPTA PANCHADHYAYEE	Prabhat Kumar College, Contai	Nontoxic Mosquito-repellant Solar LED Lamp	O	PHO12
2 nd	65697424	DIPALI GHOSH	Michael Madhusudan Memorial College, Durgapur	Ionization in Positronium - Sodium atom system	O	PHO07
1 st	34862242	MOUPIYA GHOSH	THE UNIVERSITY OF BURDWAN	Enhanced antibacterial activity of mechano-synthesized TiO ₂ -Ag nanocomposites	P	PHP18
2 nd	91629604	CHITRAK SARKAR	THE UNIVERSITY OF BURDWAN	Attractors in Cosmological Inflation with a Quantum Corrected Inflaton Potential	P	PHP09
3 rd	93221364	SK. IRSAD ALI	The University of Burdwan	Synthesis and Characterization of Lead Oxide Nanoparticles and Defect Studies through Positron Annihilation Spectroscopy	P	PHP23



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Physiology

POSITION	ID	Name of presenter	University / College	Title of the Paper	Mode of presentation (ORAL/POSTER)	Abstract number
1 st	10201384	BHAKTI LAHA	TDB College	DETECTION OF APICAL MEMBRANE ANTIGEN – LIKE PROTEIN IN LEISHMANIA DONOVANI, A FACILITATOR IN SUCCESSFUL PARASITISM	O	PGO02
2 nd	44099133	PRABAL GHOSH	Vidyasagar University	Antifertility activity of seed of Terminalia chebula in Wistar strain albino rat: An apoptotic, flowcytometric and genomic approach	O	PGO09
3 rd	32047317	PRITHVIRAJ KARAK	Bankura Christian College	Possibilities of developing novel potent antitumor agents from the leaves of Cryptomaria japonica	O	PGO10
1 st	15699033	ANINDYA MODAK	Bankura Christian College	CURCUMIN: A REVIEW OF ITS POTENTIAL ANTICANCER PROPERTIES AND MECHANISM OF ACTION	P	PGP03
2 nd	43693839	SOURAV SANTRA	Vidyasagar University	In Silico Revelation of Genomic Diversity of Aeromonas	P	PGP12



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Social Science and IPR and Others

POSITION	ID	Name of presenter	University / College	Title of the Paper	Mode of presentation (ORAL/POSTER)	Abstract number
1 st	11158556	KOYEL PAL CHOWDHURY	UNIVERSITY OF CALCUTTA	COMPARATIVE STUDY OF HEALTH, NUTRITION & PSYCHOLOGICAL CONDITIONS BETWEEN SEXUALLY VICTIMIZED GIRLS AND NORMAL ADOLESCENT GIRLS – A SOCIAL REPORT	O	SIO06
2 nd	36228483	Swarna Latha Kokatam	IIT Kharagpur	Biodegradation of Microplastics Analysis of Patenting Trends	O	SIO19
1 st	88309985	SUPARNA PAL	The University of Burdwan	The Spirit of Consumerism and Changes in Socio-Cultural Space: A Comparative Analysis of Rural and Urban Areas in West Bengal	P	SIP19
2 nd	87722571	ARINDAM ROY	The University of Burdwan	People-Wetland Association: An Assessment of Ecosystem Services of Purbasthali Oxbow Lake, West Bengal	P	SIP02



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Zoology

POSITION	ID	Name of presenter	University / College	Title of the Paper	Mode of presentation (ORAL/POSTER)	Abstract number
1 st	79373264	PAROMITA ROY	The University of Burdwan	Characterization of six phosphate solubilizing bacteria isolated from rhizospheric soil of the paddy plants of Purba Bardhaman district, West Bengal, India	O	ZOO10
2 nd	23009152	ARNAB CHATTERJEE	The University of Burdwan	Oxidative stress biomarkers in Tubifex tubifex exposed to insecticide lambda cyhalothrin	O	ZOO05
3 rd	51291720	SUMANA DUTTA	THE UNIVERSITY OF BURDWAN	Aqueous extract from Manilkara hexandra leaves reduced serum glucose level in Labeo rohita fingerlings	O	ZOO18
1 st	43585756	RITWICK BHATTACHARYA	The University of Burdwan	Sodium Dodecyl Sulphate Induced Hematological and Biochemical Changes in Common Carp (<i>Cyprinus carpio</i>)	P	ZOP10
2 nd	84255388	ANINDITA GOSWAMI	BURDDWAN UNIVERSITY	The Influence of IL1RN VNTR Polymorphism on Cervical Cancer Susceptibility among Some Tribal Communities	P	ZOP02



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EXHIBITION

SCHOOL LEVEL	
1 st	Memari V. M. Institution (Unit – II) (HS), Burdwan
2 nd	Anukhal High School (HS), Burdwan
COLLEGE LEVEL	
1 st	Rabindra Mahavidyalaya, Champadanga, Hooghly
2 nd	MUC Women's College, Burdwan
UNIVERSITY LEVEL	
1 st	Department of Environmental Science
2 nd	Department of Geograpy
2 nd	Department of Mathematics