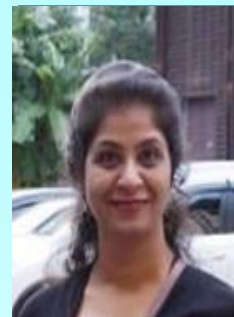


CURRICULUM VITAE



Name : **DR.MADHUCHANDA BANERJEE**
Designation : **Assistant Professor**
Department of Zoology
Midnapore College (Autonomous)
Midnapore- 721101, W.B

Education Qualification : **M.Sc., Ph.D**
Permanent Address : **Flat no.A2, BA-22, Newtown, Kolkata**
Contact Number : **+918336806421**
Email Id : **madhuchanda.banerjee@gmail.com**
Date of Joining : **13/01/2015**

➤ Area of Teaching:

- i) Nanotechnology
- ii) Applied biology&Biotechniques
- iii) Environmental biology& Toxicology
- iv) Biochemistry

➤ List of research papers published in National/ International journals:

- i) N K. Mondal , S Siddique, M Banerjee,S RoychoudhuryS, Mukherjee, M S. Slaughter, T Lahiri,M R. Ray. Alteration in Leukocyte Subsets and Expressions of FcyR and Complement Receptors among Female Ragpickers in Eastern India. Safety and Health at Work (Int.)
- ii) N K. Mondal , S Siddique, M Banerjee,S RoychoudhuryS, Mukherjee, M S. Slaughter, T Lahiri,M R. Ray. Increased risk of cardiovascular disease in premenopausal female ragpickers of Eastern India: involvement of inflammation, oxidative stress, and platelet hyperactivity. Mol.cell. BioChem.2016
- iii) N Kalita, M Banerjee, M C Kalita. Reactive oxygen species generation in the antibacterial activity of *litseasalicifolia* leaf extract. Int. J. of Pharm. and Pharma. Sc.(Int.).2016
- iv) J Ghosh, R Ghosh, K Samanta, K Bera, K Dingal S Bera, M Banerjee, S Ghosh. Animal Poaching: An environmental Leprosy. Env. Awareness: An introspection Proc of Conf. on.2016

- v) S Mukherjee, S Siddique, S Chakraborty, P Bhattacharya, M Banerjee, T Lahiri, M R Ray. Adverse reproductive health outcomes in pre-menopausal Indian women chronically exposed to biomass smoke. J. of Public Health(Int.).2015
- vi) M Banerjee, B Dey, J Talukdar, M CKalita. Production of Biodiesel from Sunflower Oil Using Highly Catalytic Bimetallic Gold-Silver Core-Shell Nanoparticle. Energy(Int.).2014
- vii) S Mukherjee, S Roychoudhury, S Siddique, M Banerjee, PBhattacharya, TLahiri, M R Ray. Respiratory symptoms, lung function decrement and chronic obstructive pulmonary disease in pre-menopausal Indian women exposed to biomass smoke. InhalToxicol(Int.).2014
- viii) Banerjee M, Ghosh SS. Bimetallic gold-silver core-shell nanoparticle exhibiting high bactericidal properties. Proc. Of ICYRAM, Singapore.2012
- ix) M Banerjee, S Siddique, A Dutta, B Mukherjee, M R Ray. Indoor air pollution due to cooking with biomass is associated with depletion of platelet serotonin and depression among premenopausal women in rural India. Social Science and Medicine(Int.)
- x) Mallick S, Sharma S, Banerjee M, Ghosh S S, Chattopadhyay A, Paul A. Iodine - Stabilized Cu Nanoparticle Chitosan Composite for Antibacterial applications. Advanced materials and interface (Int.).
- xi) Banerjee M, Siddique S, Mukherjee S, Roychoudhury S, Das P, Ray MR, Lahiri T. Hematological, immunological, and cardiovascular changes in individuals residing in a polluted city of India: A study in Delhi. Int. J of Hygiene and Environmental Health(Int.). 2012
- xii) Banerjee M, Siddique S, Mukherjee S, Das P, Roychoudhury S, Das P, Ray MR, Lahiri T. Study on ambient air quality, respiratory symptoms and lung function of children in Delhi. Environ. Health Man. Series (CPCB, Govt. of India). 2012
- xiii) Banerjee M, Sharma S, Chattopadhyay A, Ghosh S S. Enhanced Antibacterial Properties of Bimetallic Gold-Silver Core-Shell Nanoparticles. Nanoscale(Int.).2011
- xiv) Siddique S, Roychoudhury S, Banerjee M, Trivedi RC, Ray MR, Lahiri T. Attention-deficit hyperactivity disorder (ADHD) in children chronically

- exposed to high level of vehicular pollution in Delhi, India. Eur. J of Paediatrics(Int.).2011
- xv) Banerjee M, Mallick S, Paul A, Chattopadhyay A, Ghosh S S. Heightened Reactive Oxygen Species Generation in the antimicrobial activity of a three component iodinated chitosan – Ag nanoparticle composite. Langmuir(Int.).2010
- xvi) Siddique S, Banerjee M, Ray M R, Lahiri T. Air Pollution and its Impact on Lung Function of Children in Delhi, the Capital City of India. Water Air Soil Pollut(Int.).2010
- xvii) Siddique S, Banerjee M, Ray M R, Lahiri T. Effect of Air Pollution on Incidence of Asthma: A Case Study in Children. Environ. We Int. J. Sci. Tech.(Int.).2010
- xviii) Ray MR, Roychoudhury S, Mukherjee S, Siddique S, Banerjee M, Akolkar AB, Sengupta B, Lahiri T. airway inflammation and upregulation of b2 mac-1 integrin expression on circulating leukocytes of female ragpickers in india. J of Occupational Health(Int.).2009
- xix) Lahiri T, Chowdhury S, Roychoudhury S, Siddique S, Banerjee M, Mukherjee S, Chakraborty S, Mondal N K, Ray M R. Health Effects Of Chronic Exposure To Smoke From Biomass Fuel Burning In Rural Areas. WHO (India).2007
- xx) Ray MR, Mukherjee S, Roychoudhury S, S, Chakraborty S, Lahiri T,. Platelet activation, upregulation of CD11b/ CD18 expression on leukocytes and increase in circulating leukocyte-platelet aggregates in Indian women chronically exposed to biomass smoke. Human & Exp. Toxicol.(Int.). 2006
- xxi) Banerjee M, Jal P K, Sudarshan M, Jana N K, Chakraborty A,. A comparative study towards correlation between elemental profile and carcinogenic development. Proc. of The Int. Sem. on Frontiers of Basic and Appl. Mol. Biol.2005
- xxii) Ray MR, Roychoudhury S, Mukherjee S, Siddique S, Banerjee M, Akolkar AB, Sengupta B, Lahiri T. Epidemiological study on effect of air pollution on human health (adults) in Delhi. Environ. Health Man. Series (CPCB, Govt. of India).2008

i) Banerjee, M. Cancer: Mechanism and Therapy.2017

➤ **List of papers/ posters presented:**

- i) Poster presentation on “Iodine enhanced antimicrobial activity of silver nanoparticle chitosan composite” at International Conference on Advanced Nanomaterials and Nanotechnology, Guwahati, India held at IIT Guwahati, Guwahati, India (2009).
- ii) Oral presentation on “Respiratory and hematological alterations associated with vehicular pollution exposure : a study on automobile drivers and office workers of Delhi”, at 93rd Session of the Indian Science Congress Association held at Acharya N.G.Ranga Agricultural University, Hyderabad, India (2006).

➤ **Extracurricular Activities:**

- i) Reviewer for various journals such as Bioresource Technology (Elsevier Pub Com), Energy conversion and Management (Elsevier Pub.Com.)

➤ **Awards:**

- i) Awarded best Poster for presentation on “Antimicrobial Iodine doped Ag nanoparticle–Chitosan composite” at 12th CRSI National Symposium in Chemistry held at ICT Hyderabad, India (2010).
- ii) Awarded international travel grant from DBT for presenting paper at International Conference of Young Researchers on Advanced Materials (ICYRAM) held at Singapore in July, 2012.
- iii) Awarded D.S.Kothari Postdoctoral Fellowship from UGC, 2012.
- iv) Awarded best Poster for presentation on “Antimicrobial Iodine doped Ag nanoparticle –Chitosan composite” at 12th CRSI National Symposium in Chemistry held at ICT Hyderabad, India (2010).
- v) Awarded National Scholarship by Government of India for AISSE.