



Samir Bajpai

Career Objective	To be a good teacher.				
Summary of qualifications	Degree	Year	University	Discipline/Specialization	
	Ph.D.	2009	Pt. Ravishankar Shukla University Raipur	Civil Engineering / Environmental Engineering	
	M.Tech.	1997	IIT Kanpur	Civil Engineering / Environmental Engineering	
	B.E.	1987	Pt. Ravishankar Shukla University Raipur	Civil Engineering	
Research Topics	<p>Ph.D. [2009]: Pt. Ravishankar Shukla University, Raipur, Chhattisgarh, INDIA Topic: Study of Adsorption Characteristics of Some Heavy Metals on Some Soils from Chhattisgarh.</p> <p>M.Tech. (1997): Environmental Engineering, I I T Kanpur, INDIA. Dissertation: Treatment of Copper-Plating and Zinc-Plating Wastewaters from an Automobile Industry by Iron-Oxide-Coated Sand</p>				
Professional experience	Organisation Name & Address	Designation	Job Description	From	To
	National Institute of Technology Raipur	Professor	Teaching, Research, And Consultancy	April 2013	Till date
	National Institute of Technology Raipur	Associate Professor	Teaching, Research, And Consultancy	January .2006	April 2013
	Government Engineering College Raipur	Reader	Teaching, Research, And Consultancy	April 1993	December 2005
	Government Engineering College Bilaspur	Lecturer	Teaching, Research, And Consultancy	October 1990	April 1993
	Chandak, Sarda & Associates, Durg	Design Engineer	Structural Designs And Supervision	October 1987	September 1990
	Research Interests	<p>Environmental Engineering – Water, Wastewater Treatment, Environmental Management, Air pollution Monitoring & Modeling. Solid Waste Management.</p> <p><u>Ph.D. SUPERVISION:</u> 6</p> <p><u>M. TECH. THESIS GUIDED:</u> 4</p>			
Present Professional Responsibilities	<p>1. Member of State Technical Agency for Pradhan Mantri Gram Sadak Yojana by National Rural Roads Development Agency, Ministry of Surface Transport, GOI.</p>				

	<ol style="list-style-type: none"> 2. Member of State Technical Agency for National Rural Water Supply Scheme, Ministry of Rural Development, GOI. 3. Member of Expert Advisory Committee for Qualitative Improvement in Urban Water Supply Scheme Implemented by PHE Dept. of Govt. of Chhattisgarh. 4. Expert Member, City Technical Advisory Group for Jawaharlal Nehru Urban Renewal Mission. 5. Member, Chhattisgarh State Committee, Chhattisgarh State Centre of Institution of Engineers (I). 6. Expert Member for Evaluation of Research Project Proposals, Chhattisgarh Council of Science & Technology, Raipur. 7. Expert Member for Evaluation of Research Project Proposals, Ministry of Environment & Forest, Govt. of India. 8. Member, Interview Panels of several Engineering Colleges for selection of faculty. 9. Member, Expert Panel for Interviews, Staff Selection Commission Raipur. 10. Head, Training & Placement, NIT Raipur since 1997. 11. Head, Humanities & Social Sciences 12. Prof in charge Environmental Engineering Lab 13. Prof in charge "We Care – Go Green Club" 14. Nodal Officer for "Unnat Bharat Abhiyan". 				
Research Project	S. No.	Title of Project	Sponsored by	Amount	Status
	1.	Air Pollution Monitoring in Chhattisgarh Region	AICTE – TAPTEC	Rs. 15.00 Lakh	Completed
Recent Research Contribution	<ul style="list-style-type: none"> ▪ International journal papers: <p>2015-16</p> <ol style="list-style-type: none"> 1. Kruti B. Jethwa and Dr. Samir Bajpai. (2015) "Phosphorous Retention in Constructed Wetlands: A Review on Development and Research". International Journal for Scientific Research & Development Vol. 3, Issue 04, 2015 ISSN (online): 2321-0613 2. Tiwari M. K., Bajpai S., Dewangan U. K., and Tamrakar R. K. (2015) "Suitability of leaching test methods for fly ash and slag: A review". Journal of Radiation Research and Applied Sciences, Volume 8, Issue 4, pp 523-537 3. Tiwari M. K., Bajpai S., and Dewangan U. K. (2015) "An Analytical Study of Heavy Metal Concentration in Soil of an Industrial Region of Chhattisgarh, central India". International Journal of Scientific and Research Publications, Volume 5, Issue 7, pp 1-5 4. Tiwari M. K., Bajpai S., Dewangan U. K., and Tamrakar R. K. (2015) "Assessment of heavy metal concentrations in surface water sources in an industrial region of central India". Karbala International Journal of Modern Science, Volume 1, Issue 1, Pages 9-14 <p>2014-15</p> <ol style="list-style-type: none"> 1. Ahirwar A. V. and Bajpai S. (2014) "A Reduction in Environmental Degradation and Disaster Vulnerability through Sustainable Urban Planning" Proceedings of international conference: "Sustainable Development Conference 2014" Tomorrow People Organization, pp 16-23. (ISBN: 978-86-870-43-23-7) <ul style="list-style-type: none"> ▪ National journal papers ▪ International Conferences 				

	<ol style="list-style-type: none"> 1. Kruti B. Jethwaa and Samir Bajpai (2016). “. Role of Plants in Constructed Wetlands (CWs): A Review”. Proceedings of International Conference on Civil, Mechanical and Environmental Engineering Technologies (ICCMEET 2016) 26 & 27 February 2016, SVS College of Engineering, Coimbatore, India. Pp-29. 2. Ahirwar A. V. and Bajpai S. (2014) “A Reduction in Environmental Degradation and Disaster Vulnerability through Sustainable Urban Planning”. International conference on Sustainable Development 2014(SDC-2014) July 5-7, 2014 Bangkok, Thailand. 3. Manish Sacklecha and Samir Bajpai (India), 2014, “Valuation of Buildings with Greenness Perspective”. The XXV FIG International Congress 2014 "Engaging the Challenges, Enhancing the Relevance" in Kuala Lumpur, Malaysia 16-21 June, 2014. 4. Manish Sacklecha and Samir Bajpai (India), 2014, “Modeling Sustainable Building Construction for Optimal Use of Natural Resources”, Seventh International Conference on Environmental Science and Technology 2014, (June 9-13, 2014). American Academy of Sciences. Houston, Texas 77036, USA. <ul style="list-style-type: none"> ▪ National Conferences <ol style="list-style-type: none"> 1. Jethwa K, Bajpai S. (2016) “Constructed wetlands for municipal wastewater Treatment: A review”. International Conference on Recent Trends in Engineering and Material Sciences, organized by Jaipur National University, 17-19 March 2016.
Invited Guest Lectures	Several
Professional Contribution	<ul style="list-style-type: none"> ▪ Research and consultancy on environmental engineering related problems ▪ Design of pavements ▪ Design of concrete mixes
Membership of Professional Societies	<ul style="list-style-type: none"> ▪ Fellow member of The Institution of Engineers ▪ Life member of ISTE ▪ Member of Air & Waste Managemnt Association ▪ Life Member of Indian Association for Environmental Managemnt
Professional Strengths	<ul style="list-style-type: none"> ▪ Teaching, research, and consultancy experience of 26 years. ▪ Ability to handle projects independently.