

PROFORMA FOR BIO-DATA (to be uploaded)

1. Name and full correspondence address

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3. Academic Qualification: M.Sc. (Zoology), Ph.D.(Biotechnology)

4. Ph.D thesis title, Guide's Name, Institute/Organization/University, Year of Award. **Title:** Immunological Responses and Internal Microbes of *Eisenia fetida*
Guides's name: Prof. Ranadhir Chakraborty

Institution: Department of Biotechnology, University of North Bengal

Award: 24.12.2018.

5. Work experience (in chronological order).

S.No.	Positions held	Name of the Institutions	From	To	Pay Scale
1	Assistant Professor (Stage 3)	Department of Zoology, NBU	02.12.2019	till date	
2	Assistant Professor (Stage 2)	Department of Zoology, NBU	02.12.2014	till date	
3	Assistant Professor	Department of Zoology, NBU	07.12.2012	01.12.2014	
4	Assistant Professor in WBES	Acharya Brojendra Nath Seal College, Coochbehar	02.12.2008	06.12.2012	
5	Assistant Teacher	Hemtabad Adarsha Vidyalaya	16.02.2006	01.12.2008	

6. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant.

S.No	Name of Award	Awarding Agency	Year
1	JRF NET	UGC	June 2005
2	SLET West Bengal	WBCSC	Feb 2006

7. Publications (*List of selected papers*).

1. Ghosh AJ, Islam R and **Saha T** (2021) Dietary Supplementation of *Lactobacillus brevis* Normalizes Metabolic Parameters in Mouse with Obesity and Hyperglycemia. *Journal of Pharmaceutical Research International*. 33(45A), 60-70. IF: XXXX, Doi: 10.9734/jpri/2021/v33i45A32715.
2. **Saha, T**, Paul D and Chakraborty R (2021) Abundance of Multiple-Antibiotic-Resistant *Salmonella* Strains in Fecal Samples of Rhinoceros unicornis of the Kaziranga National Park, India. *Journal of Pharmaceutical Research International*. 33(44B), 298-313. IF: XXXX, Doi: 10.9734/jpri/2021/v33i44B32680.
3. **Saha T**, Biswas A and Chakraborty R (2021) Subinhibitory Levels of Oxytetracycline in Earthworm Meal Significantly Boost Resistance-Mutation Rates in *Bacillus* spp. within the Gut

- of *Eisenia fetida*. *Journal of Pharmaceutical Research International*. 33(45A), 80-87. IF: XXXX, Doi: 10.9734/jpri/2021/v33i45A32717.
4. Sarkar B, Das K, **Saha T**, Prasad E, Gardas RL. Insights into the Formations of Host–Guest Complexes Based on the Benzimidazolium Based Ionic Liquids– β -Cyclodextrin Systems. *ACS Physical Chemistry Au*. 2021 Sep 1.
 5. Roy RP, **Saha T** and Chakraborty R (2018) Contrasting observation in culturable aerobic and micro-aerophilic heterotrophic fish gut-bacteria: Intestine-breathing *Lepidocephalichthys guntea* (Hamilton Buchanan) versus gill breathing *Labeorohita*. *Current Science*. 115(3), 548-552. IF: 1.102, Doi: XXXXX
 6. Sarkar B, Das K, **Saha T**, Prasad E, Gardas RL (2021) Insights into the Formations of Host–Guest Complexes Based on the Benzimidazolium Based Ionic Liquids– β -Cyclodextrin Systems. *ACS Physical Chemistry Au*. 2 (1), 3-15. IF: XXXX, Doi: 10.1021/acspchemau.1c00016
 7. Sen S, **Saha T**, Bhattacharya S, Nidhi, Mondal N, Ghosh W and Chakraborty R (2020) Draft genome sequences of two boron-tolerant, arsenic-resistant, gram-positive bacterial strains, *Lysinibacillus* sp. OL1 and *Enterococcus* sp. OL5, isolated from boron-fortified cauliflower-growing field soils of northern West Bengal, India. *Microbiology Resource Announcements*. 9(2), e01438-19. IF: 0.88, Doi: 10.1128/MRA.01438-19
 8. Ghosh P, Chhetri G, Nandi AK, Sarkar S, **Saha T** and Das S (2019) Creation of thio and selenocyanate derivatives of 4-quinolone via regioselective C–H bond functionalization under ambient conditions. *New Journal of Chemistry*. 43(27):10959-64. IF: 3.591, Doi: 10.1039/C9NJ01922G
 9. **Saha T**, Ranjan VK, Ganguly S, Thakur S, Barman P, Chakraborty B, Ghosh W and Chakraborty R (2019). Taxonomic description and draft genome of *Pradoshiaeiseniae* gen. nov., sp. nov., a spore-forming member of the family bacillaceae, capable of assimilating 3-nitropropionic acid, isolated from the anterior gut of the earthworm *Eisenia fetida* cast. *International Journal of Systematic and Evolutionary Microbiology*. IF: 2.4, Doi: 10.1099/ijsem.0.003304
 10. **Saha T**, Chakraborty B, Das S, Thakur N and Chakraborty R (2018) *Chryseomicrobium excrementi* sp. nov., a Gram-stain-positive rod-shaped bacterium isolated from an earthworm (*Eisenia fetida*) cast. *International Journal of Systematic and Evolutionary Microbiology*. 68(7):2165-2171. IF:2.4, Doi: 10.1099/ijsem.0.002791
 11. Ranjan VK, **Saha T**, Mukherjee S and Chakraborty R (2018) Draft Genome sequence of a novel bacterium, *Pseudomonas* sp. MR02, capable of 2 pyomelanin production, isolated from River Mahananda at Siliguri, West Bengal, India. *Genome Announcements ASM*. 6(3), e01443-17. IF: 0.34, Doi: 10.1128/genomeA .01443-17
 12. Mahata D, Jana M, Jana A, Mukherjee A, Mondal N, **Saha T**, Sen S, Nando GB, Mukhopadhyay CK, Chakraborty R and Mandal SM (2017) Lignin-graft-Polyoxazoline Conjugated Triazole a Novel Anti-Infective Ointment to Control Persistent Inflammation. *Scientific Reports*. 12, 7:46412. IF: 4. 379, Doi: 10.1038/srep46412
8. Books/Reports/Chapters/General articles etc.
1. **TilakSaha**, Manab Deb Adhikary, Bipranch Kumar Tiwary. (2022) Alternatives to Antibiotics: Recent Trends and Future Prospects (Edited). ISBN- 978-981-19-1853-7, Springer (Nature), Singapore. (In press)
 2. Manab Deb Adhikary, Bipranch Kumar Tiwary, **TilakSaha**. (2022) Quest for alternatives to antibiotics- An urgent need of the twenty-first century. In, Alternatives to Antibiotics: Recent Trends and Future Prospects (Edited). ISBN- 978-981-19-1853-7, Springer (Nature), Singapore. (In press)
 3. Rejuan Islam, Anirban Pandey and **TilakSaha** (2022) Phytobiotics and other safer alternatives to antibiotics for animal husbandry. In, Alternatives to Antibiotics: Recent Trends and Future Prospects (Edited) . ISBN- 978-981-19-1853-7, Springer (Nature), Singapore. (In press)
 4. AmlanJyoti Ghosh, Supriyo Ghosh and **TilakSaha**. (2022) Prebiotic Immunomodulators to Enhance Mucosal Immunity and Reduce Mass Use of Antibiotics. In, Alternatives to Antibiotics: Recent Trends and Future Prospects (Edited). ISBN- 978-981-19-1853-7, Springer (Nature), Singapore. (In press)

5. **TilakSaha**, Manab Deb Adhikary, Bipranch Kumar Tiwary. (2022) *Alternatives Recent Trends and the Future of Antimicrobial Agents* (Edited). ISBN- BMS-RTFA-2021-HT1-3679-1, Bentham Science, UAE. (In press)
6. Rejuan Islam, **TilakSaha**. (2022) Probiotics as potential remedy for restoration of gut microbiome and mitigation of Polycystic Ovarian Syndrome. In, *Alternatives Recent Trends and the Future of Antimicrobial Agents* (Edited). ISBN- BMS-RTFA-2021-HT1-3679-1, Bentham Science, UAE. (In press)
7. **TilakSaha**, Bipranch Kumar Tiwary. (2020) *Microbes, Environment and Human Welfare* (Edited) . ISBN- 978-1-53617-945-3, Nova Science Publisher, USA.
8. AmlanJyoti Ghosh and **TilakSaha**. (2020) *Microbes, inflammation and type-2 diabetes mellitus in human- an intricate relationship*, Nova Science Publisher, NY, USA, ISBN: 978-1-53617-945-3.
9. **TilakSaha**. (2020). *Soil microbiome to sustainable agriculture-role of soil fauna*, Nova Science Publisher, NY, USA, ISBN: 978-1-53617-945-3.