



Curriculum Vitae

Name: Dr. MADHUBANTI BEPARI

- **Address for Correspondence:** B-2, Sinha Compound, Keranitola, Midnapore, Paschim Medinipur, West Bengal, India
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1. **Present position:** Assistant professor
Department of Physiology
Midnapore College (Autonomous)
Midnapore - 721101
West Bengal, India

❖ **Date of Joining:** 23.07.2019

2. **Academic Qualifications:** M.Sc.(1st Class) in Human Physiology,2010,
B.Ed., Ph.D

3. Additional Qualification:

Computer Applications

Known Areas

- **Operating Systems:** MS-DOS and Windows.
- **DTP and Presentation Packages:** MS-Office, Adobe Photoshop etc.
- Diploma in Information Technology Application (DITA)

4. Professional experience:

- **Project Fellow in UGC Major Project (2012-2015):** Title: Assessment of the toxic effects of synthetic pyrethroid Cypermethrin on biochemical, hormonal and oxidative stress parameters of reproductive system and its alleviation through supplementation of zinc and α - lipoic acid in animal.

- **Ph.D. 2012-2018**, Title of Thesis: “**Anticancer and antimicrobial efficacy of green synthesized nanoparticles from *Anacardium occidentale* leaf: A molecular approach**”.

5. Research Publication:

INTERNATIONAL:

- **Bepari M**, Pradhan A, Maity P, Maiti Choudhury S. *In vitro* and *in vivo* anti-inflammatory potential of silver nanoparticles synthesized from *Anacardium occidentale* leaf extract. *World journal of pharmacy and pharmaceutical sciences*, 2018; 7(2):1297-1309.
- **Bepari M**, Maity P, Pradhan A, Dey S.K, Maiti Choudhury S. Antioxidant potential of biogenic silver nanoparticles from *Anacardium occidentale* leaf in dalton’s ascites lymphoma-bearing swiss albino mice. *European Journal of Biomedical and Pharmaceutical sciences*, 2018; 5 (3):387-392.
- **Bepari M**, Maity P and Maiti Choudhury S. Inhibition of Ehrlich’s Ascites Carcinoma by the leaf Extracts of *Eupatorium ayapana* in Swiss Albino Mice. *Research Journal of Pharmaceutical, Biological and Chemical Sciences*, 2015; 6(1):1274-1281.
- **Bepari M**, Pal A, Maity P, Maiti Choudhury S. Nutritional and health status of adult women of the Lodha tribal population of Paschim Midnapore, West Bengal, India: A comparison with nontribal women. *East African Journal of Public Health*, 2015; 12(1): 988-996.
- **Bepari M**, Maity P, Das T and Maiti Choudhury S. Zinc and α -lipoic acid alleviate cypermethrin induced reproductive toxicity in mature male wistar rat. *International J Life Sc and Pharma Research*, 2014; 4(2).
- **Bepari M**, Maity P, Sinha B and Maiti Choudhury S. *Eupatorium ayapana* leaf extracts enhance antioxidant potential in Ehrlich’s ascites carcinoma-bearing Swiss

albino mice. *International Journal of Life Science and Pharmacy Research*, 2013; 3(4).

- Maity P, **Bepari M**, Pradhan A, Baral R, Roy S and Maiti Choudhury S. Synthesis and characterization of biogenic metal nanoparticles and its cytotoxicity and anti-neoplasticity through the induction of oxidative stress, mitochondrial dysfunction and apoptosis. *Colloids and Surfaces B*, 2017; 161: 111-120
- Maity P, **Bepari M**, Pradhan A, Baral R and Maiti Choudhury S. *In-vitro* and *in vivo* anti-inflammatory potential of silver nanoparticles synthesized from *Calotropis gigantea* latex extract. *World Journal of Pharmaceutical Research*, 2017; 6(17):871-882.
- Pradhan A, **Bepari M**, Maity P, Roy SS, Roy S and Maiti Choudhury S. Gold nanoparticles from indole-3-carbinol exhibit cytotoxic, genotoxic and antineoplastic effects through the induction of apoptosis. *RSC Advances*, 2016; 6: 56435.
- Maity P, **Bepari M** and Maiti Choudhury S. Antimitotic, apoptotic and antineoplastic potential of leaf extract of *Eupatorium ayapana*. *International Journal of Phytomedicine*, 2015;7: 69-77.
- Maity P, **Bepari M** and Maiti Choudhury S. Evaluation of Antimitogenic and Cytotoxic Potential of *Anacardium occidentale* Leaf Extracts in *Allium cepa* Root Tip Cells and Against Sarcoma- 180 Cells. *International Journal of Science and Research*, 2015;4(4):290-293.
- Sanyal S, Maity P, Pradhan A, **Bepari M** and MaitiChoudhury S. *Calotropis gigantean* Linn. latex: Phytochemical screening, antimitotic potential in *Allium cepa* root tip cells and in-vitro cytotoxicity against sarcoma-180 cells. *World Journal of Pharmacy and Pharmaceutical Sciences*, 2016; 5(11).
- Sanyal S, Maity P, Pradhan A, **Bepari M**, Dey SK, Maiti Choudhury S. *Calotropis gigantea* latex exhibits antioxidant potential in Dalton's ascites lymphoma (DLA) bearing mice. *World Journal of Pharmaceutical Research*, 2016; 5(11): 1617-1632.

- Sanyal S, Maity P, Pradhan A, **Bepari M**, Dey SK, Roy T, Maiti Choudhury S. Sub-acute toxicity study of *Calotropis gigantea* latex extracts in male Swiss albino mice. *Toxicology and forensic medicine*, 2016; 1(2): 54-64.
- Maiti Choudhury S, Sabud P, Maity P, **Bepari M**, Pradhan, Pal A. A cross-sectional study on the nutritional status and morbidity profile of tribal and non-tribal female brick-field workers of Paschim Medinipur district. *International Journal of Occupational Safety and Health*, 2014; 4(2): 51-57.

NATIONAL:

- Das T, **Bepari M**, Maity P, Ghosh R, Pathak TK, Maiti Choudhury S. Evaluation of the hepatotoxic potential of cypermethrin in mature male Wistar rat by intraperitoneal route. *Indian J of Biological Sciences*, 2010;16: 19-28.

Book Article

- ❖ Maiti Choudhury S, Maity P, **Bepari M**. 2015. Combined mixtures of *Calotropis gigantea* latex and *Barleria lupulina* leaf extracts ameliorate Dalton's Ascitic Lymphoma induced cell proliferation. *International conference on Innovative research in Engineering, Science and Management, ESM-2015, Volume 2*, pp. 377-383. McGraw Hill Education (India) Private Ltd, New Delhi [ISBN (13):978-93- 85880-72-8].

Abstract Publication/Seminar presentation

1. Composite mixtures of *Barleria lupulina* leaf and *Calotropis gigantea* latex inhibits Dalton's Ascitic Lymphoma cell proliferation by inducing apoptosis, DNA fragmentation and enhances antimetabolic effect in *Allium cepa* root. **Madhubanti Bepari**, Pralay Maity, Sujata Maiti Choudhury. 100th Indian science Congress, 3-7th January, 2013, Kolkata, West Bengal, India.
2. Role of zinc and lipoic acid in mitigating the toxic effects of cypermethrin on male reproductive system of rat'. **Madhubanti Bepari**, Anurag Pramanik, Tuhina Das, Sujata Maiti Choudhury. HWWE-2013, International Conference on ergonomics and Human

- factors “Ergo 2013: Ergonomics for rural Development” 4-6th December, 2013, Vidyasagar University.
3. Inhibition of neoplastic proliferation as well as haematological and histological alterations in Ehrlich ascites carcinoma-bearing mice by *Barleria lupulina*. **Madhubanti Bepari**, Pralay Maity, Sujata Maiti Choudhury. 101st Indian Science Congress, 2014, 3-7th February, 2014, Jammu, India.
 4. Improvement of cytotoxic and apoptogenic properties of *Anacardium occidentale* in Ehrlich Ascites Carcinoma cell by its biogenic synthesized silver nano form. **Madhubanti Bepari**, Pralay Maity, Ananya Pradhan, Sujata Maiti choudhury. XXVIth Annual National Conference of the Physiological Society of India. 19-21st December 2014, Berhampore, Murshidabad, West Bengal, India.
 5. Cytotoxic and apoptotic efficacy of zinc nanoparticles synthesized from *Anacardium occidentale* leaf. **Madhubanti Bepari**, Pralay Maity, Ananya Pradhan, Sujata Maiti Choudhury. 102nd Science Congress, 2015, 3-7th January, 2015, Mumbai University, Mumbai, India.
 6. Cytotoxic and apoptogenic properties of *Anacardium occidentale* in Ehrlich ascites carcinoma cell by its biogenic synthesized zinc sulphate form. **Madhubanti Bepari**, Sujata Maiti Choudhury. UGC-sponsored National Seminar on Current trends of research in human physiology and community health, 27th March, 2015, Vidyasagar University, west Bengal, India.
 7. The green synthesis, characterization and evaluation of the toxicological effects of silver nanoparticles synthesized from *Anacardium occidentale* leaf aqueous extracts. **Madhubanti Bepari**, Pralay Maity, Ananya Pradhan and Sujata Maiti Choudhury. 103rd Indian Science Congress; Section of Medical Sciences (Including Physiology), 3-7th January, 2016, Mysore University, Mysore, Karnataka, India.

6. Professional Membership:

- ❖ Life member-Indian Science Congress Association (ISCA)

