Name of Faculty

Name	**MOHINI SINGH**
Area	Environmental Science
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Educational Qualifications

M.Sc., Ph.D (Environmental Science), UGC-NET, ICAR-NET

Academic Affiliation

Current: Assistant Professor, Department of Environmental Science, Central University of Haryana, Jant-Pali, Mahendergarh, Haryana

Previous: Assistant Professor, Department of Environmental Science, ITM University, Gwalior, Madhya Pradesh

Professional Affiliation

Member

Life Member - IACSIT Environmental Science Society (ESS), Singapore

Life Member - Asia-Pacific Chemical, Biological& Environmental Engineering Society, Hong Kong

Life member – Indian Water Resources Society, IIT Roorkee

Annual member - Annals of Plant and Soil Research, GKV Society, Agra

Area Of Research

Wastewater Treatment, Environmental Analysis, Phytoremediation

Current Research: NA

Publications/ Articles/ Cases

1. Srivastava, R.K. and **Singh, M.** 2014. Gandhian principles of waste utilization for environmental sustainability. In: Proc. of future of rural chemical industries in India. Rural Chemical Industry Division, Wardha, Jan 16-17, 2014, pp.25-35.
2. **Singh, M.** and Srivastava, R.K. 2014. Treatment efficacy of short rotation woody species and their economic appraisal in vegetation filter system. *Annals of Plant and Soil Research* (accepted, APSR/2014/113).
3. Pandey, A., **Singh, M.**, Srivastava, R.K and Vasudevan, P. 2011. Pollutant removal potential, growth and nutritional characteristics of short rotation woody crops in grey water vegetation filter system. *Journal of Scientific & Industrial Research*, Vol. 70, pp. 610-615.
4. **Singh, M.** and Srivastava, R.K. 2010. Sequencing batch reactor technology for biological wastewater treatment: a review. *Asia-Pacific Journal of Chemical Engineering*, Vol. 6, pp. 3-13, (ISSN: 1932-2143).
5. **Singh, M.** and Srivastava, R.K. 2009. Performance study of a fixed-bed biofilm sequencing batch reactor under different operational conditions. 4th Uttarakhand State Science & Technology Congress, G.B.P.U.A.&T., Pantnagar, Uttarakhand, India, pp.91-99.
6. **Singh, M.** 2011. Land Treatment Systems. IWA Waterwiki. Available at: http:// www.iwawaterwiki.org/xwiki/bin/view/Articles/LandTreatmentSystems_0

Seminar/Conferences/Workshops

1. **Singh, M.** 2014. Grey water reuse for sustainable production of woody energy crops. National conference on "Recent Trends in Environmental Science" held at Indira Gandhi Academy of Environmental Education Research and Ecoplanning, Jiwaji University, Gwalior during 4-5 Feb, 2014.
2. **Singh, M.** and Srivastava, R.K., 2011. Phytoremediation of greywater by constructed wetland as alternative treatment for small communities. World Congress for Man and Nature (WCMANU-2011) "Global climate change & biodiversity conservation" held at Gurukul Kangri Vishwavidyalaya, Haridwar, Uttarakhand, India on Nov.11-13, 2011.
3. **Singh, M.** and Srivastava, R.K., 2011. Dendroremediation of contaminated sites by short rotation woody crops. National Seminar on "Pesticides, Food Safety and Environment" held at G.B.P.U.A&T, Pantnagar, India on Nov. 8th, 2011.
4. **Singh, M.,** Kaphaliya, B. and Srivastava, R.K., 2011. Horizontal sub-surface flow constructed wetlands for wastewater treatment and reuse. National Seminar on "Strategic Resource Management for Sustainable Food and

Water Security" held at G.B.P.U.A&T, Pantnagar, India on June 13-15, 2011.

5. **Singh, M.** and Srivastava, R.K., 2011. Sustainable forestry for bioenergy production and climate change mitigation. National Symposium on Technological Interventions for Sustainable Agriculture, G.B.P.U.A&T, Hill Campus, Ranichauri, Tehri Garhwal, India on May 3-5, 2011.
6. **Singh, M.** and Srivastava, R.K., 2011. Implication of vegetation filters for sustainable wastewater treatment and bioenergy production. National Conference on Multidisciplinary Approach in Frontier Areas of Environmental Science and Engineering (MAFAESE-2011) at G.J.U.S.T, Hisar, India.
7. **Singh, M.** and Srivastava, R.K. 2010. Preliminary studies on growth and nutritional characteristics of coppiced fast growing tree species irrigated with domestic wastewater. *In:* Davies, P., Sen, P.V. & Singh, S.N. (Ed.). Proceedings of seminar on "Enhanced Biomass Production and energy conversion for use in water scarce areas of India" and "Bio-energy: technology and business solutions for the UK and India", held at IIT, Delhi from Sept. 9-11, 2010.
8. **Singh, M.** and Srivastava, R.K., 2010. Carbon neutral energy plantation to mitigate for climate change and improve the global energy security". International Conference on Cooling The Earth: Tactics for Restoring Climate Order and Saving the Living Planet held at G.B.P.U.A.&T., Pantnagar, India.
9. **Singh, M.** and Srivastava, R.K. 2009. Performance study of a fixed-bed biofilm sequencing batch reactor under different operational conditions. 4th Uttarakhand State Science & Technology Congress, G.B.P.U.A.&T., Pantnagar, Uttarakhand, India.
10. **Singh, M.** and Srivastava, R.K. 2009. "Vermicomposting: A tool for waste management". National Seminar on Global Warming and role of Environmental Education in Technical Institutions and Industries, Apex Institute of Technology, Kaushalganj, Uttar Pradesh.

Presentations and Participation

1. Participated in national conference on **"Recent Advances in Chemical and Environmental Science: Green Chemistry a Solution"** organized by ITM University on 16th November 2013.
2. Participated in one day workshop on **"Role of Microbiology in Health and Environmental Protection"** organized by school of life sciences, ITM University, Gwalior on 23rd October, 2013.
3. Participated in three days National seminar on **"Praktutik Swastha Jeevan Shaily Aur Paryavaran"** organized by Ananda Kendra, Vivekananda Needam from 22nd to 24th February, 2013.
4. Participated in one week short-term training course on "**Green Technologies for Combating Climate Change and Sustainable Development"** jointly organized by NITTTR Chandigarh and G.B.P.U.A&T, Pantnagar from 21st to 25th August 2012 at G.B.P.U.A&T, Pantnagar.
5. Participated in workshop "**State Level Water Quality Training Workshop For Water Managers"** on May 12, 2011

jointly organized by Water Technology Initiative, DST and UCOST at G.B.P.U.A.&T, Pantnagar, India.

6. Participated in National Seminar on "**Environmental Ethics**" at Jai Arihant Academic Institute, Halduchaur, Haldwani, India on 2nd March 2011.
7. Participated in two days workshop on "**State Level Watershed Management & Rain Water Harvesting Training Workshop",** jointly organized by Central Ground Water Board and Uttarakhand Council of Science & Technology (UCOST) at Rudrapur, India from February 24 - 25th, 2011.
8. Participated in 3 days training programme on **"Water Summit"** sponsored by TEQIP project of World Bank by Department of Civil Engineering, G.B.P.U.A.&T., Pantnagar on February 19-21, 2009.
9. Participated in the **Industry Academia Coordination Workshop**, organized at G.B.P.U.A.&T., Pantnagar by Kumaun & Garhwal Chambers of Commerce & Industries and Uttarakhand Council of Science & Technology, on November 15, 2008.
10. Successfully undergone training programme on **Biotechnological Applications and Environmental Management in Paper & Pulp Industry** from February 23-25, 2008 at Central Pulp & Paper Research Institute, Saharanpur, U.P, India.
11. Participated in National Conference on **"Ecosystem Diversity and Carbon Sequestration: Challenges and a way out for ushering in a sustainable future"** organized by Department of Environmental Science, G.B.P.U.A.&T., Pantnagar from 22-24 March 2007.