

CURRICULUM VITAE as on 23.06.2021



- 1. Name:** Prof. (Dr.) Nimai Chandra Saha
- 2. Father's Name:** Sri Alope Nath Saha
- 3. Date of Birth:** 29-03-1960
- 4. Present Position:** Vice Chancellor, The University of Burdwan, Burdwan 713104, West Bengal, India
- 5. Address (Home):** Vice Chancellor's Bungalow, Rajbati, Burdwan, Dist. Purba Bardhaman, West Bengal, PIN 713104
- 6. Address (Office):** The University of Burdwan, Rajbati, Burdwan, Dist. Purba Bardhaman, West Bengal, PIN713104
- 7. Telephone:** Mob: +919051342474, 8617482954
- 8. E mail:** vcbunsaha@gmail.com, vc@buruniv.ac.in, ncsaha@zoo.buruniv.ac.in
- 9. Mother Tongue:** Bengali
- 10. Languages Known:** English, Bengali and Hindi
- 11. Nationality:** Indian
- 12. Education:**

Name of Degree	Subject	Year of Passing	Name of University	Remarks
B.Sc. (Hons.)	Zoology	1980	University of Kalyani	
M.Sc.	Zoology	1982	University of Kalyani	I (1 ST in First Class)
Ph.D	Zoology	1992	University of Kalyani	
Title of Thesis: Effects of quinine factory wastes on fish and aquatic ecosystem				
D.Sc	Zoology	2021	Raiganj University	
Title of Thesis: Toxicity of some commonly found chemicals in the industrial effluents, sewage and trade wastes to fish and aquatic ecosystem and their bioremediation				

13. Fields of Specialization under the Subject/Discipline:

- Fisheries Sciences
- Aquatic Toxicology
- Ecology

- Environmental Sciences

14. Experiences:

(a) **Teaching:** 35 years

(b) **Research:**

Research Experience: 36 years

Research Guiding Experience: about 31 years

Number of Ph.D. completed scholar: 6

Number of currently working scholar: 8

Number of post doc fellow: 03

Number of currently working post doc fellow: 03

(c) Sponsored R & D Projects Handled/Being Handled During Last Five (5) Years:

- **Project Co-ordinator**, Major Research Project, DBT, Govt. of India, entitled “Prebiotic feed supplement for growth improvement of Indian major carps, *Labeo rohita*, *Cirrhinus mrigala* and *Catla catla* under composite culture system: A gut microbiome and nutrigenomics based approach” -[BT/PR28574/AAQ/3/920/2018] .
- **Co-Principal Investigator**, Major Research Project, DHESTBT, WB, entitled “Breeding habitat characterization of filarial vector *Culex quinquefasciatus* in the coastal areas of Digha and its bio-environmental management”; Rs 14 lakh; 2018.
- **Co-Principal Investigator**, Major Research Project, DHESTBT, WB, entitled “Studies on the status and distribution patterns of microplastics in the aquatic ecosystems of Hooghly River and their effects on food chain”.
- **Co-Principal Investigator**, Major Research Project, DHESTBT, WB, entitled “Exploring the use of plant as galactagogues by tribal population of Purulia and West Midnapur district and their validation” Sanctioning Memo: 261(Sanc)/FT/P/S&T/1G-59/2017 dated 25-03-2018
- **Team Leader**, DST PURSE Phase 2; Rs 7.1 crore; duration 01-04-2017 to 31-03-2021
- **Principal Investigator**, Major Research Project, DST, WB, entitled “A research for the modulatory role of some plants of common occurrence in chronic pesticide pollution in aquatic biota”. Sanctioning Memo: 1265(Sanc.)/ST/P/S&T/5G-3/13 dated 30-03-2015

(d) Administrative:

- **As Professor of West Bengal Senior Education Service/Principal of West Bengal Senior Education Service/ Additional Director of Public Instruction/Director of Public Instruction of Govt. of West Bengal/ Vice Chancellor of the University of Burdwan/Equivalent Position:** More than 16 years 8 months

(e) Foreign visit:

- Visited Bangladesh as special guest on 7-8th December, 2018 for attending 21th National conference and Annual General Meeting (AGM) 2018 of the Zoological Society of Bangladesh (ZSB), Bangladesh; and delivered lecture on the conference theme conservation of animal habitats for sustainable biodiversity organized by ZSB and Dept. of Zoology, University of Dhaka, Bangladesh.
- Visited Bangladesh as special guest on 8-9th December, 2017 for attending 20th International biennial conference and AGM 2017 of the Zoological Society of Bangladesh (ZSB); and delivered lecture on the conference theme The Blue Economy: Bangladesh Perspective organized by ZSB and Dept. of Zoology, University of Dhaka, Bangladesh.
- Visited Dept. of Statistics, Seoul National University, Seoul, South Korea as a Resource person during January 06-11, 2020.

15. Employment & Administrative Experience (Details):

- **Vice Chancellor, The University of Burdwan**, Burdwan, West Bengal: Tenure: 26.02.2021 to 25.02.2025, vide Notification No.40L/OM-59L/2021 dated 25.02.2021 of Dept. of Higher Education, Govt. of West Bengal.
- Vice Chancellor, The University of Burdwan, Burdwan, West Bengal: Tenure: 07.03.2017 (Forenoon) to 25.02.2021(afternoon), vide Notification No. 232-Edn(U)/BU-02/2000 dated 06.03.2017 of Dept. of Higher Education, Govt. of West Bengal.
- Vice Chancellor, The University of Burdwan, Burdwan, West Bengal: Tenure: 01.11.2016 (FN) to 06.03.2017(afternoon), vide Notification No. 873-Edn(U)/BU-02/2000 dated 28.10.2016 of Dept. of Higher Education, Govt. of West Bengal.
- **Professor and Director of Public Instruction**, West Bengal Senior Education Service (WBSES), W.B., Education Directorate, Bikash Bhavan, Government of West Bengal (01-01-2015 to 31-10-2016).
- **Professor and Additional Director of Public Instruction and Director of Public Instruction as Additional duty**(WBSES)(09-10-2014 to 31-12-2014)
- **Professor and Additional Director of Public Instruction**, (from 23-07-2013 to 8-10-2014), WBSES, W.B., Education Directorate, Bikash Bhavan, Government of West Bengal
- **Professor and Head** (WBSES): P.G. Dept. of Zoology, Barasat Govt. College (05-10-10 to 22-07-2013)
- **Principal**(WBSES): Krishnagar Govt. College, Krishnagar, Nadia (14-01-2009 to 04-10-2010)& Jhargram Raj College, Jhargram (11-08-2005 to 13-01-2009)
- **Principal**: Haringhata Mahavidyalaya, Haringhata, Nadia (01-06-2002 to 17-11-2003; On Lien)

- **Reader (WBES):** Presidency College, Kolkata, (18-11-2003 to 10-08-2005) & (07-04-1999 to 31-05-2002)
- **Lecturer, Assistant Professor and Reader in Zoology (WBES):** Jhargram Raj College, Jhargram, (07-07-1989 to 05-04-1999)
- **Lecturer in Zoology (WBES):** A.B.N. Seal College, Cooch Behar (15-06-1985 to 03-07-1989)

16. Awards & Fellowships Obtained:

- Merit Certificate for standing First in First Class in M.Sc. Examination, 1982 conferred by University of Kalyani.
- Fellow of Society of Environmental Sciences (F.S.E.Sc.) conferred by The Society of Environmental Science, Dumka for outstanding contribution in the field of Environmental Sciences, 2003.
- Certificate of Excellence for valuable contribution for the academic advancement of the Department of Zoology, Presidency College conferred by the said department, 2010.
- Fellow of the Zoological Society (FZS), Calcutta for outstanding contribution in the field of Zoology, 2016-17.
- Fellow of the Zoological Society of India (FZSI), for outstanding contribution in the field of Zoology, 2018-19.

17. Committee Member/Chairman:

- Member of the Senate, Syndicate, Court & Executive Council of different State aided Universities (Calcutta University, Burdwan University, Kalyani University, West Bengal State University, North Bengal University, Sidhu Kanho Birsha University, Vidyasagar University etc).
- Chairman/Member of the different academic & examination committees like BRS, PGBS, UGBS, Advisory Board.
- Chairman/Member of Search Committee for selection of Vice Chancellors and Deans of different state aided Universities.
- Member of Selection Committees for selection of teachers, officers and non teaching staff of different state aided Universities, West Bengal College Service Commission and Public Service Commission, West Bengal.
- Member of Standing Committee of different colleges and universities of West Bengal.
- Administrator/Chairman of different academic institutions.
- Member of different academic & administrative bodies of different Colleges & State aided Universities.
- Member of different policy making bodies of Higher Education Department, different Universities, colleges and other academic institutions.
- Member of the State Council of Higher Education, Govt. of West Bengal
- Chairperson of different committees of different Govt. colleges, West Bengal.

- State Liaison Officer of National Service Scheme (NSS).
- Successfully conducted NAAC evaluation of Jhargram Raj College, Jhargram, West Bengal during my service period 11-08-2005 to 13-01-2009.
- Chairman of an important section of Dept. of Science and Technology, Govt. of West Bengal.
- Chairperson of the NAAC PEER TEAM, Bengaluru; from October, 2017.
- Successfully conducted two Convocations of The University of Burdwan held on December, 2017 and June, 2019 respectively.

18. Papers Published in High Impact Journals:

1. Mondal, P., Garai, P., Chatterjee, A. and **Saha, N.C.**, 2021. Toxicological and therapeutic effects of neem (*Azadirachta indica*) leaf powder in hole-in-the-head (HITH) disease of fish *Anabas testudineus*. *Aquaculture Research*, 52(2), pp.715-723.
2. Bhattacharya, R., Chatterjee, A., Chatterjee, S. and **Saha, N.C.**, 2021. Oxidative stress in benthic oligochaete worm, *Tubifex tubifex* induced by sublethal exposure to a cationic surfactant cetylpyridinium chloride and an anionic surfactant sodium dodecyl sulfate. *Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology*, 240, p.108906.
3. Chatterjee, A., Bhattacharya, R., Chatterjee, S. and **Saha, N.C.**, 2021. Acute toxicity of organophosphate pesticide profenofos, pyrethroid pesticide λ cyhalothrin and biopesticide azadirachtin and their sublethal effects on growth and oxidative stress enzymes in benthic oligochaete worm, *Tubifex tubifex*. *Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology*, 242, p.108943.
4. Bhattacharya, R., Chatterjee, A., Chatterjee, S. and **Saha, N.C.**, 2021. Acute toxicity and sublethal effects of sodium laureth sulfate on oxidative stress enzymes in benthic oligochaete worm, *Tubifex tubifex*. *Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology*, 243, p.108998.
5. Moniruzzaman, M. and **Saha, N.C.**, 2020. Impact of variation in abiotic factors and metal accumulation pattern on the annual rhythmicity of antioxidants and maintenance of oxidative balance in fish gill. *Chemistry and Ecology*, pp.1-15.
6. Saha, S.K. and **Saha, N.C.**, 2020. A new naphthalimide-Pd (II) complex as a light-up fluorescent chemosensor for selective detection of carbon monoxide in aqueous medium. *Inorganica Chimica Acta*, 517, p.120204.
7. Laha, A., Ghosh, A., Moitra, S., Biswas, H., **Saha, N.C.**, Bhattacharya, S., Saha, G.K. and Podder, S., 2020. Association of HLA-DQ and IL13 gene variants with challenge-proven shrimp allergy in West Bengal, India. *Immunogenetics*, 72(9), pp.489-498.
8. Ahmmed, E., Mondal, A., Sarkar, A., Chakraborty, S., Lohar, S., **Saha, N.C.**, Dhara, K. and Chattopadhyay, P., 2020. Bilirubin Quantification in Human Blood Serum by Deoxygenation Reaction Switch-Triggered Fluorescent Probe. *ACS Applied Bio Materials*, 3(7), pp.4074-4080.
9. Paul, T., and **Saha, N.C.**, 2019. Environmental arsenic and selenium contamination and approaches towards its bioremediation through the exploration of microbial adaptations: A review. *Pedosphere*, 29(5), pp.554-568.
10. Roy, P., Sengupta, A., Joardar, N., Bhattacharyya, A., **Saha, N.C.**, Misra, A.K. and Babu, S.P.S., 2019. Influence of autophagy, apoptosis and their interplay in filaricidal activity of C-cinnamoyl glycosides. *Parasitology*, 146(11), pp.1451-1461.
11. Sarkar, A., Chakraborty, S., Lohar, S., Ahmmed, E., **Saha, N.C.**, Mandal, S.K., Dhara, K. and Chattopadhyay, P., 2019. A lysosome-targetable fluorescence sensor for ultrasensitive detection of Hg²⁺ in living cells and real samples. *Chemical research in toxicology*, 32(6), pp.1144-1150.
12. Mondal, P., Dey, D., Sarkar, T., Laha, A., Moitra, S., Bhattacharyya, S., **Saha, N.C.**, Saha, G.K. and Podder, S., 2019. Evaluation of sensitivity toward storage mites and house dust mites among nasobronchial allergic patients of Kolkata, India. *Journal of medical entomology*, 56(2), pp.347-352.

13. Seal, M., Pahari, D., **Saha, N.C.** and Chatterjee, S., 2019. GIS mapping and breeding habitat characterization of anophelines occurring in Malaria endemic areas of Hooghly, WB, India. *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences*, 89(2), pp.657-670.
14. Maiti, A.K., Spoorthi, B.C., **Saha, N.C.** and Panigrahi, A.K., 2018. Mitigating peroxynitrite mediated mitochondrial dysfunction in aged rat brain by mitochondria-targeted antioxidant MitoQ. *Biogerontology*, 19(3), pp.271-286.
15. Dhara, K., **Saha, N.C.** and Maiti, A.K., 2017. Studies on acute and chronic toxicity of cadmium to freshwater snail *Lymnaea acuminata* (Lamarck) with special reference to behavioral and hematological changes. *Environmental Science and Pollution Research*, 24(35), pp.27326-27333.
16. Maiti, A.K., **Saha, N.C.**, More, S.S., Panigrahi, A.K. and Paul, G., 2017. Neuroprotective efficacy of mitochondrial antioxidant MitoQ in suppressing peroxynitrite-mediated mitochondrial dysfunction inflicted by lead toxicity in the rat brain. *Neurotoxicity research*, 31(3), pp.358-372.
17. Dhara, K., Mukherjee, D. and **Saha, N.C.**, 2015, December. Acute Toxicity of Cadmium to Benthic Oligochaete Worm, *Branchiura sowerbyi* Beddard, 1982 and Juvenile Catfish, *Clarias batrachus* Linnaeus, 1758. In *Proceedings of the Zoological Society* (Vol. 68, No. 2, pp. 116-119). Springer India.
18. Dhara K, Saha NC. Controlled breeding of Asian catfish *Clarias batrachus* using pituitary gland extracts and ovaprim at different temperatures, latency periods and their early development. *Journal of Aquaculture Research and Development*. 2013; 4(3):23-32.
19. Maiti AK, Paul G, Maity B, Mazumdar D, Saha NC. Chromium III exposure inhibits brain Na⁺ K⁺ ATPase activity of *Clarias batrachus* L. involving lipid peroxidation and deficient mitochondrial electron transport chain activity. *Bulletin of environmental contamination and toxicology*. 2009 Oct 1;83(4):479-83.
20. Saha NC, Bhunia F, Kaviraj A. Comparative toxicity of three organic acids to freshwater organisms and their impact on aquatic ecosystems. *Human and Ecological Risk Assessment*. 2006 Feb 1;12(1):192-202.
21. Kaviraj A, Bhunia F, Saha NC. Toxicity of methanol to fish, crustacean, oligochaete worm, and aquatic ecosystem. *International journal of toxicology*. 2004 Jan;23(1):55-63.
22. Bhunia F, Saha NC, Kaviraj A. Effects of Aniline—an aromatic amine to some freshwater organisms. *Ecotoxicology*. 2003 Oct 1;12(5):397-404.
23. Bhunia F, Saha NC, Kaviraj A. Toxicity of thiocyanate to fish, plankton, worm, and aquatic ecosystem. *Bulletin of environmental contamination and toxicology*. 2000 Feb 24;64(2):197-204.
24. Saha NC, Bhunia F, Kaviraj A. Toxicity of phenol to fish and aquatic ecosystems. *Bulletin of Environmental Contamination and Toxicology*. 1999 Aug 1;63(2):195-202.
25. Saha NC, Kaviraj A. Acute and chronic toxicity of tannic acid and spent bark of cinchona to tilapia *Oreochromis mossambicus*. *Aquaculture*. 1996 Oct 15;145(1-4):119-27.

19. Research Papers Published/Communicated In National and International Journals:

2021

1. Bhattacharya, R., Chatterjee, A., Chatterjee, S. and Saha, N.C., 2021. Acute toxicity and sublethal effects of sodium laureth sulfate on oxidative stress enzymes in benthic oligochaete worm, *Tubifex tubifex*. *Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology*, p.108998. <https://doi.org/10.1016/j.cbpc.2021.108998>
2. Biswas S. J., Patra M., Giri S.K., Gorain S., Gope D., Saha N.C and Guha B., 2021. Primary Concept of Arsenic Toxicity: An Overview. *Geostatistics and Geospatial Technologies for Groundwater Resources in India*, Springer Hydrogeology. (**Book Chapter**) <https://doi.org/10.1007/978-3-030-62397-5>
3. Dhara, K., Saha, S. and Saha, N.C., 2021. Sensitivity of Common Carp, *Cyprinus carpio* (Linnaeus, 1758) to the Grey List Metal, Zinc under Laboratory Condition. *Asian Journal of Biological and Life Sciences*, 10(1), p.133.

4. Saha, S., Mukherjee, D., Dhara, K., Saha, N. C., 2021. Acute Toxicity Bioassay of a Pyrethroid Pesticide Bifenthrin to the Asian stinging Catfish, *Heteropneustes Fossilis* (Bloch). *Curr World Environ*, 16(1). DOI:<http://dx.doi.org/10.12944/CWE.16.1.25>
5. Chatterjee, S., Mandal, A., Bag, S., Sarkar, B., Bhaduri, R., Saha, N.C., 2021. Isolation and Characterization of *Pseudomonas* sp. strain and its role as Oviposition Attractant of the filarial vector *Culex quinquefasciatus*. *Biosc.Biotech.Res.Comm.* 14(2).
6. Saha, N.C., De. A., Mukherjee, S., Sadhukhan, G.C., Ash, A., 2021. Lipolytic potentials of three bacterial strains isolated from aquaculture benthos in east kolkata wetlands, India. *Research Journal of Life Sciences, Bioinformatics, Pharmaceutical and Chemical Sciences.* 7(1), p. 26-36.
7. Biswas, S.J., Patra, M., Giri, S.K., Gorain, S., Gope, D., Saha, N.C. and Guha, B., 2021. Primary Concept of Arsenic Toxicity: An Overview. *Geostatistics and Geospatial Technologies for Groundwater Resources in India*, pp.323-341. **(Book chapter)**
8. Saha, S. and Saha, N.C., 2021. Study on Acute Toxicity of Bifenthrin to (*Clarias batrachus* Linn.). *Indian Journal of Ecology*, 48(2), pp.545-548.
9. Chatterjee, A., Bhattacharya, R., Chatterjee, S. and Saha, N.C., 2021. Acute toxicity of organophosphate pesticide profenofos, pyrethroid pesticide λ cyhalothrin and biopesticide azadirachtin and their sublethal effects on growth and oxidative stress enzymes in benthic oligochaete worm, *Tubifex tubifex*. *Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology*, 242, p.108943.
10. Chakraborty, C., Chatterjee, A., Saha, N.C., 2021. Seasonal Fluctuations in Physicochemical Parameters of Water in Relation to Fish Diversity: In Muragacha Beel, West Bengal India. *Biosc.Biotech.Res.Comm.* 14(2).

2020

1. Laha A, Ghosh A, Moitra S, Biswas H, Saha N.C., Bhattacharya S., Saha G.K, Podder S.- Association of HLA-DQ and IL13 gene variants with challenge-proven shrimp allergy in West Bengal, India, Springer-Verlag GmbH Germany, part of Springer Nature 2020, <https://doi.org/10.1007/s00251-020-01185-3>.
2. Giri S.K, Gorain S, Patra M, Gope D, Saha N.C, Biswas S. J. - Commonly Available Plant Neem (*Azadirachtaindica* A. Juss) Ameliorates Dimethoate Induced Toxicity in Climbing Perch *Anabas testudineus*, Springer Nature Switzerland AG 2021, P. K. Shit et al. (eds.), Spatial Modeling and Assessment of Environmental, Contaminants, Environmental Challenges and Solutions. **(Book chapter)**
3. Saha D, Keshri JP, Saha NC. Sustainable improvement of air quality during COVID-19 phase : a special reference to Asansol industrial township, West Bengal, India, *International Journal of Biology, Pharmacy and Allied Sciences (IJBPAS)*.2021, 10(7), a-m.
4. Saha D, Saha A, Saha N.C. Analysis of Pollutants in abandoned OCP water and its impact: special reference to Damalia OCP in Raniganj coalfield, West Bengal, *International Journal of Biology, Pharmacy and Allied Sciences (IJBPAS)*.2021, 10(3), a-j. <https://doi.org/10.31032/IJBPAS/2021/10.3.5412>
5. Bhattacharya R, Chatterjee A, Chatterjee S, Saha NC. Oxidative stress in benthic oligochaete worm, *Tubifex tubifex* induced by sublethal exposure to a cationic surfactant cetylpyridinium chloride and an anionic surfactant sodium dodecyl sulfate. *Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology*. 2020:108906. <https://doi.org/10.1016/j.cbpc.2020.108943>
6. Saha D, Saha A, Saha N.C. Seasonal variation of water quality and its sustainable approach in local livelihood in Harabhanga abandoned OCP in Raniganj Coalfield, West Bengal, India, *International Journal of Biology, Pharmacy and Allied Sciences (IJBPAS)*.2021, 10(3), a-j.

<https://doi.org/10.31032/IJBPAS/2021/10.3.5413>

7. Saha D, Saha A, and Saha NC. Seasona variation of water quality and its impact on fish diversity in Harabhanga abandoned Open Cast Pit, Raniganj Coalfield, West Bengal, India, *Advances in Bioresearch*, 12(1/2), 2021
8. Saha D, Saha A, and Saha NC. Seasonal variation of heavy metals and fish diversity in 4 different open cast coal mine pits Satgram area and Kajora area, Raniganj, West Bengal, India, *Bioscience Biotechnology Research Communications*. 2020
9. Saha N and Chakraborty T. Study on Seasonal Fluctuation of Physicochemical Properties of Water and Fish Diversity Towards Future Managementof a Natural Water Bodies Rajar Beel Wetland, North 24 Parganas, West Bengal, India.
10. Saha D, Keshri JP, and Saha NC. Open Cast Coal Mines Pit Unique Habitat of Biodiversity: A Review, *Indian Journal of Natural Sciences*. 2020, 10(62), 27887-27898.
11. Saha D, Keshri JP, Saha NC. Assesment of seasonal phytoplankton diversity of abandoned coal pits in Harabhanga village, Raniganj, West-Bengal with reference to pollution status caused by heavy metals. *International Journal of Ecology and Environmental Sciences*. 2020, 2(4), 59-66.
<http://www.ecologyjournal.in/archives/2020.v2.i4.124>
12. Saha D, Saha A, Saha NC. Analysis of Water Parameter and Its Impact in Abandoned Open Cast Coal Mine Pit: Special Reference to Damalia OCP, Raniganj, WestBengal. *Indian Journal of Natural Sciences*. 2020, 10(61), 27533-40.
13. Saha D, Saha A, Saha A, Saha NC. Air Quality Change and Sustainable Development in Context to Covid 19 Situations at Burdwan Town, West Bengal. *Socio-Economic Challenges & Possibilities*. 2020, 108-115.
14. Saha D, Saha A, Saha NC. Study on Heavy Metals and Physicochemical Properties of Water of Abandoned Open Cast Coal Mine Pit: Special Reference to Damalia OCP, Raniganj, West Bengal. *Indian Journal of Natural Sciences*. 2020, 10(62), 28057-63.
15. Saha D, Saha A, Saha A, Saha NC. Air quality change and sustainable development in context to COVID-19 situations at Burdwan town, West Bengal, *Socio-Economic challenges & Possibilities-2020, Impact of Globalization on Higher Education issues opportunities challenges & future*, ISSMWA Publisher, Jabalpur, India. 2020, 108-115.
16. Sarkar C, Mukherjee S, Saha N.C. A study on acute toxicity of a herbicide Fenoxaprop-P-Ethyl on *Heteropneustes fossilis* along with their behavioural changes. *Research & Reviews: A Journal of Life Sciences*. 2020, 10(1), 12–17.
<http://sciencejournals.stmjournals.in/index.php/RRJoLS/article/view/1829>
17. Sarkar C, Ghosh S,Saha N.C. A Review on Toxic Effects of an Organophosphate Pesticide Chlorpyrifos in Fish. *Research & Reviews: Journal of Veterinary Science and Technology*. 2020, 9(1), 19–31.
18. Dhara K, Saha S, Panigrahi AK, Saha NC. Sensitivity of the freshwater tropical oligochaete, *Branchiura sowerbyi* (Beddard, 1892) to the grey list metal, Zinc. *International Journal of Life Sciences*. 2020;8(1):93-101.
<http://oaji.net/articles/2020/736-1586191543.pdf>
19. Saha S, Dhara K, Saha NC. Acute toxicity of a pyrethroid pesticide Bifenthrin to *Oreochromis mossambicus* (Peters, 1852). *International journal of creative research thoughts*. 2020, 8(5), 379-388.
<http://ijcrt.org/papers/IJCRT2005057.pdf>
20. Saha S, Dhara K, Saha NC. Evaluation on the Sensitivity of the Freshwater Tropical Worm, *Branchiura sowerbyi* (Beddard, 1892) to the Pyrethroid Pesticide, Bifenthrin. *Research & Reviews: Journal of Ecology*. 2020 29;9(1), 8-13.

<https://www.cibtech.org/J-Zoology/PUBLICATIONS/2020/VOL-9/CJZ-008-SAHA-EVALUATION-BRANCHIURA.pdf>

21. Dhara K, Saha S, Saha NC. Toxicity of selenium on the freshwater tropical worm, *Branchiura sowerbyi* beddard, 1892. BIOINFOLET-A Quarterly Journal of Life Sciences. 2020;17(2):346-54. <http://www.indianjournals.com/ijor.aspx?target=ijor:bil&volume=17&issue=2&article=031>
22. Dhara K, Saha S, Saha NC. Evaluation on the sensitivity of the freshwater Tropical worm, *Branchiura sowerbyi* beddard, 1892 to fluoride. CIBTech Journal of Zoology. 2020, 9, 61-72. <http://doi.org/10.32381/JAT.2019.34.1.3>
23. Saha S, Mukherjee D, Dhara K, Saha NC. Captan Induced Toxicity and Behavioural Alterations on Oligochaete Worm, *Branchiura sowerbyi*. Journal of Aquatic Biology & Fisheries. 2020, 8, 1-4. http://keralamarinelife.in/Journals/Vol8/08-Shubhajit_Saha_etal.pdf
- Mondal P, Garai P, Chatterjee A, Saha NC. Toxicological and therapeutic effects of neem (*Azadirachta indica*) leaf powder in hole-in-the-head (HITH) disease of fish *Anabas testudineus*. Aquaculture Research. 2020, 1-9. <https://doi.org/10.1111/are.14928>
24. Moniruzzaman, M. and Saha, N.C., 2020. Impact of variation in abiotic factors and metal accumulation pattern on the annual rhythmicity of antioxidants and maintenance of oxidative balance in fish gill. *Chemistry and Ecology*, pp.1-15.
25. Saha, S.K. and Saha, N.C., 2020. A new naphthalimide-Pd (II) complex as a light-up fluorescent chemosensor for selective detection of carbon monoxide in aqueous medium. *Inorganica Chimica Acta*, 517, p.120204.
26. Mondal P, Chatterjee A, Garai P, Mukherjee A, Saha N. C. Therapeutic Effects of Metronidazole Benzoate in Combination With Melatonin in Diplomonad Parasite Infection on *Anabas testudineus*. *Biosc.Biotech.Res.Comm.* 2020;13(4).

2019

1. Mukherjee S, De A, Sarkar NK, Saha NC. Aerobic Degradation of Benzene by *Escherichia* spp. from Petroleum-contaminated Sites in Kolkata, West Bengal, India. *J Pure Appl Microbiol.* 2019;13(4):2353-62. <https://doi.org/10.22207/JPAM.13.4.51>
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<https://www.semanticscholar.org/paper/Chemical-nature-and-acute-toxicity-of-quinidine-to-Saha-Kaviraj/ef965c906653f28851dcfdf5b4606adc6df37b34>

20. Published/Accepted/Submitted as Abstracts in National & International Seminar:

- (i) A new pentacoordinated ID coordination polymer of mercury(II) chloride containing as *in situ* generated didentate Schiff base: Synthesis, structure and luminescence property, DipuSutradhar, Habibar Chowdhury, Nimai Chandra Saha and Barindra Kumar Ghosh, National Seminar on Design, synthesis, characterization, reactivity, theoretical study and applications of different advanced functional materials, organized by Department of Chemistry, The University of Burdwan, Burdwan, December 21-23, 2017, p 85.
- (ii) Acute toxicity and behavioural responses of oligochaete worm *Tubifextubifex* to a surfactant sodium dodecyl sulphate, Ritwick Bhattacharya and Nimai Chandra Saha, submitted for poster/oral presentation, 2nd Regional Science and Technology Congress, Western Region, jointly organised by the University of Burdwan and Department of Higher Education, Science and Technology and Biotechnology, Government of West Bengal, November 16-17, 2017.
- (iii) Enzymatic and behavioural studies in fresh water cat fish, *Clariasgaripepinus* exposed to insecticide, Dimethoate (Rogor-EC 30%), Arnab Chatterjee, Soumendranath Chatterjee and Nimai Chandra Saha, submitted for poster/oral presentation, 2nd Regional Science and Technology Congress, Western Region, jointly organised by the University of Burdwan and Department of Higher Education, Science and Technology and Biotechnology, Government of West Bengal, November 16-17, 2017.
- (iv) Micronucleus and behavioural studies in fresh water fish, *Anabustestudinus* exposed to Dimethoate, Santosh kumarGiri, SurjyoJyoti Biswas and Nimai Chandra Saha, submitted for poster/oral presentation, 2nd Regional Science and Technology Congress, Western Region, jointly organised by the University of Burdwan and Department of Higher Education, Science and Technology and Biotechnology, Government of West Bengal, November 16-17, 2017.
- (v) Parameters and ichthyofaunal diversity of HasadangaBeel: a floodplain wetland of Nadia, Chandan Sarkar and Nimai Chandra Saha, submitted for poster/oral presentation, 2nd Regional Science and Technology Congress, Western Region, jointly organised by the University of Burdwan and Department

of Higher Education, Science and Technology and Biotechnology, Government of West Bengal, November 16-17, 2017.

- (vi) Synthesis, structure and magnetic property of a dibridgeddinuclear copper(II) azide compound, Chandan Adhikary, Barindra Kumar Ghosh and Nimai Chandra Saha, submitted for poster presentation, 2nd Regional Science and Technology Congress, Western Region, jointly organised by the University of Burdwan and Department of Higher Education, Science and Technology and Biotechnology, Government of West Bengal, November 16-17, 2017.
- (vii) Syntheses, spectroscopic characterisation and luminescence behaviour of Group 12 metal(II) complexes containing a Tailored Amine and Varied Pseudohalides, Dipu Sutradhar, Habibar Chowdhury, Nimai Chandra Saha and Barindra Kumar Ghosh, 2nd Regional Science and Technology Congress, Western Region, jointly organised by the University of Burdwan and Department of Higher Education, Science and Technology and Biotechnology, Government of West Bengal, November 16-17, 2017.
- (viii) Synthesis, structure, luminescence property and antibacterial activity of some hexacoordinated zinc(II) complexes with Schiff base, Habibar Chowdhury, Dipu Sutradhar, Nimai Chandra Saha and Barindra Kumar Ghosh, submitted for poster presentation, 2nd Regional Science and Technology Congress, Western Region, jointly organised by the University of Burdwan and Department of Higher Education, Science and Technology and Biotechnology, Government of West Bengal, November 16-17, 2017.
- (ix) Isophthalato-bridged dinuclear zinc(II) complex with a tetradentate Schiff base: synthesis, structure and luminescence property, Habibar Chowdhury, Dipu Sutradhar, Nimai Chandra Saha and Barindra Kumar Ghosh, submitted for poster presentation in International Science Seminar jointly organised by Burdwan Raj College, Burdwan 713 104 and Indian Chemical Society, 92 APC Road, Kolkata 700 009 on October 10, 2017 at Burdwan Raj College, Burdwan
- (x) “Syntheses, X-ray structures, molecular properties and in vitro antibacterial effect of two coordination polymers of cadmium(II) pseudohalide containing an in situ generated didentate Schiff base, Habibar Chowdhury, Dipu Sutradhar, Nimai Chandra Saha and Barindra Kumar Ghosh, Poster Presentation, National Symposium on ‘Recent Advances in Chemistry & Industry 2017’, The Indian Chemical Society, Page 132-133, August 2-3, 2017.
- (xi) A comparative study on phytoremediation of paper and pulp mill effluent by some common aquatic weeds in International Conference on Aquatic Resources and Sustainable Management organised by Central Calcutta science and Culture Organisation for youth, in 2016 (Abstract No. 65/VII/O, Page No. 255).
- (xii) A study on the effects of Alpha-cypermethrin to fish, *Cyprinus carpio* (Linnaeus, 1758) in International Conference on Aquatic Resources and Sustainable Management organised by Central Calcutta science and Culture Organisation for youth, in 2016 (Abstract No. 118/II/P, Page No. 150).

- (xiii) Studies on acute and chronic toxicity of cadmium to the freshwater snail *Lymnaea acuminata* in International Conference on Aquatic Resources and Sustainable Management organised by Central Calcutta science and Culture Organisation for youth, in 2016(Abs. No.119/II/O. Page No.139)
- (xiv) Study on the acute toxicity of chromium and nickel to freshwater benthic oligochaete worm, *Branchiurusowerbyi*Beddard, 1982 in International Conference on Aquatic Resources and Sustainable Management organised by Central Calcutta science and Culture Organisation for youth,in 2016(Abs. No 120/II/O, Page 139)
- (xv) Effects of fly ash pollution on fish diversity at Bhagirathi River in Murshidabad District, West Bengal in 24th All India Congress of Zoology organised by Department of Zoology, Kalyani University in collaboration with ZSI, Bodh Gaya(Page 55), 2013
- (xvi) Effects of a pulp and paper mill effluent on the Hooghly River ecosystem and its fish diversity in Nadia District, West Bengal, India in 24th All India Congress of Zoology organised by Dept. of Zoology, University of Kalyani in collaboration with ZSI, Bodh Gaya(Page 153),2013
- (xvii) Use of fish diversity as a bioindicator for determining fly ash pollution in Bhagirathi River in the District Murshidabad, West Bengal in National Conference on Challenges in Biodiversity and Resource management organised by Department of Zoology, Kalyani University in collaboration with West Bengal Biodiversity Board(Page 30),2013
- (xviii) Use of water quality and fish diversity as the indicator of pollution by paper and pulp effluents of the Hooghly River in National Conference on Challenges in Biodiversity and Resource management organised by Department of Zoology, Kalyani University in collaboration with West Bengal Biodiversity Board(Page 28),2013
- (xix) A study on the comparative breeding performance of *Anabas testudineus* (Bloch,1792) using piscine pituitary gland extract and Ovaprim as inducing agent in UGC sponsored two day State Level Seminar on Society-Biodiversity Interactions: Exploitation and Ethics organised by Sripat Singh College, Jiaganj, Murshidabad(Page 44),2011
- (xx) Review on the parasites causing diseases in the fishes of Ganga River system (Sundarban region) with reference to histopathological changes and parasitic diversity in UGC sponsored National Level Seminar on rediscovering hundred years of journey on the field of immunology: present status of immunological research in India organised by Post Graduate Department of Zoology, Barasat Government College and West Bengal State University(Page 08),2011
- (xxi) Study on the comparative toxicity of nickel and zinc on the haematological parameters of *Clariasbatrachus* in UGC sponsored National Level Seminar on rediscovering hundred years of journey on the field of immunology: present status of immunological research in India(Page 08),2011
- (xxii) Pathophysiological studies of freshwater catfish, *Clariasbatrachus* (Linn.) exposed to mercury, a toxic fly ash ingredient in Golden Jubilee International Seminar on Researches in Zoology - Basic &

Applied, Department of Zoology, The University of Burdwan organised by Post Graduate Department of Zoology, Barasat Government College and West Bengal State University(Abs. No. FSP01, Page No.41), 2010

- (xxiii) Oxidative stress induced inhibition of rat brain Na^+K^+ ATPase exposed to Ni^{2+} ions: involvement of lipid peroxidation & deficient mitochondrial electron transport chain activity in XXI Annual conference & Platinum Jubilee celebration of the Physiological Society of India -International conference on Integrative Physiology: Modern Perspective organised by Physiological Society of India(Abs. No. FC41, Page No.192),2009
- (xxiv) Role of lipid peroxidation and mitochondrial electron transport chain on the Na^+K^+ ATPase activity in rat brain exposed to Ni^{2+} ions in The Journal of Physiological Sciences, Proceedings of the XXXV International Congress of Physiological Sciences (IUPS 2009)- Function of the Elements and Integration, Kyoto, Japan, The Physiological Society of Japan(Abs. No. P2PM-13-29, Page No.291), 2009
- (xxv) Inhibition of mammalian brain Na^+K^+ ATPase exposed to Zn^{2+} : Role of lipid peroxidation and mitochondrial electron transport chain activity in The Journal of Physiological Sciences, Proceedings of the XXXV International Congress of Physiological Sciences (IUPS 2009)- Function of the Elements and Integration, Kyoto, Japan, The Physiological Society of Japan(Abs. No. P3PM-13-5, Page No.384),2009
- (xxvi) Comparative study on the breeding performance & larval survivability of *Anabas testudineus* using pituitary gland extract & ovaprim as inducing agents in 16th W.B. State Science & Technology Congress, 28th Feb to 1st March, 2009, The University of Burdwan & Department of Science & Technology, Government of West Bengal(Page No.283),2009
- (xxvii) Simplified method of induced spawning & larval rearing of tropical air breathing catfish, *Clarias batrachus* in National Seminar on “Molecules to Man”. February 24-25, 2005, Department of Zoology, The University of Burdwan (Page No.64), 2005

21. Papers presented in Conference, Seminars, Workshops and Symposia:

- (i) Studies on acute and chronic toxicity of cadmium to the freshwater snail *Lymnaea acuminata* in International Conference on Aquatic Resources and Sustainable Management organised by Central Calcutta Science and Culture Organisation for Youth, February 17-19, 2016(International level)
- (ii) Effects of a pulp and paper mill effluent on the Hooghly River ecosystem and its fish diversity in Nadia district, West Bengal, India in 24th All India Congress of Zoology and National Seminar on Biodiversity and its management for food and environmental security and National Helminthological Congress organised by Department of Zoology, University of Kalyani, November 23-25, 2013(National Level)
- (iii) Study on the comparative toxicity of Nickel and Zinc on the haematological parameters of *Clarias batrachus* in UGC sponsored National Seminar on Rediscovering 100 years of

journey on the field of Immunology: Present status of Immunological Research in India organised by Barasat Govt. College, 19th & 20th September, 2011 (National Level)

- (iv) Review on the parasites causing diseases in the fishes of Ganga river system with reference to histopathological changes and parasitic diversity in UGC sponsored National Seminar on Rediscovering 100 years of journey on the field of Immunology: Present status of Immunological Research in India organised by Barasat Govt. College, 19th & 20th September, 2011 (National level)
- (v) A study on the comparative breeding performance of *Anabas testudineus* (Bloch, 1792) using piscine pituitary gland extract and Ovaprim as inducing agent in UGC sponsored Society-Biodiversity Interaction: Exploitation & Ethics organised by Sripat Singh College, 1st & 2nd August, 2011 (State Level)
- (vi) Effects of temperature and the doses of inducing agents (pituitary gland extract and Ovaprim) on fertilization, hatching rate and hatchlings' survival during induced breeding of air breathing cat fish, *Clarias batrachus* In DST sponsored Sir J.C. Bose memorial National Symposium on modern trends in animal science research and challenges of the day Organised by Presidency University, 23-25 March, 2011 (National Level)
- (vii) Use of diversity of fish fauna as an effective bioindicator for determining pollution in Bhagirathi River in Murshidabad, WB mainly due to contamination of fly ash of adjoining thermal power plant In Seminar on Biodiversity in India: Perspective, Management & Conservation Organised by Dwijendralal College, 26-02-2011 (State Level)
- (viii) Acute toxicity of aniline to fish, plankton & worm In UGC sponsored Seminar on Biochemistry Organised by Kanchrapara College, 18-01-2003 to 19-01-2003 (State Level)
- (ix) Micronucleus test on the peripheral erythrocytes of *Oreochromis mossambicus* exposed to liquid wastes of quinidine In National Symposium on Environmental impacts on animal & aquaculture Organised by Kalyani University, 14-05-1988 to 16-05-1988 (National level)
- (x) Acute toxicity of quinine factory effluents on fish & aquatic ecosystem In Seminar on Science Congress Organised by 74th Session of Science Congress, Bangalore, 03-01-1987 to 08-01-1987 (National level)

22. Seminar organized as Patron/ Organising Secretary/ Convener/President/ Member

- (i) Workshop for the SWAYAM-NPTEL local chapter colleges of the Eastern region – organised by the NPTEL Office, IIT Kharagpur on July 27, 2019 at the Eastside Pavilion, HM Block, Sector - IV, Kolkata.
- (ii) One-day SWAYAM Awareness Workshop – organised by The University of Burdwan (BU), in collaboration with the NPTEL Office of IIT Kharagpur on November 13, 2019 at DDE auditorium, The University of Burdwan.
- (iii) 4TH Regional Science & Technology Congress (Western Region), 2019 – Jointly organised by The University of Burdwan & Department of Science and Technology and Biotechnology Government of West Bengal during December 09-10, 2019 at The University of Burdwan.
- (iv) One-day National Webinar on Content Analysis as a Tool of Socio Legal Research - organised by the Department of Law, The University of Burdwan on July 10, 2020

- (v) Webinar on COVID-19: Some Philosophical Reflections - organised by the Department of Philosophy, The University of Burdwan during August 12 - 13, 2020
- (vi) Present and Future Strategies to Combat Emerging and Reemerging Contagious Diseases - organised by the Department of Microbiology, The University of Burdwan August 16-18, 2020
- (vii) E-resource Management and Services for Academic Libraries - organised by the Department of Library and Information Science, The University of Burdwan on August 24, 2020
- (viii) National Webinar on Regression Analysis and its Applications - organised by the Department of Statistics, The University of Burdwan on August 25, 2020
- (ix) Fourth International Conference (Webinar) on Mother Earth (ICME-IV-2020) - organised by the Department of Environmental Science, The University of Burdwan during August 27-29, 2020 over Google Meet.
- (x) National Webinar on Health and Fitness during Pandemic Covid -19 and Holistic Approaches to Athletics - organised by the Department of Physical Education, The University of Burdwan during September 02 - 03, 2020
- (xi) Online Refresher Course in Emerging Trends in Science and Technology - organised by the UGC Human Resource Development Centre, The University of Burdwan during September 08 – 21, 2020
- (xii) International Webinar on Society and Culture in Modern Bengal - organised by the Department of History, The University of Burdwan during September 14-15, 2020
- (xiii) SANSKRIT KĀVYA LITERATURE THROUGH THE AGES: ANCIENT, MEDIEVAL, MODERN - organised by the Department of Sanskrit, The University of Burdwan on September 19, 2020
- (xiv) International Webinar on Mathematics and Applications - organised by the Department of Mathematics, The University of Burdwan during September 25-27, 2020 over Google Meet.
- (xv) International Webinar on Changing Dimensions of Work and Employment Relations: Emerging Paradigm - organised by the Department of Business Administration (HR), The University of Burdwan during September 29-30, 2020
- (xvi) One-week Faculty Development Programme on Learning Management System & Open Educational Resources – organised by IQAC and Science Departments of Krishna Chandra College, Hetampur on November 8, 2020
- (xvii) State level webinar on “COVID 19 Variants and Vaccination Against It” – organised by the PG NSS Units of The Burdwan University on June 11, 2021.
- (xviii) Acted as Joint convener of the UGC sponsored National Seminar on Rediscovering 100 years of journey on the field of Immunology: Present status of Immunological Research in India Organised by Barasat Govt. College on 19th & 20th September, 2011
- (xix) Acted as President of the UGC sponsored State level Seminar on “Metacognition” Organised by Krishnagar Government College & Krishnagar Women’s College on 08-09-2010 to 09-09-2010
- (xx) Acted as Organising Secretary of the UGC Curriculum implementation at undergraduate level on Environmental studies Organised by Krishnagar Government College & Kalyani University on 26-02-2010
- (xxi) Acted as Organising Secretary of the Workshop on Application of the Knowledge of Computer in Chemical and Biological Sciences Organised by Jhargram Raj College on 23rd & 24th March, 2008

- (xxii) Acted as Organising Secretary of the Principal's Workshop on "To Strive and Sustain Quality Administration" Organised by Jhargram Raj College on 4th and 5th January, 2008
- (xxiii) Member of Organising Committee of the National seminar on Natural and anthropogenic hazards on Biodiversity and conservation and biotechnological approach for its remedies Organised by Vidyasagar College on 9th & 10th December, 2011
- (xxiv) Member of Organising committee of the Seminar on 22nd National Congress of Parasitology, Department of Zoology, University of Kalyani, Kalyani, W.B. Organised by Department of Zoology, Kalyani University on 30-10-2010 to 01-11-2010

23. Invited Lecture/ Keynote and presidential address and Chairmanship at National/International Conference/Seminar etc.:

- (i) Refresher Course on the topic entitled "Sustainability and the Future of the Earth" (07.01.2021 to 20.01.2021) organised by UGC HRDC Centre, The University of Burdwan on 07.01.2021.
- (ii) Refresher Course on the topic entitled "Recent Trends in Language and Literature" (02.12.2020 to 15.12.2020) organised by UGC HRDC Centre, The University of Burdwan on 02.12.2020.
- (iii) Refresher Course on the topic entitled "Natural and Biosciences" (24.11.2020 to 07.12.2020) organised by UGC HRDC Centre, The University of Burdwan on 24.11.2020.
- (iv) Refresher Course on the topic entitled "Emerging Trends in Science and Technology" (08.09.2020 to 21.09.2020) organised by UGC HRDC Centre, The University of Burdwan on 08.09.2020.
- (v) Workshop for the SWAYAM-NPTEL local chapter colleges of the Eastern region – organised by the NPTEL Office, IIT Kharagpur on July 27, 2019 at the Eastside Pavilion, HM Block, Sector - IV, Kolkata.
- (vi) Refresher Course on the topic entitled "Recent Advancement in Biological Sciences" (16.08.2019 to 29.08.2019) organised by UGC HRDC Centre, The University of Burdwan on 16.08.2019.
- (vii) Refresher Course on the topic entitled "Ethics, Value, Culture and Society" (06.09.2019 to 19.09.2019) organised by UGC HRDC Centre, The University of Burdwan in valedictory session on 19.09.2019.
- (viii) One-day SWAYAM Awareness Workshop – organised by The University of Burdwan (BU), in collaboration with the NPTEL Office of IIT Kharagpur on November 13, 2019 at DDE auditorium, The University of Burdwan.
- (ix) 4TH Regional Science & Technology Congress (Western Region), 2019 – Jointly organised by The University of Burdwan & Department of Science and Technology and Biotechnology Government of West Bengal during December 09-10, 2019 at The University of Burdwan.
- (x) One-day National Webinar on Content Analysis as a Tool of Socio Legal Research - organised by the Department of Law, The University of Burdwan on July 10, 2020
- (xi) Webinar on COVID-19: Some Philosophical Reflections - organised by the Department of Philosophy, The University of Burdwan during August 12 - 13, 2020
- (xii) Present and Future Strategies to Combat Emerging and Reemerging Contagious Diseases - organised by the Department of Microbiology, The University of Burdwan August 16-18, 2020
- (xiii) E-resource Management and Services for Academic Libraries - organised by the Department of Library and Information Science, The University of Burdwan on August 24, 2020
- (xiv) National Webinar on Regression Analysis and its Applications - organised by the Department of Statistics, The University of Burdwan on August 25, 2020

- (xv) Fourth International Conference (Webinar) on Mother Earth (ICME-IV-2020) - organised by the Department of Environmental Science, The University of Burdwan during August 27-29, 2020 over Google Meet.
- (xvi) National Webinar on Health and Fitness during Pandemic Covid -19 and Holistic Approaches to Athletics - organised by the Department of Physical Education, The University of Burdwan during September 02 - 03, 2020
- (xvii) Online Refresher Course in Emerging Trends in Science and Technology - organised by the UGC Human Resource Development Centre, The University of Burdwan during September 08 – 21, 2020
- (xviii) International Webinar on Society and Culture in Modern Bengal - organised by the Department of History, The University of Burdwan during September 14-15, 2020
- (xix) SANSKRIT KĀVYA LITERATURE THROUGH THE AGES: ANCIENT, MEDIEVAL, MODERN - organised by the Department of Sanskrit, The University of Burdwan on September 19, 2020
- (xx) International Webinar on Mathematics and Applications - organised by the Department of Mathematics, The University of Burdwan during September 25-27, 2020 over Google Meet.
- (xxi) International Webinar on Changing Dimensions of Work and Employment Relations: Emerging Paradigm - organised by the Department of Business Administration (HR), The University of Burdwan during September 29-30, 2020
- (xxii) One-week Faculty Development Programme on Learning Management System & Open Educational Resources – organised by IQAC and Science Departments of Krishna Chandra College, Hetampur on November 8, 2020
- (xxiii) State level webinar on “COVID 19 Variants and Vaccination Against It” – organised by the PG NSS Units of The Burdwan University on June 11, 2021.
- (xxiv) To act as resource person in delivering Keynote Address on 8th March, 2018 in the 1st Three-Day International Conference on "Frontiers in Biological, Environmental and Medical Sciences" to be held during March 08-10, 2018 at The University of Burdwan, Burdwan, India
- (xxv) Acted as resource person in delivering Keynote Address on 22nd February, 2018 at the Interdisciplinary (Science) National Seminar on "Science & Mankind - A Better Tomorrow" to be held on 22nd & 23rd February, 2018 at A.B.N. Seal College, Cooch Behar, West Bengal, India
- (xxvi) Acted as a resource person in delivering the Valedictory Lecture on 3rd February, 2018 in the International Zoological Conference (INTZOOCON 2018) to commemorate the 100 years of the Department of Zoology at University of Calcutta, West Bengal, India
- (xxvii) Acted as Chief Guest in the Inauguration Ceremony of Eastern Chapter Conference of Association of Medical Physicists of India, AMPI EC 2018 on January 20, 2018 at SINCLAIR Tourist Resort, Burdwan, West Bengal, India
- (xxviii) Delivered Invited Lecture in Raiganj University on Blue Economy: Indo-Bangladesh Perspective, January 10, 2018.
- (xxix) Delivered speech as Chief Guest on Blue Economy: Bangladesh Perspective in Dhaka University, Bangladesh, December 09, 2017.

- (xxx) Acted as Resource Person in the National Seminar on “Genomics: Molecular to Ecosystem Level” organized by The Asiatic Society, Kolkata
- (xxxi) Acted as Resource Person in the National Seminar on Biodiversity: Exploration, Exploitation, Conservation & Management – Vision & Mission organised by Barasat Government College in 2016
- (xxxii) Acted as Chairperson, West Bengal Science Congress, 2016 organised at Bankura Christian College
- (xxxiii) Acted as Resource Person in the National Seminar on the Impact of Climate Change, Biodiversity and good plant protection practices on crop productivity. Organised by BCKVV in 2016
- (xxxiv) Acted as Resource Person in the National Seminar on ‘From Molecules to Ecosystem – A Zoological Perspective’ organised by Rahora Ramkrishna Mission College in 2016
- (xxxv) Acted as Resource Person in National Level UGC sponsored Seminar on Climate Change: Issues and Challenges to Society, Environment and Development. Organised by Haringhata Mahavidyalaya in 2016
- (xxxvi) Acted as Resource Person in National Level 1st Annual One Day Seminar of Indian Association of Biomedical Scientists jointly organised by IABMS, Eastern Regional Chapter and Rammohan College, Kolkata in 2016
- (xxxvii) Acted as Resource Person in National Seminar on challenges and opportunities of university administration in the 21st century organised by Netaji Subhas Open University, Kolkata in 2015
- (xxxviii) Invited Lecture as Resource person on 22-11-2015 in a National Seminar Organised by A.P.C. Roy College. **Title:** *Determination of LC50 or LD50 for a particular toxicant* in the workshop entitled Contemporary Laboratory and Field Experiments in Zoology
- (xxxix) Invited Lecture as Resource person on 20-11-2015 in a National Seminar Organised by Nakshalbari College; **Title :** *Environment and Human Health* on DST sponsored one day seminar on Environment and Human Health
- (xl) Invited Lecture as Resource Person on 09-09-2015 in a National seminar Organised by Krishnath College **Title :** *Study on the changes in Biodiversity of Beels of Berhampore, Murshidabad, West Bengal due to pollution on one day seminar on Role of IQAC in Fostering Environmental Consciousness*
- (xli) Invited Lecture as Resource Person in 2014 in a National Seminar Organised by NSOU **Title** : *Virtual Learning on Biological Dissection*
- (xlii) Chairperson, 2013-14 in a National Seminar Organised by Department of Zoology, The University of Burdwan; **Title:** 21st West Bengal Science & Technology Congress
- (xliii) Chairperson, 2013-14 in a National Seminar Organised by Department of Zoology, Kalyani University; **Title:** 24th All India Congress of Zoology and National Seminar on Biodiversity and its management for food and environmental security and National Helminthological Congress

- (xliv) Delivered a Lecture on Use of water quality, floral and faunal diversity in the determination of ecological health of four beels of Murshidabad in West Bengal, India. 2012-13 Organised by Department of Zoology, Kalyani University in National Conference on Challenges in Biodiversity and Resource Management
- (xlv) Delivered a Lecture on Hands on training for estimation of different limnological parameters and discussion on the causes for their deviations from optimum level. 2011-12 In a Workshop on analysis of limnological parameters under DBT star College Programme Organised by Presidency University
- (xlvi) Delivered a Lecture on Fish parasites and its control. 2010-11 in a Seminar on 22nd National Congress of Parasitology Organised by Department of Zoology, Kalyani University
- (xlvii) Delivered a Lecture on Conservation of fish fauna with special reference to aqua sanctuary. 2010-11 In a Seminar on Conservation of fish fauna with special reference to aqua sanctuary Organised by Office of the Assistant Director of Fisheries, Murshidabad
- (xlviii) Delivered a Lecture on Production enhancement through beel fishery, 2010-11 in a Local Seminar on Production enhancement through beel fishery Organised by Nabindoba Ramanachandpur Fishermen Cooperative Society Limited
- (xlix) Delivered a Lecture on Local Seminar on Pisciculture & Fishermen Community Organised by Cossimbazar Manindranagar Colony Fishermen Cooperative Society Limited
- (l) Delivered a Lecture in Training Programme on Pisciculture and ornamental fish culture and fisheries management International Centre of Ecological Engineering, Kalyani University

24. Membership of Scientific Journals

- I. Life member of "Indian Journal of Environment and Ecoplanning", Society of Environmental Science
- II. Life member of "Science and Culture", Indian Science News Association
- III. Life member of "Proceedings of the Zoological Society", The Zoological Society, Kolkata, India

Nimai Chandra Saha

Prof. Nimai Chandra Saha
 Vice Chancellor
 The University of Burdwan
 Date: 23.06.2021

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 Google Scholar: <https://scholar.google.com/citations?user=jbxidqYAAAAJ&hl=en>
 WoS: <https://publons.com/researcher/4100145/nimai-chandra-saha/>
 Vidwan: <https://vidwan.inflibnet.ac.in/profile/184896>
 Website: <https://sites.google.com/zoo.buruniv.ac.in/profnimaichandrasaha/home>
 Researcher IR: <https://publons.com/researcher/4100145/nimai-chandra-saha/>