

C V of Dr. Prasoon Kumar Singh

Name and Designation	<p>Dr. Prasoon Kumar Singh <i>Associate Professor,</i> Department of Environmental Science & Engineering (Centre of Mining Environment) Indian School of Mines , Dhanbad - 826004 Phone – (0326)-2296624, 2235415 (O) 09431711057 (R) Fax – (0326) 2296624/2210028/2203042/2203080/2206319 E-mail: pks0506@yahoo.co.in</p>
Date of Birth	June 5 th , 1964
Qualification:	<p>M. Sc. (Geology), Patna University M. Tech. (Environmental Science & Engineering), ISM, Dhanbad Ph.D., VBU, Hazaribag</p>
Specialization:	Environmental Geology, Env. Hydrogeology, Remote Sensing & GIS. and Noise Pollution,
Research Interest	<ul style="list-style-type: none"> • Geo-environmental studies in mining & industrial areas. • Noise quality management in mining & industrial areas. • Hydro geological problems related to environment in mines & industry.
Research Publication: <i>(A list of research papers published in refereed journals is given below.)</i>	<ul style="list-style-type: none"> • International & National Journal : 53 • International Conferences : 31 • National Seminar/ Conferences : 36 • National Journal on Environment in Hindi: 5 • National Seminar on Environment in Hindi: 9
<p>Research Guidance</p> <ul style="list-style-type: none"> ◆ Ph.D . in Env. Sc. & Engg: ◆ Ph D Completed - Five PhD Ongoing - Twelve (in the field of Land use Planning & Management & in the field of Groundwater Resource Evaluation & Management) ◆ M Tech (Env. Sc. & Engg.) dissertation M.Tech. – Completed- Fifteen M. Tech. –Ongoing -Three (in the field of Groundwater Quantity Assessment & Groundwater Quantity Assessment) ◆ M. Sc.(Environmental Science) Two – Completed - (in the field of Groundwater Quality & Quantity Assessment) 	
Membership of Professional Bodies	<ul style="list-style-type: none"> • Member of International Association Of Hydrological Sciences (IAHS), Institute of Hydrology. Wallingford, Oxfordshire, U.K.; Membership No. – 6094. • Life Member of the Indian Association of Hydrologists, Roorkee (LM-1663). • Fellow of the Society of Earth Scientists, Lucknow, and Fellowship no. is F/272.

	<ul style="list-style-type: none"> Life Membership of Indian Geological Congress (LM – 811). Life Membership of the Mining, Geological and Metallurgical Institute of India (MGMI), Kolkata (LM-10211). NABET-QCI accreditation for preparation of EIA as Functional Area Expert for Geology, Landuse & Hydrogeology.
Honors/ Awards	<ul style="list-style-type: none"> <i>Prize Book Award</i> for Securing Top Position in M.Sc (Geology) Examination form Patna University, Patna. Best paper award in <i>Environmental Impact & Risk Assessment</i>. At NEERI, Nagpur, 1995.

CONFERENCES CONDUCTED- As a Convener

S. No.	Details of Course	Institution & Place	Period	Total Duration (Days)
2	Sustainable Development of Groundwater Resources in Industrial Region	ISM Dhanbad	March 22-23, 2012	2
3	Recent Approaches to Water Resources Management	ISM Dhanbad	December 09-10, 2013	3

TRAINING PROGRAMME CONDUCTED – As a Course Coordinator

S. No.	Details of Course	Institution & Place	Period	Total Duration (Days)
2	Evaluation of Water Resources and Its Management	ISM Dhanbad	December 10-12, 2012	3
3	Management and availability of water resources near mining and industrial areas	ISM Industry Institute Interaction Facility, Kolkata	December 28-30, 2015	3

RESEARCH & DEVELOPMENT PROJECT – As a Project Investigator

S. No	Project Title	Name of the Sponsorer	Role of Assesses	Amount (in Lakhs)	Details of the Work
1	Estimation of aquifer potential in Jharia coal mining region with suitable techniques to improve the recharge Project No.: MoWR(3)/2012-13/308/ESE	Ministry of Water Resources, New Delhi	PI	28.547	Ongoing
2	Assessment of groundwater level fluctuations with respect to changing patterns of rainfall in Jharia coal mining region Project No.: UGC(79)/2012-13/318/ESE	University Grant Commission, New Delhi	PI	9.25	Submitted

LIST OF PH.D.SCHOLARS

S. No	Student's Name	Title	Status	Role
1	Ruchi Singh	Impact of Mining and Urbanization on Land use and Vegetation Diversity in Angul-Talcher Region, Orissa	Awarded. in Feb 2012	Guide
2	Dipanwita Bhagat	Groundwater resource evaluation and its qualitative assessment in Jharia Coalfield region, Jharkhand	Awarded. in Feb 2013	Guide
3	P.N Singh	Study of water resources and its management in and around the Ranchi Township area in Jharkhand, India.	Awarded. in April 2016	Guide
4	Mukesh Kumar Mahato	Quantitative and Qualitative assessment of water resources with contaminant transport modeling of East Bokaro Coalfield Area.	Awarded. in April 2016	Guide
5	Ashwani Kumar Tiwari	GIS based aquifer vulnerability assessment & Qualitative analysis of water resources in a coal mining area, Jharkhand	Awarded. in April 2016	Guide
7	Anjani Kumar	Evaluation of mine water & Development of suitable techniques for ascertaining its suitability for proper management in Jharia coal mining region, Jharkhand	Started from 25.09.2012	Guide
8	Binay Kumar Panigrahy	Assessment of groundwater level fluctuation with respect to recharge in Jharia Coalfield region, Jharkhand	Thesis submitted for evaluation	Guide
9	Ritu Ranjan Sinha	Evaluation of infiltration behavior & assessment of water poverty index in an around Dhanbad Jharia Township area, Jharkhand, India	Started from 29.04.2013	Guide
10	Poornima Verma	Assessment of Hydro geochemistry of Water Resources & Development of Contamination Index for Bokaro District.	Started from 24.07.2013	Guide
11	Sujata Gupta	Impact of Mining & Allied activities on Landuse/Landcover and Forest Vulnerability in East Bokaro Coalfield region of Jharkhand		Guide
12	Rajkumar Prasad Verma	Computational Modeling of Groundwater Flow for Underground Coal Gasification	28.01.2014	Guide
13	Madhu Kumari	Evaluation of Conventional and Non-conventional Energy Resources and Assessment of its Environmental Impact in Ranchi Township Area, Jharkhand	16.04.2014	Guide
14	Parveen Purty	A GIS based approach for Watershed Management and Delineation of Potential Run-off/Rainwater Harvesting Sites in part of East Singhbhum district, Jharkhand, India	11.7.2014	Guide

15	Pradeep Kumar Thopte	Impact of assessment of water resources on modelling of water pollution parameters in and around industrial areas of Asansol, West Bengal, India	4-03-15	Guide
16	Nishi Kant	Eco hydrological effects of landscape pattern and determination of health risk assessment with reference to heavy metals in the drinking water of Jamshedpur Township Area Jharkhand, India	17.7.2015	Guide
17	Abhilash Chandra Mohanpuriya	Groundwater prospective zone mapping and hydrological inferences from watershed analysis and its management using remote sensing and GIS in part of Ranchi district , Jharkhand India	17.7.2015	Guide

LIST OF M.TECH STUDENT GUIDED

S.No.	Student's Name	Title	Status	Role
1	Babu Siddharth Sankar Biswal	Impact of Mining and Ancillary Industry on Environmental Hydrogeology in Angul-Talcher-Meramundali Region of Orissa.	Completed in 2008	Co-guide
2	Bitthal Upadhyay	Water Demand Management, Forecasting and Qualitative Assessment in and around ISM University	Completed in 2009	Guide
3	Sneha Gautam	Assessment of Aquifer potential of Dhanbad township area and designing of rooftop rainwater harvesting structure in CME campus, ISM	Completed in 2010	Co-guide
4	Anoj Kumar Choudhary	Identification & assessment of fire affected families in fire prone area of the Jharia Coalfield, Dhanbad district, Jharkhand	Completed in 2010	Guide
5	Ramakant Gadhewal	Computational Fluid Dynamics analysis on Beehive Coke Oven	Completed in 2011	Guide
6	Ravi Makawana	Impact of Mining and Urbanization on Landuse in Jharia Coalfield region	Completed in 2012	Guide
7	Arun Kumar	Assessment of Climatic factors and Water Level Fluctuations in and around ISM Campus.	Completed in 2012	Guide
8	Udit Kumar Sao	Hydrogeological investigation in an around Bastacolla coal mining area, Jharkhand	Completed in 2013	Guide
9	Ansu Rakesh	Geo environmental studies in an around singra mining area of Jharia coalfield using Remote Sensing & GIS	Completed in 2013	Guide
10	Subash Chandra	Evaluation of Hydrogeological Factors their association and relationship with Water Level Fluctuation of Dhanbad District, Jharkhand	Completed in 2014	Guide
11	Meena Kumari	Flow properties of Flyash and its derivatives for their bulk utilization in Mining Sector	Completed in 2014	Co-guide
12	Supriya Kumari	Impact of Climate Change on Ground Water resources, near IB Valley Coalfield, Jharsuguda, Odisha	Completed in 2015	Guide

13	Isha Medha	Groundwater zone mapping and management through modeling in the municipal area of Dhanbad District, Jharkhand	Completed in 2015	Guide
14	Nirmalendu Sekhar Mishra	Evaluation of Water Poverty in the Dhanbad-Jharia Urban Area, Jharkhand	Completed in 2016	Guide
15	Sumanta Kumar Biswal	Evaluation of water quality pollution indices for part of Bokaro District	Completed in 2016	Guide



(Dr. P. K. Singh)