

Curriculum Vitae

Name	Dr. Nabanita Mukherjee	
Designation	Assistant Professor	
Department	Department of Zoology	
Institution	Jangipur College	
Mobile	9830432997	
Email	nmukherjeejc@gmail.com	
Academic Qualification		
Examination	College/University	Year of Passing
B.Sc.	University of Calcutta	2006
M.Sc.	University of Calcutta	2008
Ph.D.	University of Calcutta	2024
Teaching Experience		
Organization / Institution	Designation	Duration
Panihati Mahavidyalaya	Contractual Whole Time Teacher	August 2009 – October 2019
Area of Specialization:		
Genetics, Immunology, Microbiology, Nanoscience and Nanotechnology, Transcriptomics, Microgravity (Bacterial growth).		
Publications (Top Ten):		
1. Nabanita Mukherjee, Sutanuka Mitra, Moumita Sil, Arup Mukherjee, Arunava Goswami, Volker Hessel (2023). Growth response of Bacillus coagulans on TiO ₂ nanoparticles by RNA-Seq analysis of the customary probiotic strain, Process Biochemistry , ELSEVIER , Volume 131, Pages 226-234, ISSN 1359-5113, https://doi.org/10.1016/j.procbio.2023.06.024 . (SCOPUS)		
2. Mukherjee, N., Mitra, S., Adak, S., Chakraborty, S; Sau, A; Goswami, A. (2020). Evaluation of the growth response of spore forming lactic acid Bacillus–Bacillus coagulans in presence of oxide nanoparticles. Applied Nanoscience , SPRINGER , 10, 4075–4086, https://doi.org/10.1007/s13204-020-01512-w . (SCOPUS)		
3. Moumita Sil, Dyuti Mitra, Nabanita Mukherjee, Maulesh Gadani, Abhijit Chatterjee, Payal Sharma, Arunava Goswami (2024). Therapeutic Role of Probiotics in Gut-Brain Axis Under Microgravity, Indian Journal of Microbiology , SPRINGER , V 64 – I 1, Pages – 1 - 10. Doi: https://doi.org/10.1007/s12088-024-01314-6 . (SCOPUS)		
4. Anamitra Goswami, Moumita Sil, Prashant Ratnaparkhi, Arunava Goswami, Nabanita Mukherjee, Igor Polikarpov, Design and Development of Robust and Precision Personalized Medicine, Current Science , Bangalore (Accepted). (SCOPUS)		
5. Sarkar, S., Sadhu, S., Roy, R., Tarafdar, S., Mukherjee, N., Sil, M., Goswami, A., & Madhu, N. R. (2023). Contemporary drifts in diabetes management. International Journal of Applied Pharmaceutics , 15(2), 1–9. https://doi.org/10.22159/ijap.2023v15i2.46792 . (SCOPUS)		

6. Mukherjee. N., Sil, M., Adak, S., Mukherjee. A., Goswami. A (2022). The biosafety study of SiO₂ nanoparticle on lactic acid bacillus- an approach towards safety of human gut immunity. JMPAS 11(3), 4939-4946. doi: 10.55522/jmpas.V11I3.3763. (SCOPUS)
7. Nabanita Mukherjee, Moumita Sil, Arunava Goswami, Arup Mukherjee (2022). Bactericidal activity of lactic acid Bacillus in presence of oxide nanoparticles. Journal of Medical Pharmaceutical and allied Science V 11 - I 4, Pages - 5015 – 5020. Doi: 10.55522/jmpas.V11I4.3907. (SCOPUS)
8. Anamitra Goswami, Moumita Sil, Nabanita Mukherjee Arunava Goswami, Prashant Ratnaparkhi (2023). Aspirin in a new role in human body. Journal of medical pharmaceutical and allied sciences, V 12 - I 6, Pages- 6281 – 6284. Doi: <https://doi.org/10.55522/jmpas.V12I6.5834>. (SCOPUS)
9. Anamitra Goswami, Nabanita Mukherjee, Moumita Sil, Arunava Goswami, Prashant Ratnaparkhi (2023). PCR- A Paradigm Shift with A Robust Quantum Jump. Journal of medical pharmaceutical and allied sciences, V 12 - I 5, Pages - 6138 – 6141. Doi: <https://doi.org/10.55522/jmpas.V12I5.5828>. (SCOPUS)
10. Ghosh, Payel & Mukherjee, Nabanita & Ghosh, Krishnendu & Mallick, Suvadip & Pal, Chiranjib & Laskar, Aparna & Ghosh, Anirban. (2015). Prospective microglia and brain macrophage distribution pattern in normal rat brain shows age sensitive dispersal and stabilization with development. Indian journal of experimental biology. 53. 561-567. (SCOPUS)

Paper Presented/Attended/Resource Person in Seminar/Conference/Workshops/FDP's (Top Ten):

1. Mukherjee, N., Mukherjee, A., Goswami A. The stress management of human gut bacteria in presence of TiO₂anatase nanoparticles. Green Meet-2022 (Green Management of the Environment using Eco-friendly Technology-2022), International Seminar, Organized by: Department of Ecological Studies and ICEE & Department of Food and Nutrition, Kalyani University, West Bengal, India in collaboration with IQAC & WSLSC. 6th June, 2022.
2. Mukherjee, N., Mukherjee, A., Goswami A. Growth response of spore forming lactic acid bacillus in presence of SiO₂ nanoparticle. Two-day National Conference on Sustainable health science for future generations, Organized by: Department of Physiology, Kalyani University, West Bengal, India. 28th-29th April, 2022.
3. Mukherjee, N., Mukherjee, A., Goswami A. The stress management of human gut bacteria in presence of Zinc Oxide nanoparticles. International virtual conference on Recent trends in Animal sciences under the theme of nanobiology. Organized by: Ecophysiology Thrust Area, Centre of Advanced Study, Department of Zoology, Institute of Science, Banaras Hindu University, Varanasi - 221005, India. 25th- 27th March, 2022.
4. Mukherjee, N., Goswami A. A comparative study of the effect of TiO₂ nanoparticle on Bacillus coagulans both in light and dark condition- An approach towards safety on body's immunity. UGC sponsored conference on Climate change and its effect on environment, food and society jointly organized by Savitribai Phule Pune University, Pune and Department of B.Voc & Biological Sciences, Mula education society's Arts, Commerce and Science college, Sonai. 15th- 16th June, 2021.
5. 13th Indo-US Workshop on "Applications of Flow Cytometry" held on 14th-

17th October, 2012 at Centre for Research in Nanoscience & Nanotechnology (CRNN), University of Calcutta.

6. Symposium on “Application of Flow Cytometry in Redox Biology”, 27th-29th April, 2013, organized by Institute of Post Graduate Medical Education and Research, Government of West Bengal.
7. Work shop on “Application of Flow Cytometry in Redox Biology”, 27th-29th April, 2013, organized by Institute of Post Graduate Medical Education and Research, Government of West Bengal.
8. Annual Symposium 2013, Indian Academy of Neurosciences (IAN), Kolkata Chapter Calcutta School of Tropical Medicine held on 6th September, 2013.
9. Conference on “5th India Biodiversity Meet 2018 (International Conference)”, held at Indian Statistical Institute, Kolkata.
10. UGC Sponsored National Level Seminar on “Cutting Edge Technologies & Frontier Areas of Research in Zoology” held on 7th September, 2013 at Ramkrishna Mission Vivekananda Centenary College, Rahara organized by department of Zoology, Ramkrishna Mission Vivekananda Centenary College, Rahara in collaboration with department of Zoology, Panihati Mahavidyalaya, Kolkata-700110.

Other details (if any):

AWARDS

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