KAZI NAZRUL UNIVERSITY
ASANSOL

Faculty Profile

1. Name (Block Letter): DR. SUPRABHAT MUKHERJEE

2. Department: Animal Science

3. Current Designation: Assistant Professor

4. Address for Communication (Present): Department of Animal Science, Kazi Nazrul University, Asansol- 713 304

5. Address for Communication (Permanent): Rasulpur Bazar South, Rasulpur-713151, Purba Burdwan

6. Contact Number: +918240886813/+919614813868

7. Contact Mail (Personal and Institutional): babaimbc@gmail.com (Personal); (Institutional)

8. Research Degree:

Degree	Name of the University	Date of Award
Ph.D.	Visva-Bharati (A Central University)	2017
M.Sc	University of Burdwan	2009
B.Sc	University of Burdwan	2007

9. Published Papers in Journals:

Sl. No	Name of Article	Journal with page no	ISSN/ISBN No	Referred/Non-Referred	No of Co-author	Whether you are the main author	Date of Publication
1.	Polyphenol enriched ethanolic extract of *Cajanus scarabaeoides*	Plos One	1932-6203	Referred	5	Joint First author	15/11/2018

	(L.) Thouars exerts potential antifilarial activity by inducing oxidative stress and programmed cell death						
2.	Exploring the homolog of a novel proinflammatory microfilarial sheath protein (MfP) of *Wuchereria bancrofti* in adult stage bovine filarial parasite *Setaria cervi*	*Journal of Helmintholog y*	0022-149X	Referred	3	First author	14/11/2018
3.	Gut microbes as future therapeutics in treating inflammatory and infectious diseases: lessons from recent findings.	*The Journal of Nutritional Biochemistry*	0955-2863	Referred	4	First author	16/08/2018
4.	Quinolone-fused cyclic sulfonamide as a novel benign antifilarial agent.	*Scientific Reports*	2045-2322	Referred	7	First author	13/8/2018
5.	Chitosan biopolymer functionalized gold nanoparticles with controlled cytotoxicity and improved	*Advanced Composites and Hybrid Materials.*	2522-0128	Referred	8	Co-author	31/5/2018

	antifilarial efficacy.						
6.	Thioredoxin reductase from the bovine filarial parasite *Setaria cervi*: Studies on its localization and optimization of the extraction.	*International Journal of Biological Macromolecules*	0141-8130	Referred	3	Joint first author	2/1/2018
7.	Polyphenol Oxidase based luminescent enzyme hydrogel: An efficient redox active immobilized scaffold.	*Bulletin of Materials Science*	0973-7669	Referred	6	Co-author	1/2/2018
8.	A novel ligand of toll-like receptor 4 from the sheath of *Wuchereria bancrofti* microfilaria induces proinflammatory response in macrophages.	*Journal of Infectious Diseases*.	0022-1899	Referred	5	First author	15/3/2017
9.	Design and synthesis of reduced graphene oxide based supramolecular scaffold: A benign microbial resistant network for enzyme immobilizatio	*Materials Science & Engineering C: Materials for Biological Applications.*	0928-4931	Referred	5	Co-author	1/6/2017

	n and cell growth.						
10.	Surface proteins of *Setaria cervi* induce inflammation in macrophage through Toll-like Receptor 4 (TLR4)-mediated signaling pathway.	*Parasite Immunology*.	1365-3024	Referred	4	First author	1/1/2017
11.	Studying the biological activities and molecular docking of some novel Benzosultams and Benzosultones.	*Current Bioactive Compounds*.	1573-4072	Referred	6	Co-author	12/1/2017
12.	Metabolic inhibitors as antiparasitic drugs: pharmacological, biochemical and molecular perspectives.	*Current Drug Metabolism*	1389-2002	Referred	5	First author	1/12/2016
13.	An approach towards optimization of the influential growth determinants of opportunistic yeast isolate *Pichia guilliermondii*.	*Preparative Biochemistry and Biotechnology*	1082-6068	Referred	5	First author	3/7/2016
14.	TLR2 and TLR4 mediated host	*Brazilian Journal of*	1413-8670	Referred	3	First author	3/7/2016

	immune responses in major infectious diseases: A review.	*Infectious Diseases*					
15.	Green-silver nanoparticles for drug transportation, bioactivities and a bacterium, *Bacillus subtilis*, mediated comparative nano-patterning feature.	*RSC Advances*	2046-2069	Referred	8	Co-author	26/4/2016
16.	Optimization of growth determinants of a potent cellulolytic bacterium isolated from lignocellulosic biomass for enhancing biogas production.	*Clean Technologies and Environmental Policy.*	1618-954X	Referred	6	Joint first author	6/1/2016
17.	Phenolics and Terpenoids; the Promising New Search for Anthelmintics: A Critical Review.	*Mini Reviews in Medicinal Chemistry.*	1875-5607	Referred	5	Co-author	11/1/2016
18.	A supramolecular hydrogel for generation of a benign DNA-hydrogel.	*RSC Advances*	2046-2069	Referred	8	Co-author	25/11/2015
19.	Ginger extract ameliorates phosphamido	*Indian Journal of*	0975-1009	Referred	5	First author	1/9/2015

	n induced hepatotoxicity.	*Experimental Biology*					
20.	*Diospyros perigrena* bark extract induced apoptosis in filarial parasite *Setaria cervi* through generation of reactive oxygen species.	*Pharmaceutical Biology*	1388-0209	Referred	8	Co-author	3/6/2015
21.	Isolation and characterization of arsenic resistant bacteria from contaminated water-bodies in West Bengal, India.	*Geomicrobiology Journal*	1521-0529	Referred	7	Co-author	1/2/2015
22.	Design and green synthesis of polymer inspired nanoparticles for the evaluation of their antimicrobial and antifilarial efficiency.	*RSC Advances.*	2046-2069	Referred	5	Co-author	24/4/2014
23.	Ethanolic extract of *Azadirachta indica* (A. Juss.) causing apoptosis by ROS upregulation in *Dirofilaria immitis* microfilaria.	*Research in Veterinary Science.*	0034-5288	Referred	6	Co-author	10/1/2014

24.	Antifilarial effect of ursolic acid from *Nyctanthes arbortristis*: molecular and biochemical evidences.	*Parasitology International*	1383-5769	Referred	8	Co-author	10/1/2014
25.	Molecular evidence on the occurrence of co-infection with *Pichia guilliermondii* and *Wuchereria bancrofti* in two filarial endemic districts of India.	*Infectious diseases of Poverty*	2049-9957	Referred	6	First author	13/4/2014
26.	Antifilarial effects of polyphenol rich ethanolic extract from the leaves of *Azadirachta indica* through molecular and biochemical approaches describing reactive oxygen species (ROS) mediated apoptosis of *Setaria cervi*.	*Experimental Parasitology*.	0014-4894	Referred	5	Joint first author	1/1/2014
27.	An approach towards optimization of the extraction of polyphenolic antioxidants from ginger	*Journal of Food Science and Technology*.	0022-1155	Referred	4	First-author	11/1/2014

	(*Zingiber officinale*).						
28.	*In vitro* antifilarial activity of *Azadirachta indica* aqueous extract through ROS enhancement.	*Asian Pacific Journal of Tropical Medicine*	1995-7645	Referred	5	Co-author	1/1/2014
29.	Optimization of physicochemical parameters for phenol biodegradation by *C. tropicalis* PHB5 using Taguchi methodology.	*Desalination and Water Treatment.*	1944-3986	Referred	4	Co-author	1/10/2013
30.	Potential use of polyphenol oxidases (PPO) in the bioremediation of phenolic contaminants containing industrial wastewater.	*Reviews in Environmental Science and Bio/Technology*	1569-1705	Referred	5	First author	1/3/2013
31.	An improved method of optimizing the extraction of polyphenol oxidase from potato (*Solanum tuberosum* L.) Peel.	*Notulae Scientia Biologicae.*	2067-3205	Referred	6	First author	22/2/2012
32.	Stem cells in tissue engineering-an interface between biology and engineering.	*International Journal of Biological Sciences and Engineering,*		Referred	4	First author	03/03/2011

33.	Synthesis of hydroxyapatite biomaterial from different biosources for tissue engineering.	*International Journal of Biological Sciences and Engineering*		Referred	4	Co-author	03/03/2011

10. Articles/Chapters Published in Edited Volume:

Sl. No	Name of Article/chapter	Name of Edited Volume, Editor and Publisher	ISBN No	No of Co-author	Whether you are the main author	Date of Publication
1	Neurofilariasis.	Neurology in Tropics. Second Edition.	978-81-312-4232-2	2	Yes	2015
2	Current trends in targeted chemo- and immunotherapy against bancroftian filariasis: biochemical, molecular and pharmacological perspectives.	Advances in Medico-Veterinary Parasitology: An Indian Perspective.	978-81-86535-80-6	3	Yes	2018

11. Full Papers in Conference Proceedings: **NIL**

12. Published Books or Edited Volume: **NIL**

13. Papers Presented in Conferences/Seminars/Workshops/ Symposia:

Sl. No	Title of the Paper Presented	Title of the Conference/Seminar/Symposia	Organising Authority	Whether International/National/State/Regional/University/College Level	Date of presenting the Paper
1.	Quinolone-fused cyclic sulfonamide as a novel benign antifilarial agent.	International Congress of Parasitology.	Korean Society of Parasitology	International (South Korea)	24/08/2018

2.	A novel putative ligand of Toll like receptor 4 from *Wuchereria bancrofti* induces classical macrophage activation.	International Seminar on Exploring the modern approach in Biological Science: From Genome to organism.	Department of Zoology, Sidho-Kanho-Birsa University, Purulia	International (India)	25/11/ 2015
3.	A novel ligand for TLR4 mediated signaling in filarial nematode.	International Conference on Molecular Signaling	Department of Zoology, North-Eastern Hill University, Shillong, Meghalaya, India	International (India)	22/11/ 2015
4.	A novel ligand for TLR4 mediated signaling on a worm.	National Symposium on Comparative Endocrinology and Reproductive Biology	Department of Zoology, Visva-Bharati University, Santiniketan, India	National	01/09/ 2015
5.	*Setaria cervi*, a bovine filarial parasite activates macrophage through Toll like Receptor4 (TLR4) mediated signaling pathway: *In vitro* and *in vivo* approaches.	6th ASEAN Congress of Tropical Medicine Parasitology (ACTMP)	Malaysian Society of Parasitology and Tropical Medicine, Kuala Lumpur, Malaysia	International (Malaysia)	06/03/ 2014
6.	3D structure modelling and *in silico* characterisation of human double- stranded RNA adenosine deaminase".	Acharya P C Ray National Young Scientists' Conference,	Presidency University and Calcutta University	National	17/02/ 2018

14. Organising Seminar/Conference/Symposia: **NIL**

15. Invited Lectures/Chairing the Session or Presentation for Conferences/Seminar/Symposia etc:

Sl. No	Title of the Lecture/Academic Session	Title of the Conference/ Seminar	Organizing Authority	Whether International/National/State/Regional/University/College Level	Date of Conference/Seminar/Symposia
1.	Central Dogma: mystery behind the molecular design of life	Special Lecture	Principal, Gour College	College Level	08/05/2018

16. Ongoing Projects/Consultancies: **NIL**

17. Completed Projects/Consultancies: **NIL**

18. Received Research Fellowship/ Awards:

Sl. No	Title	Funding Authority	Period	Grant/Amount Mobilized (Rs..)
1.	Dr. D.S. Kothari Postdoctoral Fellowship	UGC, Govt. of India	2017-2018	52,500/- per month
2.	International Travel Grant	ICMR, Govt. of India	2018	1,46,000/-
3.	EMBO Visiting fellowship	European Molecular Biology Organization	2017	5, 50,000/-
4.	Travel Grant	ICMR, Govt. of India	2014	73,000/-
5.	UGC-BSR Research Fellowship	UGC, Govt. of India	2012-2016	24,800 per months

19. Academic Staff College Organised Orientation/ Refresher Courses Attended: **NIL**

20. Training Courses, Teaching-Learning-Evaluation Technology Programmes, Faculty Development Programme: **NIL**

21. Research Guidance: **NIL**

22. Any other Information:

Reviewer of International Journals (Issues in Biological Sciences and Pharmaceutical Research, Environment, Development and Sustainability (Springer), Journal of Research in Environmental Science and Toxicology, Geomicrobiology Journal (Taylor & Francis), Preparative Biochemistry and Biotechnology (Taylor & Francis), 3Biotech Journal (Springer), Agricultural Research Journal, Environmental Pollution (Elsevier), Separation and Purification Technology (Elsevier)) and Editorial board member (Aperito Journal of Infectious Diseases and Vaccines; Bio-Protocol Journal).

Google scholar ID: https://scholar.google.co.in/citations?user=e28tNpoAAAAJ&hl=en

ResearchGate link: https://www.researchgate.net/profile/Suprabhat_Mukherjee

Orcid ID: https://orcid.org/0000-0002-5709-9190

Personal webpage: https://babaimbc.wixsite.com/suprabhat-mukherjee