

Dr. Mona Sharma

EDUCATION

- Ph. D. (2012) in Environmental Sciences, Department of Environmental Science & Engineering, Guru Jambheshwar University of Science & Technology, Hisar (India)
- M.Sc. in Environmental Sciences with Distinction (Second Topper) from Guru Jambheshwar University of Science & Technology, Hisar (India) in 2006
- Post Graduate Diploma in Industrial Safety Management (PGDISM) with First Division from Guru Jambheshwar University of Science and Technology, Hisar in 2008 (Topper and Gold Medalist).

TEACHING AND RESEARCH EXPERIENCE

- Assistant Professor at AIETSM, Amity University Uttar Pradesh, Noida (June 2014 to August 2015)
- Research Scientist at AIETSM, Amity University Uttar Pradesh, Noida (May 2012-May 2014)
- Teaching Associate at Department of Environmental Science & Engineering, Guru Jambheshwar University of Science & Technology, Hisar (August 2011-May 2012)

RESEARCH FELLOWSHIPS

- Recipient of Senior Research Fellowship (SRF) from Center of Scientific and Industrial Research (CSIR), New Delhi during Ph.D.
- Recipient of Research Fellowship from University Grant Commission (UGC) during Ph.D.

PRIZES/AWARDS/ACHIEVEMENTS

- Won Best Paper Award in National Seminar on “Strategies for Mitigation of Environmental Degradation and Climate Change” held on 2nd – 3rd March, 2012 in Guru Jambheshwar University of Science & Technology, Hisar
- Topper (Gold Medalist) in P.G. Diploma in Industrial Safety Management from Guru Jambheshwar University of Science & Technology, Hisar (India)

- Second Topper in M.Sc. in Environmental Sciences from Guru Jambheshwar University of Science & Technology, Hisar (India)
- UGC-National Eligibility Test (NET) for Lectureship qualified in June, 2007 in Environmental Sciences
- Recipient of Meritorious Fellowship during M.Sc. Programme from 2005-2006
- Distinction in Biology in Senior Secondary Examination.

CO-CURRICULAR ACTIVITIES

- Member of Organizing and Publication Committee of National Conference on *“Earth and Environment: Pollution and Prevention (EPPP-2014)”* held from January 28-30, 2014 at Amity Institute of Environmental Toxicology, Safety and Management, Amity University Uttar Pradesh, Noida
- Member of Local Organizing and Publication Committee of National Conference on *“Environmental Pollution, Soil Health and Sustainable Agriculture”* held from January 15-17, 2013 at Amity Institute of Environmental Toxicology, Safety and Management, Amity University Uttar Pradesh, Noida
- Member of Publication Committee of National Workshop on *“Pollution Prevention Paradigm”* held on May 11, 2012 at Amity Institute of Environmental Toxicology, Safety and Management, Amity University Uttar Pradesh, Noida
- Member of Editorial Board of the Proceedings (with ISBN number: ISBN No. 978-93-80872-61-2) of National Seminar on *“Strategies for Mitigation of Environmental Degradation and Climate Change”* (SMED CC-2012) held from March 2-3, 2012 at Department of Environmental Science & Engineering, Guru Jambheshwar University of Science & Technology, Hisar
- Member, Local Organizing Committee of National Seminar on *“Strategies for Mitigation of Environmental Degradation and Climate Change”* (SMED CC-2012) held from March 2-3, 2012 at Department of Environmental Science & Engineering, Guru Jambheshwar University of Science & Technology, Hisar

- Member, Core Organizing Committee of International Conference on “*Changing Environmental Trends and Sustainable Development*” (CETAS-2009) held from February 9-11, 2009 at Department of Environmental Science & Engineering, Guru Jambheshwar University of Science & Technology, Hisar
- Associated as a student member in editorial board of the Proceedings of “*Changing Environmental Trends and Sustainable Development*” (CETAS-2009) held from February 9-11, 2009 at Department of Environmental Science & Engineering, Guru Jambheshwar University of Science & Technology, Hisar
- Conducted a *Quiz* as Quiz Master on *Ozone day Programme* at the Department of Environmental Science & Engineering which was telecast by *Hisar Doordarshan* in September, 2011
- Anchored interview of an *Environmentalist* at *Hisar Doordarshan* in October, 2011
- Member, Organizing Committee of “*National Workshop on E-waste management*” held on October 25, 2007 at the Department of Environmental Science & Engineering, Guru Jambheshwar University of Science & Technology, Hisar
- Member of Student organizing committee of “*Earth Day*” celebrations {2005 to 2006}
- In organizing committee of “*OZONE WEEK*” {2004 to 2011}
- In organizing committee of “*World Water Day*” {2005-2012}
- *Tree plantation programmes* conducted at departmental and university level {2004-2012}

RESEARCH PAPERS IN JOURNALS

1. **Mona, S.,** Kaushik, A. and Jindal, T. **2015.** Chromium and Cobalt Sequestration using Exopolysaccharides Produced by Freshwater Cyanobacterium *Nostoc linckia*, *Ecological Engineering* (Elsevier) doi:10.1016/j.ecoleng.2015.04.037.
2. Bansal, D., Narsi R. Bishnoi, and ***Mona, S. 2015.** Challenges and benefits of implementing an Environmental Management System: A review. *International*

- Journal of Advanced Scientific and Technical Research* (RS Publication) 5 (2), 159-180.
3. **Mona, S. and Kaushik, A. 2014.** Screening metal-dye-tolerant photoautotrophic microbes from textile wastewaters for biohydrogen production. *Journal of Applied Phycology* (Springer) 27: 1185-1194.
 4. **Mona, S., Kaushik, A. Kaushik, C.P. 2013.** Prolonged hydrogen production by *Nostoc* in photobioreactor and multi-stage use of the biological waste for column biosorption of some dyes and metals. *Biomass & Bioenergy* (Elsevier) 50, 27-35.
 5. Anjana, K., Kiran, B., **Mona, S., and Kaushik, A., 2012.** Biological photohydrogen production by cyanobacteria: future prospects as a fuel, *Journal of Environmental Research and Development* 6 (3A), 779-783.
 6. **Mona, S., Kaushik, A. and Kaushik, C.P. 2011,** Hydrogen Production and metal-dye bioremoval by a *Nostoc linckia* strain isolated from textile mill oxidation pond. *Bioresource Technology* (Elsevier) 102, 3200-3205.
 7. Kaushik A., ***Mona, S. and Kaushik, C.P. 2011.** Integrating photobiological hydrogen production with dye-metal bioremoval from simulated textile wastewater, *Bioresource Technology* (Elsevier) 102, 9957-9964.
 8. **Mona, S., Kaushik, A. and Kaushik, C.P. 2011.** Biosorption of Reactive Dye by Waste Biomass of *Nostoc linckia*, *Ecological Engineering* (Elsevier) 37, 1589-1594.
 9. **Mona, S., Kaushik, A. and Kaushik, C.P. 2011,** Biosorption of Chromium(VI) by Spent Cyanobacterial Biomass from a Hydrogen Fermentor using Box-Behnken Model. *International Biodeterioration & Biodegradation* (Elsevier) 65, 656-663.
 10. **Mona, S., Kaushik, A. and Kaushik, C.P. 2011.** Sequestration of Co(II) from aqueous solution using immobilized biomass of *Nostoc linckia* waste from a hydrogen bioreactor. *Desalination* (Elsevier) 276, 408–415.
 11. **Mona, S., Kaushik, A. and Kaushik, C.P. 2011,** Waste biomass of *Nostoc linckia* as adsorbent of crystal violet dye: Optimization based on statistical model. *International Biodeterioration & Biodegradation* (Elsevier) 65, 513-521.
 12. **Sharma, M., Rani, N., Kamra, A., Bala, K. and Kaushik, A. 2009,** Growth, Exopolymer Production and Metal Bioremoval by *Nostoc Punctiforme* in Na⁺ and

Cr(VI) Spiked Medium. *Journal of Environmental Research and Development*. 4 (2), 372-379.

13. **Sharma, M.**, Kaushik, A., Somvir, Bala, K. and Kamra, A., **2008**, Sequestration of Chromium by exopolysaccharides of *Nostoc* and *Gloeocapsa* from dilute aqueous solutions. *Journal of Hazardous Materials* (Elsevier) 157, 315-318.

**Corresponding author*

CHAPTERS IN BOOKS

1. **Mona, S.**, Kaushik, A. and C.P. Kaushik, **2012**, Potential of exopolysaccharides of a cyanobacterial consortium for sequestration of metal-dye from aqueous solution Published in proceeding of National Seminar on “Strategies for Mitigation of Environmental Degradation and Climate Change” (ISBN No. 978-93-80872-61-2/ Arihant Publications) pp. 101-104.
2. Anjana, K., Kiran, B., **Mona, S.**, and Kaushik, A., **2008**, Heavy Metal Tolerance and Biosorptive Potential in Microalgae and Cyanobacteria Isolated from Contaminated Sites. In: Proceedings of National Seminar on “Environment (ISBN No. 978-81-906518-5-1/ Vayu Education of India Publications)” pp. 331-336.

PERSONAL DETAILS

Date of Birth: December 20, 1983
Religion: Hindu
Marital Status: Married