



St. Xavier's College

Dr. Camil Bulcke Path, Ranchi

Faculty Profile

Name of Faculty Member	:	Dr. Pipas Kumar
Gender	:	Male
Email ID	:	pipasx2@gmail.com
Name of Department	:	Department of Zoology
Designation	:	Assistant Professor
Level of Teaching	:	Undergraduate and Postgraduate
Academic Qualification	:	M.Sc. (Environmental Science), Ph.D. (Environmental Science)
Total Teaching Experience	:	8 Years and 9 Months
UGC NET/SET Qualified	:	Yes

Brief Profile:

Ph.D. in Environmental Science with expertise in climate change scenario, hydrologic modeling, watershed management, water quality modeling, environmental sociology and Geographical Information System

Prior to teaching, worked as an Environmental Specialist in M/s Spatial Decision, New Delhi in diverse areas of EIA (Environment Impact Assessment), Social Impact Assessment) studies, Water Resource Management, Energy Efficiency Measures, Alternate Energy Sources, Preparation of Master Plan for Sewerage and Drainage, Biodiversity, Wetland Conservation. Worked on many internationally funded projects in India, including projects supported by JICA, JBIC, CIDA Inc, Asian Development Bank, and the World Bank.

Research Papers Published:

- 1) Kumar, P., & Joshi, V. (2019), **Modelling surface run-off response using hydrological model SWAT in the upper watershed of river subarnarekha, India**, Earth Science Malaysia. 3(2),9-15.
- 2) Kumar, P., & Joshi, V. (2019), **A geostatistical approach to delineate priority area of upper watershed of River Subarnarekha using morphometric assessment framework**, Malaysian Journal of Geosciences. 3 (1), 01-11.
- 3) Kumar, P., & Joshi, V. (2015), **Characterization of hydro geological behavior of the upper watershed of River Subarnarekha through Morphometric analysis using Remote Sensing and GIS approach**. International Journal of Environmental Sciences, 6 (2), 429- 447.
- 4) Kumar, P., & Joshi, V. (2015), **Applications of Hydrological Model SWAT on the Upper Watershed of River Subarnarekha with Special Reference to Model Performance and its Evaluation**. Journal of Basic and Applied Engineering Research, 2 (13), 1128-1134.

Participation in UGC-HRDC Course/FDP/OC/RC:

- 1) Short Term Course on Remote Sensing on the theme "**Remote Sensing Applications for Skill Development in light of NEP-2020**" scheduled to be held from 24th June 2022 to 30th June 2022, organized by Centre for Professional Development in Higher Education (CPDHE), UGC-HRDC, University of Delhi.
- 2) Online Faculty Induction Programme from 21.10.2021 to 19.11.2021 - UGC-HRDC, Kannur University, Kerala.
- 3) GIAN workshop on Hydrological Modeling- 14th-23rd December 2015, IIT Hyderabad.

Seminar/Conference attended/Paper Presented (National/International):

- 1) Oral presentation at 5th International Conference On "**Recent Trends in Applied Physical, Chemical Sciences, Mathematical/Statistical and Environmental Dynamics**" (2nd and 3rd May, 2015), Jawaharlal Nehru University, New Delhi.
- 2) Oral presentation Two day National conference on **WATER, ENVIRONMENT & SOCIETY (NCWES - 2015)**, on 30th – 31st July 2015, at Hyderabad, India.

- 3) Oral presentation on **Recent Advances in Civil and Environmental Engineering (RACEE – 2016)**, (on February 25th-26th, 2016), at Department of Civil and Environmental Engineering, Birla institute of technology, Mesra, Ranchi.
- 4) Conference on '**CONGRESS ON URBAN GREEN SPACES**', It was held at India International Centre, New Delhi, conducted by Center for Urban Green Spaces, Aravali Foundation for Education from March 5th-7th, 2012.
- 5) Conference on "**NEW CHALLENGES-NEW OPPORTUNITIES in Environment**" 1st National level seminar was held in GGSIP University, Delhi, conducted by USEM on June 5th, 2012. It was on the occasion of world Environment Day
- 6) 7th International Conference on **Oil Science for Steel & Mining Industries**, Ranchi 7th International conference on Tribology for Steel; Mining Industries, on December 2nd-4th, 2010. It was organized by SAIL (Steel Authority of India), R & D Centre for Iron & steel. ICIT 2010 deals with various innovations in system machinery for enhancing the performance of Steel & Mining Industries.
- 7) **New Frontiers in Bio Fuels**: Delhi Technology, University, New Delhi International conference in bio fuel/ biodiesel was organized by Delhi Technology University, New Delhi, Mechanical Department, from January 18th-19th, 2010. The purpose of this conference was to bring latest trend in development in the areas of biodiesel, its emission and implication on environment.
- 8) Attended first **Disaster Management Training Camp** (11th Jan-16th Jan, 2007) organized by Center for Disaster Management Studies, Guru Gobind Singh Indraprastha University, (GGSIPU), Delhi, in Collaboration with Central Industrial Security Force (CISF).

[Dr. Pipas Kumar]