

Curriculum Vitae

Preeti Jain, PhD

Associate Professor

Department of Pharmaceutical Sciences, North South University
Bashundhara, Dhaka 1229

Academic Background

- | | |
|------|---|
| 2008 | PhD, Pharmaceutical Biotechnology
Jadavpur University, Kolkata, India |
| 2001 | Master of Technology (M. Tech), Biotechnology
Jadavpur University, Kolkata, India, 1 st Class (Ranked 1 st) |
| 1999 | Bachelor of Pharmacy
Jadavpur University, Kolkata, India, 1 st Class |

Current Research Interests:

Analysis of multiple antibiotic resistance and heavy metal tolerance in bacteria, Screening of medicinal plant extracts for various pharmacological activities, Herbal formulations.

LIST OF PUBLICATIONS

1. **Jain P**, Hossain MAA, Fatema K, Mazumder KU, Hossain MS, Hossain H, Alam MA and Reza HM. Antinociceptive and anti-inflammatory activities of *Mycetia longifolia* (Wall.) O. Kuntze. Journal of Herbs Spices and Medicinal Plants. 2015; 21:321-331.
2. **Jain P**, Hossain MS, Fatema K, Hossain MAA,, Mazumder KU, Hossain H, Alam MA and Reza HM. Anti-inflammatory, analgesic and antioxidant activities of *Allophylus cobbe* Leaves. American Journal of Pharmacology and Toxicology. 2015;9 (4): 223-231.
3. Ang LP, **Jain P**, Phan TT and Reza HM. Human umbilical cord lining cells as novel feeder layer for ex vivo cultivation of limbal epithelial cells. Investigative Ophthalmology & Visual Science. 2015; 56:4697-4704.
4. Reza HM, Tabassum N, Sagor AT, Chowdhury MRH, Rahman MM, **Jain P** and Alam MA. Angiotensin-converting enzyme inhibitor prevents oxidative stress, inflammation and fibrosis in carbon tetrachloride-treated rat liver. Toxicology Mechanisms and Methods. 2015. DOI: 10.3109/15376516.2015.1124956.

5. Alam MA, Chowdhury MRH, **Jain P**, Md. Sagor MAT and Reza HM. DPP-4 inhibitor sitagliptin prevents inflammation and oxidative stress of heart and kidney in two kidney and one clip (2K1C) rats. *Diabetology & Metabolic Syndrome*. 2015;7:107.
6. Alam MA, Uddin R, Subhan N, Rahman MM, **Jain P** and Reza HM. Beneficial Role of Bitter Melon Supplementation in Obesity and Related Complications in Metabolic Syndrome. *Journal of Lipids*.2015; Article ID 496169.
7. Reza HM, Gias ZM, Islam P, Sabnam S, **Jain P**, Hossain MH, Alam MA. HPLC-DAD system based phenolic content analysis and in vitro anti-oxidant activities of rice bran obtained from Aush Dhan (*Oryza sativa*) of Bangladesh. *Journal of Food Biochemistry*. 2015; 39 (4): 462-470.
8. Reza H M, Shohel M, Aziz SB, Pinaz FI, Uddin MF, Al-Amin M, Khan IN, **Jain P**. Phytochemical and pharmacological investigation of ethanol extract of *Cissampelos Pareira*. *Indian Journal of Pharmaceutical Sciences*. 2014;76:455-458.
9. **Jain P**, Reza HM and Pal S. Molecular phylogenetic analysis of bacterial community and characterization of Cr(VI) reducers from the sediments of Tantloi hot spring, India. *Aquatic Biosystems*. 2014;10:7.
10. **Jain P**, Hussain KR, Mishu TR and Reza HM. Antioxidant and Antibacterial Activities of *Spondias pinnata*. Kurz. Leaves. *European Journal of Medicinal Plants*. 2014;4(2): 183-195.
11. Islam T, Ferdous S, **Jain P** and Reza HM. Method development and validation of Baclofen mouth dissolving tablets by UV spectroscopy. *European Journal of Applied Sciences*. 2013; 5 (1): 07-11.
12. Reza HM, Zaman L, Yasmin T, Pavel AM and **Jain P**. In vitro Dissolution Studies of Different Brands of Baclofen Tablets Available in Bangladesh. *International Journal of Basic Medical Sciences and Pharmacy*. 2012; 2(2): 80-82.
13. Reza HM, Islam T, Shohel M and **Jain P**. Formulation Design and Evaluation of Baclofen Mouth Dissolving Tablets. *European Journal of Applied Sciences* .2012; 4(3): 110-116.
14. Reza HM, Islam T, Shohel M and **Jain P**. Formulation Development of Taste Masked Aceclofenac Orodispersible Tablets. *American-Eurasian Journal of Scientific Research*. 2012; 7 (6): 257-263.
15. **Jain P**, Amatullah A, Rajib SA and Reza HM. Antibiotic resistance and chromium reduction pattern among actinomycetes. *American Journal of Biochemistry and Biotechnology*. 2012. 8(2): 111-117.
16. Paul SC, **Jain P**, Mitra J, Dutta S, Bhattacharya P, Bal B, Bhattacharyya D, Gupta SD and Pal S. Induction of Cr(VI) reduction activity in an *Anoxybacillus* strain under heat stress: a biochemical and proteomic study. *FEMS Microbiol Lett*. 2012;331 (1):70-80.

17. **Jain P**, Bhuiyan MH, Hussain KR, Bachar SC: Antibacterial and Antioxidant Activities of Local Seeded Banana Fruits. African Journal of Pharmacy and Pharmacology. 2011;5(11):1398-1403.

POSTERS AND PODIUM PRESENTATIONS IN CONFERENCES

1. **Jain P**, Hussain KR. Antioxidant activity of various extracts of *S. Pinnata* leaves. Oral presentation in 12th congress of International Society for Ethnopharmacology [ISE], India. February 2012.
2. Paul SC, **Jain P**, Bal B, Pal S: The first report of aerobic chromium reduction at high temperature by a thermophilic *Anoxybacillus* strain isolated from Tantloi (India) hot spring in India. Proceedings, Annual Meeting of Society of Biological Chemists, 2009
3. Pal S, **Jain P**, Bal B: Construction of environmental DNA libraries from hot spring sediments and enrichment cultures to access chromium reducing genes. Extremophiles Conference, Cape Town, South Africa, September 2008.
4. **Jain P**, Bhowmick DC, Bal B, Pal S. Microbial diversity of an aerobic-anaerobic geothermal ecosystem of Tantloi in the Jharkhand state of India, International Conference of Biodiversity: Issues & Concerns, organized by Indian Statistical Institute, Kolkata (India). November 2007
5. **Jain P**, Bhowmick DC, Bal B, Pal S: Microbial redox processes in a geothermal ecosystem of Tantloi in the Jharkhand state of India, 76th Annual Meeting of Society of Biological Chemists (India), November 2007.
6. Pal S, **Jain P**, Bhowmick DC, Bal B: Thermophilic Redox Processes, 48th Annual Conference of Association of Microbiologists of India. December, 2007