

NAME OF PROFESSIONAL	Rajarshi Banerjee Microbiologist specialized in Fecal Septage Management and Waste Water Management
E-Mail	rajarshi.rishi@gmail.com
Contact Number	+91 9903048060/ +91 8272998674
LinkedIn Profile Link Google Scholar Link	https://www.linkedin.com/in/rajarshi-banerjee-15234238/ https://scholar.google.com/citations?user=qU44csEAAAJ&hl=en
YEARS OF EXPERIENCE	20 Years
QUALIFICATIONS	<ul style="list-style-type: none"> - PhD in Science(Microbiology), Sardar Patel University, Vallabh Vidyanagar, Gujarat, 2006 - Masters in Science(Microbiology), Swami Ramanad Teerth Marathwada University, Nanded, Maharashtra, 2000 - Masters in Business Administration, Sikkim Manipal University, Gangtok, 2009
MEMBERSHIP	<ul style="list-style-type: none"> - Life Member, Indian Science Congress - Life Member, Association of Microbiologist of India - Life Member, The Helminthological Society of India - Member, Sustainable Sanitation Alliance(SuSanA) - Member, The Water Network - Member, International Water Association (IWA) - Professional Member, Indian Institute of Scholars
Professional Training and Certifications	<ul style="list-style-type: none"> - Leadership and Management, eLearning College ; Jan 2021 - Climate Change, The Open University, Dec 2020 - Climate Change: From Learning to Action, UN Climate Change Learning Partnership (UN CC: Learn); Sep 2020 - Completed "Faecal Sludge and Septage Management: Orientation Module" from National Institute of Urban Affairs, New Delhi. Dec 2020. - Water Supply and Sanitation Policy in Developing Countries Part 1: Understanding Complex Problems' Coursera ((University of Manchester); July 2020 - Completed all four MOOCs of the series "Sanitation, Water and Solid Waste for Development" offered by Eawag-Sandec; June 2020. - Standard Precautions: Waste Management (WHO, Geneva); May 2020 - Antimicrobial Stewardship: A competency based approach (WHO, Geneva); April 2020 - COVID-19: Tackling the Novel Corona virus (London School of Hygiene and Tropical Medicine and UK Public Health Rapid Support Team); April 2020 - Water, Sanitation and Hygiene: Introductory Training Module (CDC's division of Food borne, waterborne and environmental diseases); April 2020 - COVID-19: Operational Planning Guidelines and COVID-19 Partners platform to support country preparedness and response (WHO, Geneva); March 2020. - Certificate course at "Maharashtra Centre for Entrepreneurship development"; June 1997 - Certificate course on sophisticated instrumentation used in Biological and Biomedical Research" (Bose Institute, Kolkata); Sept-Nov 2000 - Completed a certificate course on "Certificate Course on Patents for Engineers, Scientists and Entrepreneurs" from NCL Innovation Park, Pune (30-31 Jan 2015). - Attended Workshop "ISO IWA on Community Scale Sustainable Resource Oriented Fecal Sludge Treatment Systems" at Southern Sun Elengeni,

	<p>Durban, South Africa (27th June – 1st July 2017).</p> <ul style="list-style-type: none"> - Received training on Setting up and standardization of Fecal Sludge Management Laboratory at Pollution Research Group, Department of Chemical Engineering, University of KwaZulu Natal, Durban, South Africa (1-5 July, 2017).
Reviewer and Advisory Board Member	<ul style="list-style-type: none"> - Research & Reviews: A Journal of Biotechnology (STM Journals) (ISSN No.2277-6427) - Research & Reviews: A Journal of Microbiology (STM Journals) (ISSN No. 2230-9853) - International Journal of Research in Biological Sciences (ISSN No:2319-2844) - Food Science (ISSN No: ISSN:1750-3841) - African Journal of Biotechnology. (ISSN No: ISSN1684-5315) - Probiotics and Antimicrobial Proteins (ISSN No: ISSN1867-1306) - Acta Scientific Microbiology - Current Microbiology (Springer)
LANGUAGES KNOWN	English, Hindi, Bengali
FUNCTIONAL EXPERIENCE	FSM Indicators, FSM Decision Making Tools, Sanitation Technologies, Sanitation Planning , Capacity Building, Advocacy, Laboratory Setup, FSM Operations and Monitoring
SECTOR EXPERIENCE	Capacity Building in FSM, FSM O&M technical decision support, Urban & Rural Sanitation, Academic Teaching, Research and Guidance
EXPERIENCE	<p>Banka BioLoo Limited, Hyderabad Year: February 20, 2019 – Current</p> <p>Centre for Science and Environment, New Delhi (AAETI, Nimli) Year: April 2017 to November 2018 Designation: Sr. Scientist and Laboratory Head</p> <p>Seacom Skills University, Shantiniketan, India Year: November 2018- Feb 2019 Designation: Controller of Examinations</p> <p>Haldia Institute of Technology Year: 2007-2017 Designation: Assistant Professor (G-II)</p> <p>Maulana Abul Kalam Azad University of Technology, West Bengal (Haldia Institute of Technology) Year: 2015 to 2017 Designation: University Examination Supervisor</p> <p>Bengal College of engineering and Technology, Durgapur, West Bengal Year: 2006 to 2007 Designation: Lecturer</p> <p>Senior Research Fellow , Sardar Patel University/ NDDB - 2004-2005 Junior Research Fellow, Sardar Patel University/ NDDB-2001-2004</p>

Organizational Experience

1. As AVP-R&D of Banka Biolo Ltd, Hyderabad

- Setting up a complete system of R&D rooting from the lab and extending to all the sectors of the work span of Banka Biolo Ltd; of Bio-toilets, Bio-digestors and Faecal Sludge Treatment Plants.
- Getting the lab ISO, DSIR recognized.
- Collaborating with Academic/ Research Institutions to launch FSM based courses and training and conduct collaborative research.

2. As Controller of Examinations, Seacom Skills University, Shantiniketan, West Bengal

- Has helped in setting up an ICT based University Examination, Evaluation System

3. As Sr. Scientist and Laboratory Head, Centre for Science and Environment, New Delhi (Anil Agarwal Environment Training Institute (AAETI), Neemli, Alwar Rajasthan, Pollution Monitoring Laboratory, A unit of Centre for Science and Environment, New Delhi)

- Executing R&D projects; providing R&D laboratory establishment, operation and advocacy support through collaboration with other scientists. Setting up, calibrating, operating and maintaining a variety of laboratory and/or field research equipment as specified by the requirements of the research study.
- Identifying, collecting, processing and analyzing the data, specimens, and/or samples according to established protocol, procedures & standards, as appropriate to specific objectives of the research study.
- Planning & organizing day-to-day research activities and resolving procedural problems as appropriate to the timely completion of research objectives.
- Conceptualizing lab processes by generating reliable data for investigations, performing routine tasks accurately and implementing strict methodologies to prepare standard methodologies.
- Compiling research data to prepare reports on developmental & analytical works through detailed result analysis & inferences.
- Leading employee training and development division by monitoring competency grids and identifying training needs for skill / competency up-gradation.
- Facilitating implementation of the team development plan; identifying opportunities for training & coaching interventions for channel partners.
- Designing and conducting customizing training programs and ensuring that training & development initiatives are aligned with the organizational goals and culture.

Marked Achievements:

- ✓ **Designed and up-scaled the Pollution Monitoring Lab of CSE to Faecal Septage Management Lab.**
- ✓ **Conducted (2 national level trainings) hands-on training on Fecal Septage analysis and management with govt officials from PCB, SPCB & PHI Academicians and Other stakeholders on Faecal Septage Management and Laboratory Analysis with hands on training.**
 1. Dec 2017
 2. July 2018
- ✓ **Designed, Conducted and released two major research studies on Food safety and environment which led to NAP of India.**

4. Feb 2007 to Mar 2017: Haldia Institute of Technology, Haldia affiliated to MAKAUT, Haldia as Assistant Professor

5. 2013 to 2015: University Assigned Examination Supervisor for Haldia Institute of Technology, Affiliated to MAKAUT, Kolkata.

6. 2012 to 2015: Visiting Lecturer at the Teacher's Training Unit of Alakendu Bodh Niketan

(Residential), Kakurgachi, Kolkata

7. Feb 2007 to Mar2017: Assistant Professor at Haldia Institute of Technology, Haldia, WB
(Teaching and Research involving B.Tech and M. Tech Biotechnology students).

8. Mar 2005 to Feb 2006: Lecturer of Biotechnology (B.Tech) at Bengal College of Engineering and Technology, Durgapur, WB.

Research Projects

- Co-Investigator in “**Heat and Salt Tolerant Microbial Biofertilizer with improved efficiency to withstand Environmental Stress**” funded by West Bengal Department of Science & Technology in2015-2018
- Setting up India’s first public Fecal Septage Management laboratory (for Centre for Science and Development, New Delhi) funded by Bill & Melinda Gates Foundation
- Setting up a complete R&D for Banka Bioloo Ltd., Hyderabad.
- Consultancy Project on “Standardization and Optimization of Alcohol Fermentation from Rice Husk and Rice Bran” for ASN Fuels, Bangalore.

References for Rajarshi Banerjee

Name	Designation	Address	Contact Number
Mr. Sanjay Banka (sanjay.banka@bankabio.com)	Executive Chairman	Banka BioLoo Ltd., 56. Nagarjuna Hills Road, Punjagutta Hyderabad 500082	+917207895814
Mr. Chandra Bhushan (chandra@iforest.global)	President and CEO	International Forum for Environment, Sustainability & Technology 19/103, Eastend Apartments, Mayur Vihar Phase – 1 Extension, Delhi, India – 110096	+919650282840
Dr Maulin P Shah (shahmp@beil.co.in)	Sr. Mgr & Head- Microbiology Lab at Bharuch Enviro Infrastructure Limited (A Group Company of United Phosphorus Ltd.)	BEIL Infrastructure Limited Plot: - 9701-9716, GIDC Estate, Ankleshwar- 393 002, Dist. - Bharuch, Gujarat, INDIA	+91 9099965504

PUBLICATIONS/ARTICLES

Book Publications

- **Rajarshi Banerjee**, Indavadan Kothari and Pratap N Mukhopadhyay (2013), Characterization and Molecular Study of a Chemolithotrophic Bacterium; Lambert Academic Publishing, Germany [ISBN:978-3-659-41522-7]
- **Rajarshi Banerjee** and Vinod Vijayan (2017). Development and Validation of protocol for Testing Fecal Sludge and decentralized Wastewater Technologies. [CSE, India]

Book Chapters

- Jheelam Sarkar, Atun Roy Choudhury, Namita Banka and **Rajarshi Banerjee**. (2021) "Ablest Fecal Sludge Management: Challenging a Dormant Opportunity?" in the book entitled "Environment Monitoring and Management in Industries & Mines" Mittal Publications [In Press].
- Rakhi Thakur, Neha Agarwal and **Rajarshi Banerjee**. (2012) Chapter on 'Validation of some PGPB on Plant Growth' in the book entitled "Biodiversity Conservation: Fundamentals and Applications" published by Dumdum Motijheel College, Dumdum, Kolkata (pp. 253). [ISBN:978-93-80663-57-9]
- Suchandra Sadhu, Shubhayu Biswas and **Rajarshi Banerjee**. (2014). Production of Proteases by psychrotrophic microorganisms isolated from raw vegetable surfaces. Proceedings of „Non-Thermal processing techniques: Emerging innovation for sustainable, safe & healthy foods (NTPT-2014) “. Department of Food Technology, Haldia Institute of Technology, Haldia. [ISBN:978-81-927768-2-8]
- Silali Banerjee & **Rajarshi Banerjee**. (2015). Montessori Teaching Tools used as Assistive Device for Intellectually Disabled Children: A Potential. Proceedings of National Seminar on: Assistive Technologies in Education & Sports for Total Inclusion of persons with Disabilities at 6-7 February, 2015 organized by NIEPMD and Ramakrishna Mission Vivekananda University, Coimbatore. Tamil Nadu. [ISBN-978-93-51960741-5]

Research Publications (Microbiology/Biotechnology)

1. Moumita Maity and **Rajarshi Banerjee**. (2021). Water Quality Demonstrates Detrimental Effects on *Mystus* Species Indicating Pollutant Toxicity. Ecology, Environment and Conservation. ISSN 0971 - 765 X; Issue (2) [In Press].
2. Banka N., Lanke M., Roy Choudhury A., Sarkar J., Anandapu SC and **Banerjee R**. (2020). Evaluation of the Functionality of GeoTube® based Physicochemical Faecal Sludge Treatment: A Cursory Alternate. International Journal of Plant and Environment.Vol.6(2); 122-128 [ISSN: 2454-1117 (Print);2425-202X (Online)] [DOI: 10.18811/ijpen.v6i02.05]
3. Moumita Maity, Gourab Chatterjee and **Rajarshi Banerjee**. (2019) Water Quality Demonstrates Detrimental Effects on Two Seeds during Germination. Current Agriculture Research Journal. Vol.7 (03)377-389 (2019); [ISSN 2347-4688].
4. Vinod Vijayan, **Rajarshi Banerjee**, Amit Khurana, Sonam Taneja and Bhavya Khullar. Who is serving us GM Food? Down To Earth (1-15 August, 2018). 27(6); 30-40 [ISSN0971-8079]. [<https://www.cseindia.org/unlawful-entry-illegal-gm-in-our-food-8909>]
5. **Rajarshi Banerjee** (With advisory inputs). Raising Superbugs. Down To Earth (1-15 Sept, 2017). 26(8); 18-24 [ISSN0971-8079] [<https://www.cseindia.org/fst-report-antibiotic-resistance-in-poultry-environment-8851>]
6. Moumita Maity and **Rajarshi Banerjee**. Seasonal variation in physico-chemical and microbiological parameters as indication to surmounting pollution in some selected water bodies in a port city of West Bengal. Pollution Research. 37(2) 565-573 (2018); [ISSN: 0257-8050; Scopus- H Index –18; NAAS Rating –4.75]
7. Roy P, Guha D, **Banerjee R**, Singh M (2016) A Comparative Study of Three Rhizospheric Bacteria Belonging to Different Genera, Co-Infecting a Leguminous Plant. J Investig Genomics 3(3):63-73 [DOI: 10.15406/jig.2016.03.00053]
8. MoumitaMaity and **Rajarshi Banerjee**. Physico- chemical and Microbiological Study of Some Water bodies in Two Economically Important Cities. International Journal of Water Research. 2016; 6(1): 20-25. [ISSN 2348 2710].
9. Arindam Datta, MoumitaMaity and **Rajarshi Banerjee**. Seasonal variations in Physical, Chemical and Biological Characteristics of a few canal systems of east Kolkata wetlands. Pollution Research. September Vol. 35, Issue 2, 2016: 353-361. [ISSN: 0257-8050; Scopus- H Index –18; NAAS Rating –4.75]
10. **Rajarshi Banerjee**, ArpitaHalderand Ashima Natta. Psychrophilic Microorganisms: Habitats and Exploitation Potentials. European Journal of Biotechnology and Bioscience. March 2016. 4(3)16-24. [ISSN: 2321-9122; IF:5.44]
11. Arikta Biswas and **Rajarshi Banerjee**.A LAB originated Bacteriocin-its partial purification and antimicrobial activity demonstration. IJCMAS. March 2016. 5(3) 728-737. [ISSN:2319-7692(Print), ISSN:2319- 7706(Online); IF:2.937] [DOI:<http://dx.doi.org/10.20546/ijcmas.2016.503.085>]
12. Siraj Datta, Debanjan Jana, Tilak Raj Maity, AveekSamanta, and **Rajarshi Banerjee**. Piper betel leaf extract affects

- the quorum sensing and hence virulence of *Pseudomonas aeruginosa* PAO1. 3Biotech, Springer. **2016**;6:18 [DOI 10.1007/s13205-015-0348-8].
13. Urmimala Chaudhury, Swarnendu Chandra and **Rajarshi Banerjee**. Use of Probiotics amongst General Medical Practitioners: An Assessment. International Journal of Advanced Research. **2015**; 3(12). 1063 – 1069 [ISSN 2320-5407; **IF4.588**]
 14. Aritra Goswami, Laboni Ghosh and **Rajarshi Banerjee**. The lacuna between R&D and technological commercialization of Biofertilizers in South Asian countries. J. Adv. Res. MicroBiol. **2014**; 1(1): 1-25
 15. Neha Agarwal, Rakhi Thakur and **Rajarshi Banerjee**. Probiotics: A New Concept in Prophylaxis. . Research & Reviews: A Journal of Biotechnology. Vol. 3 (1). **2013**. 1-10. [ISSN2231-3826]
 16. Rakhi Thakur, Neha Agarwal and **Rajarshi Banerjee**. Biofertilisers: Yesterday, Today & Tomorrow. Research & Reviews: A Journal of Biotechnology. Vol. 2 (2). **2012**. 11-29 [ISSN2231-3826]
 17. Swarnendu Chandra, Urmimala Chaudhury and **Rajarshi Banerjee** Development of a Synbiotic Fish Feed to Assist in Aquaculture Nutrition Management. Researcher. Vol.2 (5).**2010**. 63-75 [ISSN 1553-9865 (print); ISSN 2163-8950]
 18. Maulin P Shah, G V Reddy, **Rajarshi Banerjee**, P Ravindra Babu & I L Kothari Microbial Degradation of Banana Waste Under Solid State Bioprocessing Using Two Lignocellulolytic Fungi (*Phylosticta*spp. MPS-001 &*Aspergillus* spp. MPS-002) Process Biochemistry. Vol.40, **2005**, pp.445-451 [ISSN: 1359-5113; **IF2.516**]
 19. **Banerjee R**, Nagee A, Mukhopadhyay PN, Kothari IL. Molecular dissection of di-heme cytochrome C gene from soil isolate of a gram negative, facultative chemolithotrophic sulfur oxidizer. Roum Arch Microbiol Immunol. **2004** Jul-Dec;63(3-4):223-33 [ISSN 1222-3891; **Scopus H Index:9**]
 20. Devarshi Mistry, **R Banerjee**, IL Kothari, A Mishra and GB Valand. Systemic Antiviral Resistance against Tobacco Chlorotic Mottle Virus by Plant Extracts. Indian Journal of Plant Protection. Vol 31(2). **2003**. 61-65 [ISSN 0253- 4355 (print); ISSN 2249-7870 (online)]

Research Publications (Human Resource Management)

- Mukherjee, M., **Banerjee, R.**, Datta, A., Sen, S. and Chatterjee, B. “Women Fishers in Periurban Kolkata” Urban Agriculture Magazine (RUAf, The Netherlands). No. 12, May, **2004**, pp.40
- Mukherjee, M., **Banerjee, R.**, Datta, A., Sen, S. “Socio-economic status of fisherwomen of peri-urban areas of Kolkata (West Bengal)”, Women in Fisheries, Published by Indian Society of Fisheries Professionals, **2002**, pp. 84– 88

Mukherjee, M. Datta, A. Sen, S. and **Banerjee R**. “Ornamental fish farming- A new hope in microenterprise development in Peri-Urban area of Kolkata” HRD in Fisheries and Aquaculture for Eastern and North Eastern India, CIFE, Kolkata Centre, 14 – 15th March, **2002**, pp. 48 –49

- Mukherjee M., **Banerjee R.**, Datta A., Sen S. and Chatterjee, B. “Occupational hazards and socio-economic status of women fishers of peri-urban areas of Kolkata.” Published by Dept. of Fisheries, Govt. of West Bengal in collaboration with Ministry of Agriculture, Govt. of India. August, **2002**, pp.91–105
- Sohini Datta, Mukesh Singh and **Rajarshi Banerjee**. Presented a paper entitled “Communication Lacunae among students of Biotechnology in Developing, Lab-to-Field” Strategies: A general Observation” at International Conference on “Social, Technological and Economic Paradigms of Management and its Impact on Global Business Scenario on 11-12 February, **2014** organized by School of Management and Social Science, Haldia Institute of Technology, Haldia. pp.9.
- Silali Banerjee and **Rajarshi Banerjee**. Presented a paper entitled “Awareness & Attitudes towards disability in sub-urban communities of Kolkata, India” at UGC(UPE- II) sponsored International Level Seminar on “Education of people with special needs” on 4-5 March, **2014** organized by Special Education & HEPSN Cell, Jadavpur University, Kolkata, Turnstone Global, Kolkata & Sarva Shiksha Mission, Kolkata
- Silali Banerjee and **Rajarshi Banerjee**. Presented a paper entitled “Montessori teaching tools used as an assistive device for an Intellectually Disabled Children: A potential” at National Seminar on Assistive Technology in education and Sports for total inclusion of persons with disabilities on 6-7 February, **2015** organized by NIEPMD, Chennai. Tamil Nadu.
- Silali Banerjee and **Rajarshi Banerjee**. Presented a paper entitled “Comparing Montessori teaching and IEP teaching methods to lay a potential for Inclusion Setup to teach Intellectually Disabled Children” at National Seminar on Models of Best practice in empowerment of Persons with Disabilities on 16- 17 Oct, **2015** organized by NIEPMD & IUCDS, MG University, Kottayam TamilNadu.

Poster / Oral Presentations

- **Won 2nd Prize** in Poster Competition in B.Sc. (Third Year) on a State Level Seminar entitled ‘Microbes: Biotoools of the 21st Century’ at Government College of Arts and Science, Aurangabad, Maharashtra
- Devarshi Mistry, **R Banerjee**, IL Kothari, A Mishra and GB Valand. Systemic Antiviral Resistance Against Tobacco Chlorotic Mottle Virus by Plant Extracts; presented at Asian Congress of Mycology and Plant Pathology from 1st Oct to 4th Oct 2002 at University of Mysore, Mysore
- **Rajarshi Banerjee** & I.L.Kothari. Isolation and Characterization of Chemolithotrophic Microbes for their use in Environmental Bioremediation Programme. Presented in National Symposium on Environmental Biotechnology

- and Biodiversity Conservation under UGC-DSA Programme from 31st Jan and 1st Feb 2003. S.P. Uni, V.V. Nagar
- **Rajarshi Banerjee**, Anju Nagee, PN Mukhopadhyaya and IL Kothari. Isolation and Molecular Study of a Soil isolate of Sulfur lithotrophic Bacterium. Presented at International Conference on Microbial Biodiversity: Current Prospectives and Potential Applications from 16-18 April 2005 held at University of Delhi (South Campus), New Delhi.
 - Goel AK, Ansari MJ, **Banerjee R**. Production of ethanol based Bio-Diesel and Evaluation of its Microbial Interaction. Presented at Joint Indo-Korean Symposium on Biochemical Engineering & Biotechnology, BIOHORIZON '07 held at Department of Biochemical Engineering and Biotechnology, Indian Institute of Technology, Delhi, Hauz Khas, New Delhi 110016
 - Urmi Mandal, **Rajarshi Banerjee**. Effect of Salt Stress on growth of Leguminous Plants. Presented at National Level Students Symposium BIOMICAL -'07 from 9-10 March, 2007 organized by Department of Biotechnology, College of Engineering, GITAM, Vishakhapatnam- 530045, Andhra Pradesh
 - Riddhita Chakraborty, **Rajarshi Banerjee**. Mass Culture and marketing strategies of promoting PGPB bacteria in Indian sub-continent. Presented and **won 1st prize** at National Level Students Symposium BIOMICAL -'07 from 9th & 10th March 2007 organized by Department of Biotechnology, College of Engineering, GITAM, Vishakhapatnam- 530045, Andhra Pradesh
 - Soumya Banerjee, **Rajarshi Banerjee**. Mass Cultivation of PGPB (Plant Growth Promoting Bacteria) and their effect on some leguminous plants. Presented at National Level Students Symposium BIOMICAL -'07 from 9th & 10th March 2007 organized by Department of Biotechnology, College of Engineering, GITAM, Vishakhapatnam- 530045, Andhra Pradesh.
 - Urmimala Chaudhury, Swarnendu Chandra and **Rajarshi Banerjee**. Prevalence and Usage of Probiotics, is it underused? A brief Study. Presented at "International Conference on Biotechnology", 6-8th February, 2008 at Vellore Institute of Technology (VIT), Vellore, TamilNadu, India
 - Swarnendu Chandra, Urmimala Chaudhury and **Rajarshi Banerjee**. Bacteria for Life!!! Is it true? Presented at "15th West Bengal State Science and Technology Congress", 28th-29th February, 2008 at Bengal Engineering and Science University (BESU), Shibpur, Howrah, W.B., India
 - Dhar Hiya, Chaudhuri Gargi, Bhattacharyya Samidh and **Rajarshi Banerjee**. Prevalence of PLCV in the Local Niche and an initiative Study to Combat the Disease through development of Systemic Acquired Resistance. Presented at "1st International Society Biotechnology Conference", 28th-30th December, 2008 at Sikkim Manipal Institute of Technology, Majitar, Gangtok, Sikkim, India
 - Swarnendu Chandra, Urmimala Chaudhury, Arka Saha and **Rajarshi Banerjee**. Is Synbiotic Feed an Answer to Aquaculture Nutrition Management? Presented at "Indian Science Congress", 3rd-7th January, 2009 at North Eastern Hill University (NEHU), Shillong, India
 - Arka Saha, Swarnendu Chandra, Debolina Banerjee and **Rajarshi Banerjee**. Isolation of Potential Bacteria to Study the Potential of Its Exploitation as a Probiotic. Presented and **won 2nd Prize** at "Future of Food Biotechnology in India; National Conference", 8th-9th January, 2009 at National Institute of Technology, Durgapur India
 - Biswas Arikta, Mukherjee Sourav and **Banerjee Rajarshi**. Partial Purification of a LAB originated Lantibiotic and Demonstration of its Antimicrobial Activity. Poster Presented at "2nd Annual Biotechnology Conference for Students (ABCS)" 13th- 14th November, 2010 at IIT, Pune, Maharashtra
 - Arikta Biswas and **Rajarshi Banerjee**. A LAB originated Bacteriocin-its partial purification and antimicrobial activity demonstration. Oral Presentation given at National Seminar entitled "Advancement of Food Technology: Role of Nanotechnology and Biochemical Engineering"; 5th-6th May, 2011, held at Department of Food Technology, Haldia Institute of Technology, Haldia
 - Karjee Tanmay, Nanda Ujani, Madhumanti Halder and **Rajarshi Banerjee**. Development of a Microbial Consortium: A plausible Biofertilizer. Poster presented at National Seminar entitled "Advancement of Food Technology: Role of Nanotechnology and Biochemical Engineering"; 5th-6th May, 2011, held at Department of Food Technology, Haldia Institute of Technology, Haldia
 - Rakhi Thakur, Neha Agarwal, Samanway Choudhury, Debojyoti Kabiraj and **Rajarshi Banerjee**. Validation of some PGPB on Plant Growth. Poster presented and **won 3rd prize** at a National Level Seminar on "Biodiversity: Threats and Conservation through traditional and Biotechnological Approaches; 4th to 6th Feb, 2012 at Dum Dum Motijheel College, Dum Dum, Kolkata
 - Artira Goswami, Laboni Ghosh and **Rajarshi Banerjee**. Prevalence of the use of Probiotics in Therapeutics: A Survey presented at "National Seminar on „New Horizons in Biotechnology“ on 30-31 August, 2013 organized by Department of biotechnology, Haldia Institute of Technology, Haldia. [ISBN 978- 81- 927768- 0-4]
 - Sonali Metya and **Rajarshi Banerjee**. "Microbial Flora study in the suburban industrial soils of South Bengal" presented at "National Seminar on „New Horizons in Biotechnology“ on 30-31 August, 2013 organized by

- Department of biotechnology, Haldia Institute of Technology, Haldia. [ISBN 978- 81- 927768- 0-4]
- Suchandra Sadhu, Shubhayu Biswas and **Rajarshi Banerjee**. Presented a paper entitled "Production of Proteases by psychrotrophic microorganisms isolated from raw vegetable surfaces" presented at Non-Thermal processing techniques: Emerging innovation for sustainable, safe & healthy foods (NTPPT-2014) on 21-22 March, 2014 at Department of Food Technology, Haldia Institute of Technology, Haldia. [ISBN:978-81-927768-2-8]
 - Arpita Halder, Arpan Roy and **Rajarshi Banerjee**. Poster presented and won the **BestPoster Award**. "Psychrotrophic Protease Producers" at National Conference entitled. Recent Advances in Chemo & Biosciences" at Moolji Jetha College, Jalgaon, Maharashtra (23-24 January 2015).
 - Atun Roy Choudhury, L K Mahalakshmi, Jheelam Sarkar, Namita Banka, **Rajarshi Banerjee**. Presented a paper entitled "Assessment of the Impact of Bio-solids Application in Okra Cultivation Derived from Stabilized Fecal Sludge " at 10th International Conference on Sustainable Waste Management towards Circular Economy, Jadavpur University, Kolkata, (Virtual Mode) [December 2 – 7, 2020].

Other Presentations

- Presented a talk in Business Proposal Contest (shortlisted amongst the top six) entitled "Protrooms: Savour& Replenish!" at Joint Indo-Korean Symposium on Biochemical Engineering & Biotechnology, BIOHORIZON '07 On 22-24 Feb, 2007 held at Department of Biochemical Engineering and Biotechnology, Indian Institute of Technology, Delhi, Hauz Khas, New Delhi 110016.
 - Invited to deliver lecture as scientist at Telangana State Environment Congress on 16-17th April, 2019.
 - Invited as Resource person to deliver a talk to Railway employees (Supervisors) on "**Environment and Housekeeping**" during 5-7 Sep 2019 at NIMSME (Yousufguda) campus.
- Invited to deliver a talk at the National Conference entitled "NHBT-2019" at Haldia Institute of Technology, Haldia, WB on 12th Sept, 2019.
- Delivered a talk at one day workshop organized by Swachha Andhra Corporation (SAC) in collaboration with Rural Water Supply, of Andhra Pradesh on the 4th October 2019 on "Liquid **Waste Management in Rural Andhra Pradesh**".
 - Conducted webinar on 'India's sanitation Mission and its relevance in present COVID-19 pandemic' in association with JIS College of Engineering, Kalyani on 12th April. 2020.
 - Conducted webinar on 'Swach Bharat Abhijaan: India's sanitation Mission, challenges and progress amidst Corona pandemic' in association with IEM, Rotary Club of Saltlake and Inner Wheel Club, Kolkata on 28th April. 2020 and 5th May, 2020 (<http://youtu.be/d-wN-Sej4jc>).
 - Conducted webinar on 'Sanitation Mission of India in the present COVID-19 scenario: Status Quo and Way Beyond' in association with Seacom Pharmacy College, a unit of Seacom Group, Kolkata on 6th May, 2020.

