


Faculty Member Details

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Date of Birth:	01/07/1983	
Date of joining:	09/06/2011	
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Qualifications: M.Sc. (Environmental Science) J.N.U. New Delhi 2005
Ph.D. I.I.T. Delhi 2011
N.E.T. U.G.C. New Delhi 2005
J.R.F. and S.R.F U.G.C. New Delhi 2006 to 2010

Specialization: Water chemistry, Environmental Pollution, Environmental toxicology, Phytoremediation of heavy metals

Research and Teaching Experience {Ph.D. onwards }:

Research / Teaching experience	From	To
Teaching M.Sc. Environmental Science at M.G.S. University, Bikaner	June, 2011 onwards	
Registered as Research Supervisor at M.G.S. University, Bikaner	20/09/2016 onwards	

Publications:

I. Research Papers Published:

A. International Journals:	<ul style="list-style-type: none"> ➤ Gadgil, K., Kaur, L., Sharma, S. Simulated studies on lead uptake by Lemna minor with varying lead concentrations in different alkaline range. Indian Journal of Environmental Protection 28 (11), 961-966 (2008). ➤ Kaur, L., Gadgil, K., Sharma, S. Phytoaccumulation of nickel from contaminated water by duckweed (Lemna minor). Journal of Environmental Research and Development 3 (2), 388-394 (2008). ➤ Kaur, L., Gadgil, K., Sharma, S. Lead uptake in acidic medium by Lemna minor. Asian Journal of Chemistry, 21 (8), 6468-6472 (2009). ➤ Kaur, L., Gadgil, K., Sharma, S. Effect of pH and lead concentration on phytoremoval of lead from lead contaminated water by Lemna minor. American-Eurasian Journal of Agriculture & Environmental Sciences 7
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	<p>(5), 542-550 (2010).</p> <ul style="list-style-type: none"> ➤ Kaur, L., Gadgil, K., Sharma, S. Role of pH in the accumulation of lead and nickel by common duckweed (<i>Lemna minor</i>). <i>International Journal of Bioassays</i> 1 (12), 191-195 (2012). ➤ Kaur, L., Gadgil, K., Sharma, S. Comparative study of natural phytoextraction and induced phytoextraction of lead using mustard plant (<i>Brassica juncea arawali</i>). <i>International Journal of Bioassays</i> 2 (1), 352-359 (2013). ➤ Kaur, L., Gadgil, K., Sharma, S. Effect of pH on nickel removal by <i>Lemna minor</i>. <i>The Journal of Solid Waste Technology and Management</i> 39 (3), 190-196 (2013). ➤ Kaur, L., Gadgil, K., Sharma, S. Assessment of phytoextraction potential of fenugreek (<i>Trigonellafoenum-graecum L.</i>) to remove heavy metals (Pb and Ni) from contaminated soil. <i>Journal of Chemical Health Risks</i> 5 (1), 1-14 (2015). ➤ Kaur, L., Gadgil, K., Sharma, S. Comparative evaluation of salicylic acid and EDTA chelant induced phytoremediation of lead and nickel using <i>Lemna minor L.</i> <i>Tropical Plant Research</i> 2 (3), 264-270 (2015). ➤ Kaur, L., Gadgil, K., Sharma, S. Phytoextraction based on Indian Mustard (<i>Brassica juncea arawali</i>) planted on spiked soil by aliquot amount of lead and nickel. <i>International Journal of Environmental Quality</i> 17, 13-23 (2015). ➤ Kaur, L. Traditional knowledge of indigenous communities of Rajasthan and environment (A short review). <i>Journal of Biodiversity and Ecological Sciences</i> 5 (1), 1-7 (2015). ➤ Kaur, L., Ramanathan, A.L. Assessment of Major Ion Chemistry in Ground Water and Surface Water of Kailana Lake Area of Jodhpur (Rajasthan). <i>Journal of Water Resource Engineering and Management</i> 3(2), 42-56 (2016). ➤ Kaur, L. Tolerance and accumulation of lead by fenugreek. <i>Journal of Agriculture and Ecology</i> 1, 22-34 (2016).
B. Books:	<ul style="list-style-type: none"> ➤ Kaur, L. (2013). Role of nomadic tribes in environmental conservation. In Shrimali, C.N., Joshi, R., Purohit, R. (Eds.), <i>Ghumantu Janjati Jeevan</i>. Paper presented at Ghumantu janjatiyaon ka Itihaas avm paramparayien, Bikaner, 24-25 December 2012 (pp. 95-104). Bikaner: Chakri Prakashan (ISBN: 81-902922-7-7). ➤ Kaur, L. (2017). Status of environmental education and environmental awareness in India. In: Barbar, S.K., Jhala, L.S., Maheshwari, K. (Eds.), <i>Urbanization and environment: Issues and challenges</i>, pp. 72-75, Himanshu Publications Udaipur (ISBN: 978-81-7906-634-8).
C. Newsletter	<ul style="list-style-type: none"> ➤ Kaur, L., Gadgil, K., Sharma, S. Application of Phytoremediation in Environmental Management. <i>Energy-Environment Newsletter</i> July 2008-December 2009. Centre for Energy Studies (CES), Indian Institute of Technology Delhi, pp. 7-8. ➤ Kaur, L. Sustainable River Basin. <i>National Environmental Science Academy Newsletter</i>, 19 (4-5), pp. 2-4, 2016.
Research Supervised - Ph.D./M.Phil. (Name of student and title):	
Other activities:	

Seminars/ Conferences / Workshops (organized/attended)	<p>Seminar Organized:</p> <ul style="list-style-type: none"> ➤ Organized a National Seminar on “Current Trends in Environmental Research” from 28 February - 2 March, 2015 at Department of Environmental Science, Maharaja Ganga Singh University, Bikaner (Rajasthan), India as Organizing Secretary. ➤ Organized a National Seminar on “Environmental Management and Technology” from 8-9 March, 2017 at Department of Environmental Science, Maharaja Ganga Singh University, Bikaner (Rajasthan), India as Organizing Secretary. <p>Conferences Attended:</p> <ul style="list-style-type: none"> ➤ Kaur, L., Gadgil, K., Sharma, S. Catalytic effect of acetic acid on lead uptake by Lemna minor. In: Proceedings of National workshop on Catalysis-Futuristic materials as catalysts & adsorbents, 18-20 Feb., 2008, IMMT, Bhubaneswar, pp. 32-39. ➤ Kaur, L., Gadgil, K., Sharma, S. Phytoremediation using Lemna minor for the removal of lead from wastewater. In: Proceedings of 23rd International Conference on Solid Waste Technology & Management, 30 March-2 April, 2008, Philadelphia, USA, pp. 1252-1267. ➤ Kaur, L., Gadgil, K., Sharma, S. Phytoremediation: An environment friendly technique for heavy metal removal. National Symposium on Contemporary Environmental Problems & Biotechnological Applications in their Management, 7-8 March, 2008, SES, JNU, New Delhi, pp. 37. ➤ Kaur, L., Gadgil, K., Sharma, S. Phytoaccumulation of nickel from contaminated water by duckweed (Lemna minor). Abstract ICER 2008, International Congress of Environmental Research, BITS-Pilani (Goa campus), Goa (India), 18-20 Dec., 2008, pp. 350. ➤ Kaur, L., Gadgil, K., Sharma, S. Phytoremediation in waste management. National Seminar on Climate change issues and mitigation properties, 28 Feb-2 March, 2009, Bhubaneswar (Orissa). ➤ Kaur, L., Gadgil, K., Sharma, S. Various phytoremediation mechanisms for heavy metal removal. In: Abstracts of International Conference on Nurturing Arid Zones for People and the Environment: Issues and Agenda for the 21st Century, 24-28 November, 2009, CAZRI, Jodhpur (India), pp. 295. ➤ Kaur, L., Gadgil, K., Sharma, S. Effect of chelants in removal of lead and nickel from contaminated water by duckweed phytoremediation. In: ICAER 2011 abstracts. International conference on Advances in Ecological Research, 19-21 December, 2011, Maharaja Ganga Singh University, Bikaner (Rajasthan), India, pp. 107. ➤ Kaur, L. Communicative skill approaches in language teaching. In: Souvenir. National symposium on interrogating new worlds of English language teaching, 24-25 February, 2012, Maharaja Ganga Singh University, Bikaner (Rajasthan), India, pp. 31. ➤ Kaur, L. Addressing the needs of higher education: Does standardization work? National Conference on “Reshaping India’s higher education landscape for the global environment”, 6 Nov., 2012, Govt. College of Engineering and Technology, Bikaner. ➤ Kaur, L. Impact of climate change on human health. In: Abstract- Rajasthan Conclave-2, 21-23 September, 2014, Desert Medicine Research Centre, Jodhpur (Rajasthan).
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- Kaur, L. and Ramanathan, A.L. Hydrogeochemistry of surface and subsurface water of Kailana lake region, Jodhpur (Rajasthan). In: Abstract. National Seminar on Current Trends in Environmental Research, 28 February - 2 March, 2015, Maharaja Ganga Singh University, Bikaner (Rajasthan), India, pp. 28.
- Charan, P.D., Kaur, L., Chhangani, A.K., Sharma, S., Meena, M.K., Vashishtha, A. Suspended particulate matter in ambient air of Bikaner city, Rajasthan. In: Abstract. National Seminar on Current Trends in Environmental Research, 28 February- 2 March, 2015, Maharaja Ganga Singh University, Bikaner (Rajasthan), India, pp. 42.
- Kaur, L. A mini-review on traditional knowledge of tribal communities and environment. In: Abstract. National Seminar on Marginal Societies in Rajasthan, 30-31 March, 2015, Maharaja Ganga Singh University, Bikaner (Rajasthan), India, pp. 44-45.
- Participated in National Seminar on Recent innovations in technical terminology and biodiversity, 11-12 August, 2015, Desert Regional Centre, Zoological Survey of India, Jodhpur (Rajasthan), India.
- Kaur, L. Application of remote sensing in wildlife management. In: Abstract. National Seminar on Faunal diversity of the desert ecosystem, 11-12 March, 2016, Desert Regional Centre, Zoological Survey of India, Jodhpur (Rajasthan), India, pp. 127.
- Kaur, L. Tolerance and accumulation of lead by fenugreek. In: Abstract. National Seminar on Agriculture Resource Management for Sustainability and Eco-Restoration, 11-13 March, 2016, ICAR-Central Institute for Arid Horticulture, Bikaner (Rajasthan), India, pp.134.
- Kaur, L. Chipko movement (1730 AD): The pioneer of environmental movement. National Seminar on “Aajadi se pehle ka Rajasthan”, 17-18 March, 2016, Rajasthan Archives, Bikaner (Rajasthan), India, pp.
- Kaur, L., Srivasatava, A., Rathore, D.S., Saran, R., Godara, P. Fluoride contamination of ground water in Rajasthan: Source, impact and mitigation. In: Abstract. National Symposium on geogenic contamination of ground water: its impact and mitigation strategies, 22 April, 2016, TERI University, New Delhi (India), pp.7.
- Kaur, L., Ramanathan, A.L. Assessment of major ion chemistry in ground water and surface water of Kailana Lake Area of Jodhpur (Rajasthan). In: Abstract. National Symposium on geogenic contamination of ground water: its impact and mitigation strategies, 22 April, 2016, TERI University, New Delhi (India), pp.70.
- Kaur, L. Contribution of ecotourism in sustainable development. In: International seminar on social concern of tourism, 9-10 September, 2016, LBS (P.G.) College, Jaipur (India).
- Kaur, L. Environmental value education: Need of the hour for sustainable future. In: Abstract. National Seminar on National Education Policy 2016: Issues, Challenges and Suggestions, 17 October, 2016, Maharaja Ganga Singh University, Bikaner (Rajasthan), India.
- Kaur, L. Health Impacts of air pollutants. In: National Seminar on Rajasthan Conclave-4, 12-14 November, 2016, Desert Medicine Research Centre, Jodhpur (Rajasthan).
- Kaur, L. Biochar: A potential technology for environmental cleanup. In: Abstract. National Seminar on Environmental Management and Technology, 8-9 March, 2017, Maharaja Ganga Singh University, Bikaner (Rajasthan), India, pp. 97.
- Kaur, L. Human migration, climate change and environment: interrelations and emerging challenges. In: Abstract. II National Seminar on Migration, Settlement, State formation and literature, 21-22 March, 2017, Maharaja Ganga Singh University, Bikaner (Rajasthan), India, pp. 21.
- Kaur, L. Role of women in environmental sustainability. In: International

	<p>Seminar on Women empowerment: Issues and Challenges, 23-24 March, 2017, Department of economics, J.N.V. University, Jodhpur (Rajasthan).</p> <p>Workshop Attended</p> <ul style="list-style-type: none"> ➤ Participated in National workshop cum seminar on “Indian energy scenario and energy security” organized by IIT Delhi on 22 January, 2008. ➤ Participated in Training program on “Water Management” organized by Central Ground Water Board, New Delhi from 30-31 March, 2008. ➤ Participated in Hands-on Training programme on “S-30 Cambridge Scanning Electron Microscope system” organized by IIT Delhi from 17-18 June, 2008. ➤ Participated in Training program on “Sustainable Solid Waste Management” organized by National Productivity Council, New Delhi from 26-27 August, 2009. ➤ Participated and completed the training program “Communication Connoisseur” with A+ grade by Harding University of Business & Swash, Jodhpur from May-June, 2004. ➤ Participated in National Workshop on Women’s Rights as Human Rights, 25 January, 2016, Maharaja Ganga Singh University, Bikaner (Rajasthan), India. ➤ Participated in National Workshop on “Climate change mitigation and adaptation in hot arid region”, 26 February, 2016, ICAR-CAZRI, RRS, Bikaner (Rajasthan), India. ➤ Participated in National Workshop on “Digital Marketing”, 24 September, 2016, B.J.S. Rampuria Jain College, Bikaner (Rajasthan), India. <p>Invited Lectures</p> <ul style="list-style-type: none"> ➤ Delivered Lecture entitled “Application of ANOVA in Research” on 08 January, 2016 at Ph.D. Course Work-2015, Phase I, Maharaja Ganga Singh University Bikaner. ➤ Delivered Lecture entitled “Methodology and Application of Analysis of Variance (ANOVA) in Research” on 02 September, 2016 at Ph.D. Course Work- 2015, Phase II, Maharaja Ganga Singh University Bikaner.
<p>Membership</p>	<ul style="list-style-type: none"> ➤ Member-Advisory Board, International Journal of Bioassays. ➤ Member-Advisory Board, International Journal of Chemical and Life Sciences. ➤ Member-Editorial Board, Bulletin of Microvita Research and Integrated Medicine (BOMRIM). ➤ Member-Editorial Board, Journal of Environmental and Social Sciences. ➤ Member-Editorial, Energy Environment and Health Conservation (EEHC) Journal. ➤ Life Member of National Environmental Science Academy (NESA), New Delhi. ➤ Life member of Society for Microvita Research and Integrated Medicine (SMRIM), Udaipur (Rajasthan). ➤ Member of International Society for Environmental Information Sciences, Saskatchewan, Canada. ➤ Life member of Environmental Mutagen Society of India, New Delhi. ➤ Life member of Indian Association of Soil and Water Conservationists, Dehradun. ➤ Fellow member of Academy of Environment and Life Sciences, Agra, Uttar Pradesh.
<p>Awards</p>	<ul style="list-style-type: none"> ➤ Qualified two times the UGC (University Grants Commission, New Delhi) - (Junior Research Fellowship) and NET (National Eligibility Test) for Lectureship in the subject Environmental Sciences conducted at all India level by <i>National</i>

	<p><i>Educational Testing Bureau</i> in June 2005 and December 2005.</p> <p>➤ Scholarship received UGC - SRF (Senior Research Fellowship) in July 2008.</p>
Others	<p>SPECIAL COURSES ATTENDED</p> <p>➤ Passed “Short-term course in Intensive training programme in Environmental Impact Assessment” from 13-18 February, 2017 at UGC-HRDC, Maharshi Dayanand Saraswati University, Ajmer (Rajasthan).</p> <p>➤ Passed “Refresher course in Environmental Studies” with ‘A’ grade held from 21 November-10 December, 2016 at UGC-HRDC, Jai Narain Vyas University, Jodhpur (Rajasthan).</p> <p>➤ Passed “Refresher course in Environmental Sciences” with ‘A’ grade held from 6 April - 1 May, 2015 at Academic Staff College, Jawaharlal Nehru University (JNU), New Delhi.</p> <p>➤ Passed “Orientation course” with ‘A’ grade held from 21 January-16 February, 2013 at Academic Staff College, Jai Narain Vyas University, Jodhpur (Rajasthan).</p> <p>➤ Passed “NIDM-WBI Comprehensive Disaster Risk Manage Framework” web-based course organized by the World Bank Institute National Institute of Disaster Management, New Delhi from 04 March to 04 April, 2008.</p> <p>➤ Passed “French (Basic-level I)” short term course under continu education programme held from August-November, 2008 in IIT Delhi.</p> <p>OTHER ACTIVITIES</p> <p>➤ Received performance appreciation certificate from the Vice-Chancellor for the services during the visit of Honorable President of India Smt. Pratibha Devisingh Patil and the Chancellor of the university Shri Shivraj V. Patil on the historical event of 1st Convocation Ceremony held on 18 November, 2011.</p> <p>➤ Received performance appreciation certificate from the Vice-Chancellor for the services during the visit of UGC-12 (B) committee and the Chancellor of the university Shri Kalyan Singh on the 2nd Convocation Ceremony held on 4 December, 2015.</p> <p>➤ Reviewer in reputed international journals such as International Journal of Phytoremediation, Journal of Hazardous Materials, Environmental Monitoring and Assessment, Environmental Progress, Journal of Herbs, Spices and Medicinal Plants, Annals of Plant Sciences and others.</p> <p>➤ External adjudicator for PhD thesis and PhD Viva-voce, “Bioremediation of different heavy metals through various cultivated and wild mushrooms”, Deepika Kunwer Chauhan, Bhagwant University, Ajmer (Rajasthan), 2016.</p> <p>➤ External adjudicator for M.Phil. Dissertation, “Study and survey of Biomedical waste from the selected OPD hospitals of Nanded Maharashtra”, Mushtaq Ahmad Dar, SRTM University, Nanded (Maharashtra), 2017.</p>

	➤ Duty in Convocation, Student union election, Flying squad, duty of Invigilator, Duties in university level conferences/seminars and Departmental nodal officer related duties.	
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