

National and International Journal:

(i) Prasad MBK, Ramanathan AL, Shrivastava SK, Anshumali, Saxena R, (2006). Metal fractionation studies in surficial and core sediments in the Achankovil River basin in India. *Environmental Monitoring and Assessment*, 121: 77-102.

(ii) Anshumali, Ramanathan AL, (2007). Seasonal variation in the major ion chemistry of Pandoh Lake, Mandi District, Himachal Pradesh, India. *Applied Geochemistry*, 22:1736-1747.

(iii) Anshumali, Ramanathan AL, (2007). Phosphorus fractionation in surficial sediments of Pandoh Lake, Mandi district, Himachal Pradesh, India. *Applied Geochemistry*, 22: 1860-1871.

(iv) Anshumali, A. L. Ramanathan, Gurdeep Singh, Gurmeet Singh, Rajesh Ranjan, Parijat Tripathi (2009). Chemodynamics of trace metal fractions in surface sediments of the Pandoh Lake, Lesser Himalaya, India. *Environmental Geology*, 57: 1865-1879.

(v) A.T. Surendra, Anshumali, Gurdeep Singh, (2009). Prediction of plant species diversity by log-linear and power function models along the east coast region of India. *Tropical Ecology*, 50(1).

(vi) Tripti, Vipin Kumar, Anshumali, (2012). Phosphate solubilising activity of some bacterial strains isolated from chemical pesticide exposed agricultural soils. *International Journal of Engineering Research and Development*, 3(9): 1-16.

(vii) Dora, S. L. Maiti S.K., Tiwary, R.K., Anshumali, 2010. Algae as an indicator of river water pollution: A review. *The Bioscan*, 2: 413-422.

(viii) Anshumali, Rani M., Yadav S., Kumar A., 2012. Impact of Mining activities and Allied Industries on Geochemistry of Govind Ballabh Pant Sagar, Northern Coalfield, India. *Jour. Ind. Geol. Cong.* 4: 1-7.

(ix) Anshumali, Rani M., Yadav S., Kumar A., 2012. Geochemical alterations in surface waters of Govind Ballabh Pant Sagar, Northern Coalfield, India. *Environ Earth Sci* DOI 10.1007/s12665-013-2706-3.

International Conference:

(i) Kumari N, Anshumali, Singh G, (2007). Impact of coal mining on ponds of Jharia Town, Dhanbad, Jharkhand. In: Singh G, Laurence D, Dutt KL, (Editors), *Proceeding of First International Conference on MSECCMI*, New Delhi, India, 121-127.

(ii) Anshumali, AL. Ramanathan, Gurdeep Singh, (2009). Geochemical fractionation of trace metals in the surface sediments of Achankovil River, Kerala, India. In: *International Symposium on Environmental Pollution, Ecology and Human Health*, July 25-27, 2009, S. V. University, Tirupati, India.

(iii) Anshumali, AL. Ramanathan, G. Singh, R. Ramesh, V. Kannan; R. Elumalai, (2009). Estimation of sedimentation rate by radiometric techniques in the oligotrophic lake, Lesser Himalaya, India. In: *International Symposium on Mineralogy, Environment and Health*, UMLV, Paris, 17-18 September, 2009.

(iv) Anshumali et al., (2011). Microbial enzyme assay as a surrogate measure of soil microbial activity in Jharia Coal Field, India”. In: 26th International Conference on Solid Waste Technology and Management during March 27 – 30, 2011 at Philadelphia, PA U.S.A.

(v) Anshumali, (2011). Ecological amplitude of five tropical deciduous species in restoration of mined out areas in Jharia Coalfield, India. In: Golden Jubilee International Conference on Technological Challenges and Management Issues for Sustainability of Mining Industries (TMSMI 2011), 4th to 6th August, 2011 at N. I. T. Rourkela.

(vi) S.K. Yadav, M. Rani, Anshumali, (2011). Geochemistry of Arsenic in Indo-Gangetic Plain: A Review. In: 14th International Conference of International Academy of Physical Sciences (CONIAPS-XIV), Sardar Vallabhbhai National Institute of Technology, Surat, December 22-24, 2011.

(vii) Anshumali, P. Tripathi, (2012). Arsenic enrichment in groundwater of the Middle Gangetic Plain, India. In: The Fifth International Scientific Conference BALWOIS 2012, Ohrid, Republic of Macedonia, 28th May to 2nd June 2012.

(viii) Shruti Mishra, Chandravir Narayan, Anshumali, Vipin Kumar, (2012). The study on phytosociology of plant species in tropical dry deciduous forests of Jharia Coalfield, Jharkhand, India. In: International conference on Anthropogenic Impact on Environment and Conservation Strategy November 2 – 4, 2012, Organised by Department of Biosciences, St. Xavier’s College, Ranchi In collaboration with National Environmentalists Association, India, Ranchi, Jharkhand.

(ix) Tripti, Vipin Kumar, Anshumali, (2012). Bio-formulation and Shelf-life Studies of Phosphate Solubilizing Inoculants in Different Carriers In: International conference on Anthropogenic Impact on Environment and Conservation Strategy, November 2 – 4, 2012, Organised by Department of Biosciences, St. Xavier’s College, Ranchi In collaboration with National Environmentalists Association, India, Ranchi, Jharkhand.

National Conference:

(i) Anshumali, Ramanathan, AL., (2008). Physical fractionation of trace metals in surface sediments of the Pandoh Lake, Lesser Himalaya, India. In: Choubey V.K., Singh R.D., Singh O., Sharma M.K., (Editors), Proceeding of National Seminar on “Conservation and Restoration of Lakes (CAROL, 2008), Nagpur, India, 257-266.

(ii) Anshumali, (2011). Ecological Blueprint of Plantation in Mining Sectors: an Implication in Biodiversity Conservation and Climate Change. In: National Conference on Landscape Restoration Processes Challenges and Opportunities, 22-23 February, 2011, FRI, Dehradun.

(iii) Anshumali, A. Kumar, M. Rani, S. Yadav, S. P. Singh, (2012). Impact of coal mining and allied industries on geochemistry of Govind Ballabh Pant Sagar, Northern Coalfield, India. In: National Conference on Green Earth, October 18-19, 2012, Organised by Indian geological Congress and Wadia Institute of Himalayan Geology, Dehradun.

(iv) Tripti, Vipin Kumar, Anshumali, (2012). Evaluation of pesticide tolerance capability of phosphate solubilising bacterial (PSB) strain. In: 2nd National Conference on Antimicrobial Resistance: A Cause for Global Concern, 6-8 February, 2012, Sam Higginbottom Institute of agriculture Technology & Sciences, Allahabad, Uttar Pradesh.

(v) Sanjay Kumar Yadav, Manisha Rani, Anshumali, (2012). Impact of Industries on Groundwater Hardness: A Review. In: National Conference on Sustainable Development of Groundwater Resources in Industrial Regions (SDGRIR 2012), March 22 -23, 2012 Department of Environmental Science & Engineering, ISM, Dhanbad, Jharkhand.

(vi) Tripti, Vipin Kumar & Anshumali, (2012). Contamination of Groundwater By Pesticide And Its Bioremediation-A Short Review. In: National Conference on Sustainable Development of Groundwater Resources in Industrial Regions (SDGRIR 2012), March 22 -23, 2012 Department of Environmental Science & Engineering, ISM, Dhanbad, Jharkhand.

(vii) Manisha Rani, Sanjay Kumar Yadav, Anshumali, (2012). Salinization as Ground Water Pollution in India: A Review. In: National Conference on Sustainable Development of Groundwater Resources in Industrial Regions (SDGRIR 2012), March 22 -23, 2012 Department of Environmental Science & Engineering, ISM, Dhanbad, Jharkhand.

(viii) Sanjay Kumar Yadav, Manisha Rani, Anshumali, (2012). Impact of mining on plant diversity of Northern Coalfield, Singrauli (M.P.), India. In: National Seminar on Biodiversity: Its Conservation & Sustainable Development for Human Welfare, 7-9 April, 2012 Department of Zoology, Vinoba Bhave University, Hazaribag, Jharkhand.

Books published /Chapters contributed

(i) Parijat Tripathi, AL. Ramanathan, Pankaj Kumar, Anshumali, P. Bhattacharya, R. Thunvik & J. Bundschuh, (2009). Chapter 20: Arsenic distribution in the groundwater of the Central Gangetic plains of Uttar Pradesh, India. In: Natural Arsenic in Groundwaters of Latin America. (Editors: J. Bundschuh, M.A. Armienta, P. Birkle, P. Bhattacharya, J. Matschullat, A.B. Mukherjee), CRC Press/Balkema, Taylor & Francis Group, pp 215-224.

(ii) Chitrlekha, Anshumali, Singh G., (2009) Biogeochemistry of Arsenic in Environmental Samples. In: Singh L, (Editor), New Dimensions in Environmental Geography, Tara Prakashan, Bodh Gaya.

(iii) Anshumali, 2012. Chapter 1: Ecological Blueprint of Plantation in Mining Sectors: an Implication in Biodiversity Conservation and Climate Change. In: Landscape Fragmentation and Restoration Researches in India (Editor: Prafulla Soni & Lal Singh), LAP LAMBERT Academic Publishing, AV Akademikerverlag GmbH & Co. KG, Heinrich-Bocking-Str. 6-8, 66121 Saarbrücken, Deutschland / Germany, pp 5-19.

List of Consultancy and R&D Projects

S. No.	Project Title	Name of Client	Role	Details of work Done	Remarks
1	Baseline study of Bagjata and Bhandurang Uranium Mine Deposit in Jadugoda, Jharkhand, India.	BRNS, DAE, 2009	CI	Radiological Analysis in Dietary Components, Soil Survey and Analysis	Completed
2	Regional Development Programme of Angul-Talcher Areas of Orissa, India.	OSPCB, 2007-2010	Team Member	Biodiversity Survey and Analysis, Soil Survey and Analysis	Completed
3	Preparation of EIA of Madhuban Coal Washery and Cluster-I, BCCL, Dhanbad	BCCL, 2010,	Team Member	Biodiversity Survey and Analysis, Soil Survey and Analysis	Completed
4	Preparation of EIA of Cluster-I, BCCL, Dhanbad	BCCL, 2010	Team Member	Biodiversity Survey and Analysis, Soil Survey and Analysis	Completed
5	Design of Particulate Emission Control System & Preparation of Environmental Management Plan for Coke Oven Plants in Dhanbad	Seven Individual Coke Oven Plants, 2010	Team Member	Monitoring of Stack Emission, Design Preparation for Emission control System, Preparation of Environmental Management Plan	Completed
6	Preparation of EIA of Dugda and Patherdih Coal Washery, BCCL, Dhanbad	BCCL, 2011	Team Member	Biodiversity Survey and Analysis, Soil Survey and Analysis	Completed
7	Preparation of Patherdih Coal Washery, BCCL, Dhanbad	BCCL, 2011	Team Member	Biodiversity Survey and Analysis, Soil Survey and Analysis	Completed
8	Study for compliance of Forestry Clearance Conditions in respect of Ghanoodih and Bera Projects of Bastacolla Area	BCCL, 2011	Team Member	Nutrient analysis, survey of native plant species, seeding per hectare, seed preservation, seed viability test, breaking of seed dormancy to arrest soil erosion, seeding of grass and legume mixtures, Preparation of Phased reclamation plan, Comprehensive Soil	Completed

				Conservation Plan and Measures	
9	Environmental Impact Assessment & Environmental Management Plan of Lagla-Mahal-Sand Mining Lease	TATA STEEL LIMITED 2007-11	Team Member	Biodiversity Survey and Analysis, Soil Survey and Analysis, Sediment Survey and Analysis	Completed
10	Environmental Impact assessment & Environmental Management Plan of Damodarpur-Palkiri Sand Mining Lease	TATA STEEL LIMITED 2007-11	Team Member	Biodiversity Survey and Analysis, Soil Survey and Analysis, Sediment Survey and Analysis	Completed
11	Environmental Impact assessment & Environmental Management Plan of Mahal-Saharjuri Sand Mining Lease	TATA STEEL LIMITED 2007-11	Team Member	Biodiversity Survey and Analysis, Soil Survey and Analysis, Sediment Survey and Analysis	Completed
12	Rapid comprehensive Environmental Audit of 4x250 MW Jindal STPP, Tamnar, Raigarh, Chattisgarh	Jindal Thermal Power Plant, 2011	CO-Investigator	Survey of STPP for evaluating the performance of various environmental components	Completed
13	Monitoring of Environmental Parameters in respect of Ambient Air, Noise, Stack Emission and Effluent of BTPS, Bokaro	BTPS, 2011	Team Member	Monitoring, collection and analysis of ambient air samples, stack emission and discharged effluent samples	Completed
14	Monitoring of Environmental Parameters in respect of Ambient Air, Noise, Stack Emission and Effluent of DVC, CTPS Unit 1,2,3, 7 & 8	DVC, CTPS, 2011	Principal-Investigator	Monitoring, collection and analysis of ambient air samples, stack emission and discharged effluent samples, preparation and compilation of report	Completed
15	Preparation of Environmental Statement of DVC, Bermo Mines	DVC, 2011	Team-Member	Monitoring, collection and analysis of ambient air samples, stack emission and discharged effluent samples	Completed
16	Environmental monitoring for Effluent discharge, stack	DVC, 2011	Team-Member	Monitoring, collection and analysis of ambient air samples, stack emission	Completed

	emission and ambient quality monitoring for DVC, CTPS			and discharged effluent samples	
17	Environmental Clearance of Duwagri Sand Lease	TATA STEEL, 2011	Team-Member	Biodiversity Survey and Analysis, Soil Survey and Analysis, Sediment Survey and Analysis	On-going
20	Regional Environmental Impact Assessment Study of Goa Region	MoEF, 2011	CI	Biodiversity Survey and Analysis, Soil Survey and Analysis, Sediment Survey and Analysis, Water Survey and Analysis	On-going
21	Generation of one season base line environmental data for Flora & Fauna Survey for 71 (Seventy One) mines of Eastern Coalfields limited distributed in 9 Clusters for preparation of EIA/EMPs as per TOR given by MOEF, Govt. of India.	CMPDIL, 2011	Principal-Investigator	Biodiversity Survey and Analysis	Proposal submitted

List of Consultancy and R&D Projects submitted

S. No.	Title	Amount	Funding Agency
1	Phosphorus fractionation in surface and core sediments: An Implication in Restoration and Conservation of Govind Ballabah Pant Sagar, Singrauli, M.P.	Rs. 29, 14, 000/-	MOES
2	Environmental role of proton donors in geochemical alterations of surface water and CO ₂ flux: An implication in restoration and conservation of GBPS Reservoir, Northern Coalfield, India.	Rs. 47.771 lakh	DST