

Name: Dr. Deepika Gupta

Designation: Visiting faculty (Biological Sciences)

Phone: 8652440524

E-mail: deep_dr5@yahoo.co.in

School: School of Science



Research Interest:

- Natural Products
- Drug Discovery
- Cancer Research

Academic Background:

Degree	Subject	University	Year
Phd	Biotechnology	Guru Gobind Singh Indraprastha University, New Delhi, India	2012
M.Sc.	Biotechnology	Aligarh Muslim University, Aligarh, U.P., India	2004
B.Sc.	Chemistry (Hons.)	Aligarh Muslim University, Aligarh, U.P., India	2002

Professional Experience:

From	Period	Position	Organisation
March 2012- Jan 2015	3 yr	Research Associate	Translational Research Lab, Advance Centre for Treatment and Research and Education in Cancer (ACTREC), Kharghar, Navi Mumbai, India
July 2017- August 2018	1.1 yr	Assistant Professor, Biotechnology	Parul Institute of Applied Sciences, Parul University, Vadodara
August 2018-August 2021	3 yr	Assistant Professor, Biotechnology	GSFC University, Vadodara

Teaching Engagements:

- Graduate lecture & undergraduate lecture courses on Immunology, Genetics, Microbiology, Biochemistry, Biomolecules, Enzymology, Metabolism, Analytical Techniques, Cell Biology
- B.Sc. thesis seminar
- M.Sc. departmental dissertation

Publications:

1. **Deepika Gupta** (2017) Circulating Nucleic Acids (CNAs) in a New Perspective. Journal of Cell and Developmental Biology, 1:6.
2. Raghuram GV, **Deepika Gupta**, Siddharth Subramaniam, Ashwini Gaikwad, Naveen Kumar Khare, Malcolm Nobre, Naveen Kumar Nair, Indraneel Mittra (2017) Physical shearing imparts biological properties to DNA and ability to transmit itself horizontally across species and kingdom boundaries. BMC Molecular Biology, 18:21.
3. Indraneel Mittra, Urmila Samant, Suvarna Sharma, Gorantla V Raghuram, Tannistha Saha, Pritishkumar Tidke, Namrata Pancholi, **Deepika Gupta**, Preeti Prasannan, Ashwini Gaikwad, Nilesh Gardi, Rohan Chaubal, Pawan Upadhyay, Kavita Pal, Bhagyeshri Rane, Alfina Shaikh, Sameer Salunkhe, Shilpee Dutt, Pradyumna K Mishra, Naveen K Khare, Naveen K Nair & Amit Dutt (2017) Cell-free chromatin from dead cancer cells integrate into genomes of bystander healthy cells to induce DNA damage and inflammation. Cell Death Discovery, 3, Article number: 17015.
4. Mittra I, Khare NK, Raghuram GV, Chaubal R, Khambatti F, **Gupta D**, Gaikwad A, Prasannan P, Singh A, Iyer A, Singh A, Upadhyay P, Nair NK, Mishra PK, Dutt A (2015) Circulating nucleic acids damage DNA of healthy cells by integrating into their genomes. Journal of Biosciences, 40(1):91-111.
5. **Deepika Gupta**, Nandini Verma, Hasi R Das and Rajinder K Gupta (2014) Evaluation of anti-inflammatory activity of *Dracaena cinnabari* Balf f. resin. Indian Journal of Natural Products and Resources, 5(3), 215-222.
6. Malik, Shruti; Mann, Sonia; **Gupta, Deepika**; Gupta, Rajinder K (2013) Nutraceutical properties of *Prosopis cineraria* (L.) druce pods: a component of "panchkuta". Journal of Pharmacognosy and Phytochemistry, 2(2), 66-73
7. Sonia Mann, **Deepika Gupta** and Rajinder K Gupta (2012) Evaluation of nutritional and antioxidant potential of Indian Buckwheat grains. Indian Journal of Traditional Knowledge, 11(1), 40-44.
8. Sonia Mann, **Deepika Gupta**, Velol Gupta and Rajinder K Gupta (2012) Evaluation of nutritional, phytochemical and antioxidant potential of *Trapa bispinosa* Roxb fruits. International Journal of Pharmacy and Pharmaceutical Sciences, 4(1), 432-436.
9. **Deepika Gupta**, Sonia Mann, Isha Jain and Rajinder K Gupta (2011) Phytochemical, nutritional and antioxidant activity evaluation of fruits of *Ziziphus nummularia* Burm. International Journal of Pharma and Biosciences 2(4), 629-638.
10. **Deepika Gupta**, Sonia Mann, Avijit Sood and Rajinder K Gupta (2011) Phytochemical, nutritional and antioxidant activity evaluation of seeds of jackfruit (*Artocarpus heterophyllus* Lam.). International Journal of Pharma and Biosciences, 2(4), 336-345.
11. **Deepika Gupta**, Bruce Bleakley, and Rajinder K Gupta(2011) Phytochemical analysis and antioxidant activity of herbal plant *Doronicum hookeri* Hook. f. Journal of Medicinal plant

research. 5(13), 2736-2742.

12. **Deepika Gupta**, Ruchika Bhardwaj, and Rajinder K Gupta(2011) *In vitro* antioxidant activity of extracts from the leaves of *Abies pindrow* Royle. Afr J Trad Complement Altern Med. 8(4), 391-397.
13. **Deepika Gupta** and Rajinder K Gupta (2011) Bioprotective properties of Dragon's blood resin: *In vitro* evaluation of antioxidant activity and antimicrobial activity. BMC Complementary & Alternative medicine, 11:13.
14. **Deepika Gupta**, Bruce Bleakley, and Rajinder K Gupta (2009) Bioassay guided isolation of antibacterial homoisoflavone from Dragon's blood (Dammul-akhwain). Natural Product Radiance, 8(5), 494-497.
15. **Deepika Gupta**, Bruce Bleakley, and Rajinder K Gupta (2008) Dragon's Blood: Botany, Chemistry and Therapeutic Uses. Journal of Ethnopharmacology, 115, 361-380.

Awards/Recognitions:

- CSIR-NET for the Junior Research Fellowship and Lectureship in 2004.
- Graduate aptitude test for engineering (GATE) in 2004.
- DBT Scholarship for pursuing M.Sc. Biotechnology during 2002-2004.
- University Gold Medal for standing 1st in B.Sc (Hons.) Chemistry, 2002.
- Col. M. Haider Khan Gold Medal for standing first among girls in B.Sc (Hons.) Chemistry, 2002.
- Mohd. Manaluddian award 2002 for standing first among girls in science faculty.
- Certificate of merit for academic excellence in 2001.