

RESUME'



Name: TAPTI SENGUPTA NET, Ph.D., PG in Human Rights
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Present place of posting: Associate Professor and HOD at Department of Microbiology, West Bengal State University, Barasat, 24 pgs(N).Kolkata 700126, West Bengal, India. Since January 2009- till date (18 Years of experience in Teaching and Research).

Coordinator for West Bengal: Microbiologists Society of India.

EDUCATIONAL QUALIFICATION:

Bachelor of Fishery Science Residential Course (B.F.Sc.)

University: West Bengal University of animal and Fishery Sciences, 68, Kshudiram Bose Sarani, kolkata-37.

Year of passing: 1999

Percentage of marks and division: 84.82% **First class First.**

Master of Fishery Science (M.F.Sc) Major: Pathology and Microbiology.

Thesis title: "Occurrence, distribution and antibiotic resistance of luminous vibrios in penaeid shrimp farms of West Bengal".

University: West Bengal University of animal and Fishery Sciences, 68, Kshudiram Bose Sarani, kolkata-37.

Year of passing: 2002

Percentage of marks and division: 87.05% (O.G.P.A- 3.86/4.0) First class.

Ph.D(Science)

University: Jadavpur University

Thesis title: "Fabrication of management models for culture-based fisheries systems" Year of passing: 15th Dec, 2008

Qualified **National Eligibility Test** in 2005.

Completed **PG Diploma in Human Rights from National Institute of Human Rights**, New Delhi in June, 2014, with 70 % marks (First Class).

**ORIENTATION/REFRESHER COURSE, TRAININGS AND WORKSHOPS
COMPLETED:**

Completed Orientation Programme from Himachal Pradesh University, Shimla 171005 in 2012 with Grade 'A'.

Completed **Orientation Course** on NSS from Narendrapur Ramkrishna Mission, Kolkata.

Completed Refresher Course in Biotechnology from JNU, New Delhi with Grade 'A' .

Completed **Refresher course in Environmental Science** from Kumayun University, Nainital with Grade 'A' in 2014.

Completed **3 weeks Special Summer School** on Conservation of Environment from UGC-Human Resource Development Centre. Himachal Pradesh University, Shimla-171005 in from 23rd May to 11th June, 2016 with Grade 'A'.

Completed **6 days workshop** on "Microbial Systematics, V2" at **IMTECH, Chandigarh**, January, 2018.

Completed **2 days hands on training workshop** on "Laboratory Diagnosis of Emerging Viral Diseases" organized by Regional Virus research and Diagnostic Laboratory, ICMR- National Institute of Cholera and enteric Diseases.(27th-28th February, 2018)

Completed **one week workshop** on "Application of Statistical Methods in Medicine, Public Health and Environment using computer" conducted by Applied Statistics Unit, ISI, Kolkata March 2015.

Completed **2 days workshop** on "Culture of responsibility, pathogen inventory management and fundamentals of working in Biosafety Cabinets". Conducted by American Society of Microbiology and Society for Bio-safety held at ICAR NEH, Barapani, Meghalaya. 2015.

Successfully completed **7 days International Workshop** on "Applications of Flow Cytometry and Imaging in Cell Biology and Nano-Technology from Centre for Research in Nanoscience and Nanotechnology, University of Calcutta and BD Biotech. (11th -18th August, 2012).

Successfully completed **15 day National Training Programme** on " Biosafety and Security in Animal Health coupled with Xenobiotic Residues and their Mitigation" conducted by I.C.A.R (1st to 15th December.2011) from West Bengal University of Animal and Fishery Science, Belgachia, Kolkata 37.

CONFERENCES AND WORKSHOPS CONDUCTED:

Organised two days “**Workshop on Metagenomics**” and **National level Competition (IIT Delhi) in Association with Makeintern & Shaastra (IIT Madras Event)**” on 26th and 27th November 2019 and finale on 9th Feb,2020.

Organized **2 days National Level Conference** on Emerging Trends in Biotechnology at the Dept. Of Microbiology, WBSU. in March,2016.

Ongoing Projects and Completed Projects:

1. Principal Investigator at **DBT,W.B** funded three year project on "**Molecular Genetic Characteristics and phytoremediation of *M.marinum* in the state of West Bengal**" **Completed.**
2. Collaborator at **ICAR RC NEH** coordinated project on Medicinal Plant Platform,under Division of Animal Health. Principal Investigator of Project titled "**Screening, in-vitro and in-vivo study of the anti mycobacterial activity of potential plant extracts from North East Region**"
3. Principal Investigator at **Department of Higher Education and Science and Technology, W.B** funded three year ongoing project “**Study on the Pathogenicity of MDR Zoonotic NTMs and their Phytoprophylaxis: A Molecular Approach**”.

Ph.D Guidance Program and Thesis Evaluator:

1. Guiding **three** Ph.D students including **one** Inspire fellow. Pre Thesis Seminar complete and submission underway.
2. Ph.D. evaluator at AMITY University, AMET University, Osmania University, WBUAFSc.,Birsa Agriculture University, Kalyani University, BCKVV and Techno India University.
3. Guiding Masters’ students in Summer Projects and Internships.

Awards:

Received **Young Scientist of the Year Award in Microbiology**, 2019. DSHK College, Assam, Dibrugarh by IASR.

NSS Best Program Officer Awards for NSS, Unit II, WBSU.

Consultancies:

1. Active consultancy on probiotics in fish feed and remediation of fish diseases.
2. Consultancy on fish feed formulation using natural ingredients and herbal products from mangroves and aquatic environment.
3. Environmental bioremediation and pollution monitoring.
4. Phytoremediation of aquatic animal diseases and zoonotics, monitoring of aquatic animal health using biotechnology tools.

Administrative / Professional Experience :

- Co-ordinator, Dept. of Microbiology, West Bengal State University.
- Convener of Board of Research Studies, West Bengal State University.
- Convener of PG, Board of Studies, Dept. of Microbiology, W.B.S.U.
- Convener of UG, BOS (Fishery Science)
- Convener of UG, BOS (Sericulture)
 - Programme Officer, National Service Scheme. WBSU and member of Administrative Committee, NSS. Since 2010.
- Convener, PG, BOS at Acharya Prafulla Chandra College.
 - Convener PG, BOS at Rastraguru Surendranath College, Barrackpore. Convener, PG, BOS at Bidhannagar Govt. College.
 - Paper setter and Examiner for UG, PG and Ph.D (thesis evaluator) at Dept. Of Aquatic Animal Health, Faculty of Fishery Science, West Bengal University of Animal and Fishery Science.
- Paper Setter at Kalyani University.
- Examiner, Ph.D thesis at Amity University.
- Examiner, Ph.D at Agriculture University, Bangladesh.

PROFESSIONAL EXPERIENCE:

1. Worked as **Senior Research Fellow** in APCESS funded project "Development of inventory and fishery management models for reservoirs in India" Under I.C.A.R at Central Inland Fisheries Research Institute, Barrackpore from 20th May, 2002 to 30th September, 2004. The work consisted of data collection, preparation and analysis of data using MS - Excel and **SPSS software**. Developed inventory of reservoirs including productivity, food chain etc using **GIS (SPANS)** software.
2. Worked as **Assistant Fishery Officer** at State Fisheries Research Centre, Kulia, Kalyani, Nadia from 1st October, 2004 to 5th February, 2007. The work consisted of giving training to farmers, rural youths and others on related topics. Both theory and practical classes were conducted along with designing of the class schedule.

3. Worked as **Subject Matter Specialist** (Fishery Science) from 6th February,

2007 to 29th January, 2009. at K.V.K., Ashokenagar, 24 Pgs(N) under I.C.A.R and West Bengal University of Animal and Fishery Sciences, 68, Kshudiram Bose Sarani, Kol-37. The work included designing and conducting on-farm experiments, on-farm trials and front line demonstrations. It also included designing and conducting on-campus and off-campus training for young interested rural students, farmers, youths, women and related extension officers and field level workers in Government and NGO levels etc.

4. Completed **two(2)Summer Schools** entitled "Methods of Assessment of Aquatic Ecosystem for Fish Health Care" and "Fisheries Management of Floodplain Wetlands in India" from 18th July to 16th Aug., 2002 and 18th July to 16th August, 2003 respectively at CIFRI, I.C.A.R, Barrackpore, India.
5. Completed **one(1)Winter School** on "Recent Advances in Freshwater Aquaculture Nutrition" for College Teachers / Research Workers from 28th Nov. to 18th December, 2007 at Central Institute of Freshwater Aquaculture, I.C.A.R, Kausalyaganga, Bhubaneshwar, Orissa, India.
6. Working as **Programme Officer**, Unit II of National Service Scheme (**N.S.S.**) of West Bengal State University, Barasat, 24 pgs(N) and **Advisory CommitteeMember**.
7. Received the **Best Project Presentation** Award in the Summer School on "Methods for Assessment of Aquatic Ecosystem for Fish Health Care" at CIFRI, Barrackpore, India.
8. Obtained training on **Safe handling and use of radioisotopes** to study food chains involving bacteria, assay of radioisotope and use of Scintillation Counter and Spectrophotometer from Bhaba Atomic Research Centre, Vashi, Mumbai.
9. Participated in **Sudev Bhusan Ghosh young Scientist Award** - 2002 at the Zoological Society, Calcutta.
10. Completed a course on **MS - OFFICE**
11. Completed **Basic Mountaineering Course** from Atal Bihari Institute of Mountaineering and Allied Sports (ABHIMAS) Manali, H.P with flying colours.

Completed **Basic Rock Climbing Course**. Other informations:

Memberships:

1. **Life member** of Indian Fisheries Society of India, Barackpore, India.
2. **Life Member** of the Zoological Society of India, Calcutta, India.
3. **Life Member** of Association of Aqua culturists, Bhubaneshwar, India.
4. **Life Member** of Indian Science Congress Association. India
5. **Member of** Virological Society of India.
6. **Life Member** of Society for Biosafety, India
7. **Life Member** of Microbiologists Society of India

Attended hands-on training on **Geographic Information Systems (G.I.S.)** from Geo Institute, Centre for Energy and Development Studies, Calcutta, India.

Completed training from **National Research Centre for Women in Agriculture**, Bhubaneswar, Orissa, India.

Completed a training on **Application of Bioinformatics and Statistics Aquaculture**. From Central Institute of Freshwater Aquaculture, Bhubaneswar, Orissa

Attended off-campus training of **National Institute of Rural Development** on "Community Based Management of Fisheries".

Participated in **International Conference on Integrative Physiology**: Modern Perspective with best paper presentation of the session.

Completed various **subject related trainings**.

Participated in various **High and Low Altitude Treks**.

List of Publications:

1. **Sengupta, T.**, Sasmal, D., and Abraham,T.J.(2003). Antibiotic susceptibility of luminous bacteria from shrimp farm environs of West Bengal. *Ind. J. Mar. Sci.*32(4), pp.334-336. Impact factor- 0.422
2. Abraham, T.J., **Sengupta,T** and Sasmal, D.(2007). Ecology of luminous bacteria in penaeid shrimp grow out systems. *Indian. J. Fish.*54(1), pp.37-44. IF computing
3. **Sengupta,T.**, De,D.,Sugunan,V.V.,Mandal, S.K., Mitra,A. and De,U.K.(2004).Predicting the outcome of stocking and optimal stocking density for culture-based fisheries in small reservoirs in Tamil Nadu, India. *J. Inland. Fish. Soc. India.* 36(2):pp.19-24.
4. Maloy Kumar Sahu, **Tapti Sengupta**, K Sivakumar, T Thangaradjou and L Kannan Detailed Taxonomic Investigations of an Actinobacterial Strain (PS-3), Isolated from a Tropical Estuary (India).IUP Journal of Life Sciences, November, 2010, IJLS11011, p-9 impact factor-2.732 (Peer Reviewed)
5. A preliminary report on the Mycobacteriosis-like infection among the fish handlers of West Bengal, India. **Sengupta et.al.** (2012).Int J Biol Med Res. 2012;3(4):2648- 2650 (PeerReviewed)
6. **Sengupta,T.**, Abraham.T.J. and Sasmal,D.(2015). Occurrence of antibiotic resistant bacteria in shrimp ponds of West Bengal. *International journal of systematic and evolutionary microbiology*.
7. **Sengupta et.al** (2012) "A study on indigenous herbs used in the treatment of Mycobacteriosis from the state of West Bengal" at 5th Global Summit on Medicinal and Aromatic Plants., December 8-12, 2013, Miri, Sarawak, Malaysia.
8. Tirthankar Saha, Parijat Das, **Tapti Sengupta**, Aresh Banerjee: Screening of Aeromonads as associated pathogens from Non Tuberculous Mycobacterial infections in the aquaculture industry, West Bengal, India. 2015:*Journal of*

9. Parijat Das, Tirthankar Saha, **Tapti Sengupta**. A detailed report on mycobacteriosis in *Pampus argenteus* along the coast of Bay of Bengal, West Bengal, India. Accepted in *Journal of Coastal Life Medicine*. ISSN (online) 2309-6152. 2309-5288 (Print).
10. **Tapti Sengupta**, Tirthankar Saha, Parijat Das: A Brief report on the diversity of NonTuberculous Mycobacteria isolated from the various districts of West Bengal, India; 2016; 5th International Conference on Biometrics & Biostatistics, Theme: Exploring Advances in Biometrics & Biostatistics, Houston, Texas, USA.
11. **Tapti Sengupta**, Debapriya Nath, Tirthankar Saha, Nabanita Mukherjee: Resistance Profiling of Staphylococcal species Associated with Biofilms in UTI patients from hospitals of West Bengal, India; 2016; The IRES - 102nd International Conference on Medical and Health Science (ICMHS), Kuala Lumpur, Malaysia. ISSN No.-2321-9009(web) 2321-8981 (print)
12. **Tapti Sengupta**, Parijat Das, Tirthankar Saha: Epidemiology and Drug Resistance of Non Tuberculous Mycobacteria in India: a Mini Review. 2017; *Biostat Biometrics Open Acc J*. Volume 1 Issue 4. ISSN No. 2573-2633.

Book Chapters:

1. Spatial variation of the microbial diversity in the mangrove dominated Sundarban Forest of India in 'Recent Advancements in Microbial Diversity'
Authors: **Tapti Sengupta** and Abhijit Mitra
Publisher: Elsevier AP Publications.
ISBN: 978-0-12-821265-3.
April 2020.(P.333-350)
2. Bioceutical and Antimicrobial Efficacy of Some Medicinal Plants of India in 'Natural Resources and Their Ecosystem Services'
Authors: **Tapti Sengupta**, Sinchita Biswas, Souvik Biswas, Indira Mukherjee and Parijat Das.
Publisher: H.S.R.A Publications, Bangalore, No. 2, Sri Annapoorneshwari Nilaya,
1st Main, Byraveshwara Nagar, Laggere,
Bangalore - 560058, India
pp 126-139.
Publication Date: 2020
ISBN: 978-81-947216-7-3.
3. Nutrient load in the river Ganges during the COVID-19 Lockdown phase: A ground zero observation in 'NUJS Journal of Regulatory Studies'
Authors: **Tapti Sengupta**, Prosenjit Pramanick and Abhijit Mitra.
Special Issue: **ISSN:** 2456-4605(O).
pp. - 79-83. April 2020.

4. Convalescent Plasma Therapy for Covid-19: Immunoglobulins in 'RESEARCH INSIGHTS OF LIFE SCIENCE STUDENTS'

Authors: SouvikNath and Tapti Sengupta

Publisher: JPS Scientific Publications, Tamil Nadu, India.

Publication Date: 07/04/2020

ISBN: 978-81-947154-5-0,

Sector – Biotechnology, Volume – 2; Year – 2020, Chapter – 181, Page: 450 – 452

5. Antimicrobial Resistance (AMR) and effect on Environment in 'RESEARCH INSIGHTS OF LIFE SCIENCE STUDENTS'

Authors: ArijitMondal and Tapti Sengupta

Publisher: JPS Scientific Publications, Tamil Nadu, India.

Publication Date: 07/04/2020

ISBN: 978-81-947154-5-0)

Sector – Microbiology, Volume – 2; Year – 2020, Chapter – 91, Page: 220 – 221

6. Recent Techniques on Shrimp Farming- Biofloc System in 'RESEARCH INSIGHTS OF LIFE SCIENCE STUDENTS'

Authors: Sinchita Biswas and Tapti Sengupta

Publication Date: 07/04/2021 Publisher: JPS Scientific Publications, Tamil Nadu, India.

Publication Date: 07/04/2020

ISBN: 978-81-947154-5-0)

Sector – Animal Science, Volume – 2; Year – 2020, Chapter – 339, Page: 850 – 852

7. Assessing the Antibiotic resistance pattern in Nontuberculous mycobacteria (NTM) and its socio-economic effect on Aquaculture in the Murshidabad district of west Bengal, India

Authors: Tapti Sengupta, Tirthankar Saha, Arijit Mondal, Souvik Nath, Sinchita Biswas and Parijat Das

Publication Date: 2023 (First Edition)

Name of the Book: Anthropological Perspectives on health and Disease, Chapter -11, Page 131-139,

Publisher: Pathak Publisher and Distributors (New Delhi), Editor: Subir Biswas, Suman Chakraborty

ISBN: 978-81-94340188

8. Molecular Characterization and Influence of tidal influx on Unique Pathogenic and denitrifying *Pseudomonas* spp. isolated from agricultural landscapes adjacent to the estuaries of West Bengal, India

Authors: Tapti Sengupta, Abhijit Mitra;

Publication Date: 2023 (First Edition)

Name of the Book: Anthropological Perspectives on health and Disease, Chapter -11, Page 131-139,

Publisher: Pathak Publisher and Distributors (New Delhi), Editor: Subir Biswas, Suman Chakraborty

ISBN: 978-81-94340188

9. COVID-19 Treatment Strategies and Phytoprophylaxis.

Authors: T. Sengupta, S. Biswas, S. Nath, A. Mondal, and T. Saha,

Year: 2023

Name of the Book: Ethnic Knowledge and Perspectives of Medicinal Plants (Vol. 1).

Publisher: Apple Academic Press

Editor: M. Öztürk, K.R. Sridhar, M. Sarwat & V. Altay (Eds).

ISBN: 978-1-77491-227-0.

10. Spirulina as a Dietary Supplement: Moving Towards Food Security.

Authors: T. Sengupta, P. Sagar, A. Mondal, S. Biswas, and S. Nath,

Year: 2023

Name of the Book: Ethnic Knowledge and Perspectives of Medicinal Plants (Vol. 2).

Publisher: Apple Academic Press

Editor: M. Öztürk, K.R. Sridhar, M. Sarwat & V. Altay (Eds).

ISBN: 978-1-77491-229-4.

Compendium Publications:

1. Parijat Das, **Tapti Sengupta**, T.J Abraham, Tirthankar Saha, Asesh Banerjee: Geographical distribution of mycobacteriosis related infection in the state of West Bengal; National Seminar on Climate Change and Biodiversity, School of Biodiversity and Conservation of Natural Resources, Central University of Orissa, Koraput, Orissa.
2. Tirthankar Saha, Parijat Das, **Tapti Sengupta**, T.J Abraham: Etiology of fish ulcers: involvement of coccoid forms; International Conference on "Molecular Biology and its Applications" ; Department of Life Science & Biotechnology, Jadavpur University, Kolkata.
3. **Tapti Sengupta**, Parijat Das, Tirthankar Saha and T.J. Abraham: Involvement of Aeromonads as associated pathogens in NTM infected lesion from the cultured fishes of West Bengal; National Conference on "Environmental conservation and clean india programme." Organized by MANU- International Council for Man and Nature (Asia Chapter) In collaboration with UGC - Academic Staff College, Kumaun University, Nainital, Uttarakhand.
4. Tanmoy Mitra, S. Roy, **Tapti Sengupta**: Isolation of zoonotic Dermatophytes from goats in South 24 parganas, West Bengal; IVS-XXIV National Conference Virocon2015; Page no. 243.
5. **Tapti sengupta**, Cameliya Sarkar, T. J Abraham: Association of Luminous Vibriosis with White Spot Syndrome virus in shrimp threat to Aquaculture: Short Review; IVS-XXIV National Conference Virocon 2015; Page no. 166.
6. **Tapti Sengupta** and Tanmoy Mitra: Effectiveness of Calcoflour White Staining over KOH wet mount in the diagnosis of Dermatophytosis in human and animals. IVS-XXIV National Conference Virocon, 8th to 10th Oct, 2015.
7. **Tapti Sengupta**, Parijat Das and Tirthankar Saha: Zoonotic Implication of Non Tuberculous Mycobacteria in Relation to Aquaculture Systems In West Bengal, India International seminar on Molecular Physiological and Nutritional responses During Pathological Alteration of Cell Function Department of Physiology, West Bengal State University, Barsat., . 4th – 7th Jan, 2016.
8. **Tapti Sengupta**, Parijat Das, Tirthankar Saha: Standardization of decontamination protocol for isolation of Non-Tuberculous Mycobacteria from the state of West Bengal; 56th Annual Conference of Association of Microbiologists of India (AMI 2015), Jawaharlal Nehru University, New Delhi; 2015.
9. **Tapti Sengupta**, Cameliya Sarkar, Tinku Goswami, Anwasha Chatterjee: Multiple Drug Resistance: A potential threat emerging from the sewage-fed aquaculture systems and Wetlands with special reference to West Bengal, India; 2nd International conference on chemical, Agricultural and Biological Sciences (CABS-2016), Patong Beach, Phuket, Thailand; pp. 34.
10. **Tapti Sengupta**, Tirthankar Saha, Parijat Das, Cameliya Sarkar: Documentation

and antibiotic profiling of potential pathogenic microorganisms from integrated farming systems of West Bengal; Consortium for an integrated research on molecular medicine: Search for novel biopharmaceuticals from natural resources of West Bengal (CIRMM, WBSU) Department of Zoology, West Bengal State University ; 2016.

11. Tirthankar Saha, **Tapti Sengupta**, Parijat Das: Non Tuberculous Mycobacteria: an emerging threat to aquaculture systems in West Bengal; National conference on New Avenues in Microbiology and Biotechnology Challenges and Prospects (NAMBCP, 2016). Department of Microbiology, West Bengal State University. Page no. 47
12. T. Mitra, **Tapti Sengupta**: Antifungal sensitivity pattern of Dermatophytes isolated from Rabbits in some parts of West Bengal; National conference on New Avenues in Microbiology and Biotechnology Challenges and Prospects (NAMBCP, 2016). Department of Microbiology, West Bengal State University. Page no.42
13. **Tapti Sengupta**, Debapriya Nath, Santwana Mandal: Screening of Denitrifying *Pseudomonas spp.* from Natural wetlands of Kolkata, North 24 Parganas, West Bengal; 2017; One Day International Level Seminar on Recent Trends in Microbiology, Ramakrishna Mission Vidyamandira, Belur Math, West Bengal.
14. **Tapti Sengupta**, Parijat Das, Tirthankar Saha, Debapriya Nath: Antibacterial and antimycotic effects of *N. arbo-tristis*, a commonly used herbal remedy in the state of West Bengal, India; 2017; 2nd National Conference on Understanding The Mechanism and Challenges of Complex Diseases. Department of Biomedical Sciences, Shaheed Rajguru College of Applied Sciences for Women (University of Delhi).
15. **Tapti Sengupta**, Debapriya Nath and Santwana Mondal: Understanding the dynamics of pathogenic and denitrifying *Pseudomonas spp.* isolated from groundwater systems of West Bengal, India. One Day International Seminar On Frontier's in Biological Sciences, organized by St. Xaviers College (Autonomous). Department of Microbiology.
16. Parijat Das, **Tapti Sengupta** and Tirthankar Saha: Effect of *Justicia adhatoda* (Vasaka) dietary supplements in *Ikβa* gene expression for *Labeo rohita* fingerlings challenged with Mycobacterial infection. One Day International Seminar On Frontier's in Biological Sciences, organized by St. Xaviers College (Autonomous). Department of Microbiology.
17. **Sengupta, T.**, Janaroy, A., Biswas, S., Das, P. and Mukherjee, I. Increase in the Occurrence of Disease caused by *Mycobacterium spp.* and *Aeromonas spp.* In Aquarium Fishes due to Stress. Paper present at the UGC-SAP (DRS II) Sponsored National Conference on Stress Responses and Diseases, University of Kalyani, West Bengal, 6-7 March 2020.
18. **Sengupta, T.**, Maitra, R., Roy, S., Pramanik, C. and Nath, S. Monitoring of Fish Production and Assessing the Infectious Agents in Biofloc Culture Systems in Response to Stress Factors. Paper presented at the UGC-SAP (DRS II) Sponsored National Conference on Stress Responses and Diseases, University of Kalyani, West Bengal, 6-7 March 2020.
19. Mondal, A., Pramanik, S., Patra, S., Routh, N., Nandi, R. and **Sengupta, T.** Coronavirus : Myths and Facts. Paper presented at the UGC-SAP (DRS II) Sponsored National Conference on Stress Responses and Diseases, University of Kalyani, West Bengal, 6-7 March 2020.

20. **Sengupta, T.**, Biswas, S., Nath, S. and Mondal, A. Plausible Treatment strategies, Drugs of Choice and Boosting Immunity to Fight Coronavirus. Paper presented at International e-Conference on COVID-19 Impact on Environment and Human Health, Osmania University, Hyderabad, 18-19 July 2020.
21. **Sengupta, T.**, Biswas, S. and Mukherjee, I. Alternative Treatment Strategy by Using Phytochemical Extracts of *Centella asiatica* and *Mikania micrantha*. Paper presented International e-Conference on COVID-19 Impact on Environment and Human Health, Osmania University, Hyderabad, 18-19 July 2020.
22. **Sengupta, T.**, Mondal, A., Nath, S., Biswas, S. and Sagar, P. Spirulina: An Immunity-Booster and Environmentally Friendly Food Supplement. Paper presented at International e-Conference on COVID-19 Impact on Environment and Human Health, Osmania University, Hyderabad, 18-19 July 2020
23. Tapti Sengupta, Ruma Nandi, Kanchan Shaw, Souvik Nath, Sinchita Biswas, Arijit Mondal; Understanding the occupational health and hygiene status of women in the rural areas of Barasat, West Bengal, India during Covid-19 pandemic: Anthropology of Health and Disease: Past, Present and Future: 51st Annual Conference of the Indian Anthropological Society & International Seminar, 21-23 December 2021
24. Tapti Sengupta, Arijit Mondal, Tirthankar Saha, Souvik Nath, Sinchita Biswas, Parijat Das; Assessing the Antibiotic Resistance Pattern in Nontuberculous Mycobacteria (NTM) and its socioeconomic effect on Aquaculture in Murshidabad District of West Bengal: Anthropology of Health and Disease: Past, Present and Future: 51st Annual Conference of the Indian Anthropological Society & International Seminar, 21-23 December 2021
25. Tapti Sengupta, Moumia Porel, Parijat Das, Arijit Mondal, Sinchita Biswas: Bioprospecting of some lesser known indigenous plants of Eastern India to assess their antimicrobial efficacy against pathogens (2022); Proceedings of National conference on Bioprospecting and Biotechnology-*HAPTEN 2022*
26. Tapti Sengupta, Parijat Das, Tirthankar Saha: Ecological and Socio-economic impact of Biofilm forming Non-Tuberculous Mycobacterial pathogens isolated from aquatic environment of West Bengal (2022): International Conference on Biotechnology for better tomorrow- 2022

List of Referees:

1. PROFESSOR BASAB CHAUDHURI

Vice Chancellor, West Bengal State University, Barasat, 24 Pgs(N), Kolkata
700126, West Bengal, India.
Ph: 03325241977, E-Mail: vc.wbsu@gmail.com

2. PROFESSOR A.K ROY

Presently: Professor (Bioinformatics), Institute of Genetic Engineering,
Badu, Kolkata -7000128 and Co-Coordinator, Bioinformatics Centre,
College of Fisheries, Central Agricultural University, Agartala, India
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Ex. National Consultant (Impact Assessment) for East and North Eastern States, NAIP
(World Bank Funded), ICAR, New Delhi.
Ex. Consultant(Statistics), College of Fisheries, Central Agricultural University,
Agartala, India
Former Principal Scientist & Head, Social Science, CIFA(ICAR), Bhubaneswar, India
Ex. Computer Specialist, SAARC Agricultural Information Centre, Dhaka,
Bangladesh

3. PROF. PARTHA P. MAJUMDER, PhD, FNA, FASc, FNASc, FTWAS

J.C. Bose National Fellow
Distinguished Professor and Founde ,National Institute of Biomedical Genomics,
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4. PROF .T. J. ABRAHAM, PH. D. (MICROBIOLOGY)

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Health Faculty of Fishery Sciences,
West Bengal University of Animal and Fishery Sciences, Chakgaria, Kolkata
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5. PROF. TAPAS K SENGUPTA

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