

CURRICULUM VITAE

Personal Information		
First Name:	Antara	 Photo
Last Name:	Banerjee	
Professional Title/Position:	Assistant Professor	
Highest Degree:	PhD	
Affiliation: (Please don't use any acronyms)	Department/Division:	Zoology
	University/Institute:	Bangabasi College (Affiliated to University of Calcutta)
	City:	Kolkata, West Bengal
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Educational Qualifications : M.Sc. PhD		
Professional Experience: - Assistant Professor in UG-PG Department of Zoology at Bangabasi College Kolkata from 4th May 2010 till date - Visiting Scientist in CBER, US Food and Drug Administration, 10903 New Hampshire Avenue Silver Spring, MD 20993, USA from 4.12.2014 to 25.11.2015 with UGC-Raman Post Doctoral Fellowship. - DBT-Research Associate at Indian Institute of Chemical Biology since Feb, 2008 to 3rd May 2010. - Contractual Lecturer in Zoology at Bangabasi College, Kolkata, from Feb, 2007 to Dec 2007. - Junior Research Fellow followed by Senior Research Fellow at Indian Institute of Chemical Biology, Kolkata, under CSIR-NET fellowship from January, 2002 to January, 2007. - Junior Research Fellow at Bose Institute, Kolkata, under NTRF Project from July, 2001 to December, 2001.		

Academic Achievements / Publications:

1. Arijit Kumar Ghosh, Aanchal Verma, Debabrata Majumder, Debasish Maiti, Tathagata Choudhuri, Antara Banerjee and Samiran Saha. Theaflavins Induce Autophagy in Ehrlich's Ascites Carcinoma Cells both *In vivo* and *In vitro*. Current Bioactive compounds, 2024
2. Nilanjana Majumder, Antara Banerjee, Samiran Saha. A review on new natural and synthetic anti-leishmanial chemotherapeutic agents and current perspective of treatment approaches. Acta Tropica 2023
3. Roy Chattopadhyay N, Chatterjee K, Banerjee A, Choudhuri T Combinatorial therapeutic trial plans for COVID-19 treatment armed up with antiviral, antiparasitic, cell-entry inhibitor, and immune-boosters. *Virusdisease*. 2020 31(4):479-489.
4. Nilanjana Majumder, Subhrajit Ganguly, Arijit Kumar Ghosh, Shreetoma Kundu, Antara Banerjee, Samiran Saha. Chlorogenic acid acts upon *Leishmania donovani* arresting cell cycle and modulating cytokines and nitric oxide in vitro. 2020. *Parasite Immunol*. 2020 42(6):e12719. doi: 10.1111/pim.12719.
5. Banerjee A, Bhattacharya P, Dagur PK, Karmakar Subir, Ismail N, Joshi AB., Akue AD, KuKuruga M, McCoy Jr JP, 6 Dey R, and Nakhasi HL. Live attenuated *Leishmania donovani* Centrin gene deleted parasites induce 2 Interleukin-23 dependent IL-17 protective immune response against visceral 3 leishmaniasis in a murine model. *J Immunol*. 2018 200(1):163-176. doi: .4049/jimmunol.1700674. Epub 2017
6. Banerjee A, Bhattacharya P, Joshi AB, Ismail N, Dey R, Nakhasi HL. Role of pro-inflammatory cytokine IL-17 in *Leishmania* pathogenesis and in protective immunity by *Leishmania* vaccines. *Cell Immunol*. 2016 Jul 11. pii: S0008-8749(16)30053-3 Impact factor 2.39, ISSN 0008-8749.
7. Banerjee A, Chakraborty S, Chakraborty A, Chakrabarti S, Ray K. Functional and Structural Analyses of CYP1B1 Variants Linked to Congenital and Adult-Onset Glaucoma to Investigate the Molecular Basis of These Diseases. *PLoS One*. 2016 May 31;11(5):e0156252. Impact factor 3.54 ISSN No. 1932-6203.
8. Asad M, Bhattacharya P, Banerjee A, Ali N. Therapeutic and immunomodulatory activities of short-course treatment of murine visceral leishmaniasis with KALSOME™10, a new liposomal amphotericin B. *BMC Infect Dis*. 2015 Apr 17;15:188. doi: 10.1186/s12879-015-0928-6. ISSN- 14712334, Impact factor 2.61
9. Saha S*, Banerjee A*, Verma A, Jha CK. Oral Treatment with Aqueous Solution of *Coffea canephora* Induce Protective Immune Response to Reduce Parasite Burden in Experimental Visceral Leishmaniasis. *American Journal of Phytomedicine and Clinical Therapeutics*. (ISSN: 2321-2748) 2014. 2(2):242-251. Impact Factor 0.569.
10. Banerjee D, Banerjee A, Mookherjee S, Vishal M, Mukhopadhyay A, Sen A, , Basu A, Ray K. Mitochondrial genome analysis of primary open angle glaucoma patients. *PLoS One* 2013. 5;8(8):e70760

11. Zarqua Zamal, **Antara Banerjee**. Biomedical use of stem cells in the cure of neurodegenerative diseases. Bangabasi Academic Journal (ISSN 2249-0655), 2011-12, 9(26-31).
12. **Banerjee A**, De M, Ali N. Combination therapy with paromomycin associated stearylamine-bearing liposomes cures experimental visceral leishmaniasis through Th1-biased immunomodulation. *Antimicrob Agents Chemother*. 2011. 55(4):1661-1670. Impact factor: 4.8, ISSN 0066-4804.
13. Mookherjee S, Banerjee D, Chakraborty S, **Banerjee A**, Mukhopadhyay I, Sen A, Ray K. Association of IL1A and IL1B loci with primary open angle glaucoma. *BMC Med Genet*. 2010. 11:99. Impact factor: 2.84.
14. **Banerjee A**, De M, Ali N. Complete cure of experimental visceral leishmaniasis with amphotericin B in stearylamine-bearing cationic liposomes involves down-regulation of IL-10 and favorable T cell responses., *J Immunol*. 2008. 1:1386-98. Impact factor: 6.07, ISSN 0022-1767.
15. Bhattacharjee A, Banerjee D, Mookherjee S, Acharya M, **Banerjee A**, Ray A, Sen A, Variation Consortium TI, Ray K. Leu432Val polymorphism in CYP1B1 as a susceptible factor towards predisposition to primary open-angle glaucoma. *Mol Vis*. 2008. 14:841-50. Impact factor: 2.54, ISSN 1090-0535
16. **Banerjee A**, Roychoudhury J, Ali N. Stearylamine-bearing cationic liposomes kill Leishmania parasites through surface exposed negatively charged phosphatidylserine. *J Antimicrob Chemother*. 2008. 61:103-10. Impact factor: 4.35 ISSN 03057453
17. Mazumder S, Ravindran R, **Banerjee A**, Ali N. Non-coding pDNA bearing immunostimulatory sequences co-entrapped with leishmanial antigens in cationic liposomes elicits almost complete protection against experimental visceral leishmaniasis in BALB/c mice. *Vaccine*. 2007. 25:8771-81. Impact factor: 3.61 ISSN 0264410X
18. Saha S, Mondal S, **Banerjee A**, Ghose J, Bhowmick S and Ali N. 2006 Immune responses in Kala azar. *Indian J Med Res*. 123:245-266. Impact factor: 1.52 ISSN 09715916

Patent Granted:

1. Ali, N., and Banerjee, A. "Antileishmanial activity of amphotericin B entrapped in cationic liposomal formulation". Application No: 0670/DEL/2007; Filing Date 28/03/2007; Comp. Filing date 28/03/2007; Grant Date 22/01/2015; Patent Number 264798.
2. Ali, N., and Banerjee, A. "Antileishmanial activity of paramomycin entrapped in cationic liposomal formulations." Application No: 1180/DEL/2007; Filing Date 01/06/2007.