

Curriculum Vitae of Dr. SHIKHA GUPTA

Personal information

Name : Dr. Shikha Gupta
Husband's Name : Atul Kumar Goel
Date of Birth : 28th July 1983
Sex : Female
Place of Birth : Delhi
Nationality : Indian
Email address : shikhaguptasinghal@gmail.com

Educational Qualifications

- **Ph.D.** under the supervision of Dr. Meetu Gupta, Department of Biotechnology, Jamia Millia Islamia, New Delhi, India.
Topic “Effect of selenium on Physiological, Biochemical and Molecular changes in Rice and Indian Mustard varieties”.
- **Master of Science in Biochemistry** from Department of Biochemistry, Kurukshetra University, Kurukshetra (session 2004-2006).
- **Bachelor of Science in Biochemistry** from M.L.N College, Yamunanagar, affiliated from Kurukshetra University, Kurukshetra (session 2001-2004).

Work experience

Worked as SERB National Post Doctoral fellow in Dept. of Biotechnology, Delhi Technological University, New Delhi on the project entitled ‘**Toxicity assessment and treatment of Pharmaceutical wastewater by novel nanocatalyst based advanced oxidation method**’. (April 2017- March 2019).

Academic achievement

- Did **Certified Digital Content Writing Course** from Henry Harvin Education, Noida. (Dec, 2018)

- Taught **Biochemistry to B.Sc and M.Sc (Food and Nutrition)** classes at Indramani Mandelia Shiksha Niket, College of Science, Home Science and Arts, Pilani, Rajasthan (2006-2007).
- **Qualified CSIR-JRF NET** in Life Sciences (Dec, 2007) jointly conducted by CSIR and UGC
- Took B.Sc. and M.Sc Biotechnology Practical classes during Ph.D. period.
- Hand on experience in Research Paper and Review writing

List of Publications

Research Papers

- **Gupta S, Gupta M (2015)** Alleviation of selenium toxicity in *Brassica juncea* L.: salicylic acid-mediated modulation in toxicity indicators, stress modulators, and sulfur-related gene transcripts. **Protoplasma** DOI 10.1007/s00709-015-0908-0 (**Impact factor: 3.17**)
- **Gupta S, Gupta M (2013)** Indian mustard varieties (*Brassica juncea*) respond differently under selenium stress. **Intern J Environ Res Develop** 3:70-73
- Gupta M, **Gupta S** (2017). An overview of selenium uptake, metabolism and toxicity in plants. **Frontiers in Plant Science**. DOI 10.3389/fpls.2016.02074

Book chapters

- Meetu Gupta, Chandana Pandey and **Shikha Gupta (2016)** Plant Response to Arsenic Stress and Role of Exogenous Selenium to Mitigate Arsenic-Induced Damages. **Abiotic stress in plants** DOI: 10.1002/9783527694570.ch13

Conferences

- Attended Faculty development programme on **‘Environmental Pollution: Monitoring and Control (EPMC)** during **24-28 October, 2016**, organized by Department of Environment Engineering, Delhi Technological University, New Delhi, India

- Presented **Poster** in International conference on “**Emerging Trends in Biotechnology**”, November 6-9, 2014, organized by School of Environmental Sciences, JNU, New Delhi, India
- Presented **paper** : **Gupta S, Gupta M (2013)** Indian mustard varieties (*Brassica juncea*) respond differently under selenium stress in “**International conference on Sustainable Innovative Techniques in Civil and Environmental Engineering (SITCEE-2013)**” held on 5th-6th June, 2013 organized by Krishi Sanskriti at Jawaharlal Nehru University.
- Attended “**Fourth International Conference on Plants and Environmental Pollution (ICPEP)**” held at National Botanical Research Institute (NBRI), Lucknow, during 8-11 December, 2010 organized by International Society of Environmental Botanists and NBRI institute.

Membership

- Life membership of Environment and Social Development Association (ESDA), Delhi, (India).