



# St. Xavier's College

Dr. Camil Bulcke Path, Ranchi

## Faculty Profile

<b>Name of Faculty Member</b>	:	<b>Dr. Rajeev Ranjan Shrivastava</b>
Gender	:	Male
Email ID	:	rajivranjansrivastava@sxcran.org
Name of Department	:	Department of Geography
Designation	:	Assistant Professor
Level of Teaching	:	Undergraduate and Postgraduate
Academic Qualification	:	M.A., M. Phil., Ph.D.
Total Teaching Experience	:	22 Years and 02 Months
UGC NET/SET Qualified	:	Yes

### Research Papers Published:

- 1) Rani U. & Shrivastava R. R. (2023): **Satellite-based analysis of land Use & land cover through several indices & K-means unsupervised classification in Bokaro District, Jharkhand**, *International Journal of Novel Research and Development (IJNRD)*, Vol 8, Issue 5, May 2023, pp418-pp424[ISSN 2456-4184]
- 2) Rani U.& Shrivastava R. R.(2023): **The Variation in mobility levels of motorized vehicles between the city and villages in Bokaro district of Jharkhand**, *Research Review Journal of Social Science*, Vol 3,No 1,Jan-June23pp44-53(ISSN 2583-2867)
- 3) Rani U.& Shrivastava R. R.(2022): **LULC Change detection through through NDVI and correialtion between NDVI and Land Surface Temperature in Bokaro district, Jharkhand**, *The Geographical Observer*, pp1-14 Vol.52 ISSN 0072-0925
- 4) Shrivastava R. R. & Rani U. (2020): **Emerging Cities and Urbanization in Jharkhand**, *International Journal of Research in Social Science*, Vol 10,Issue 1, January 2020,pp 360-374[ISSN 2249-2496]

- 5) Koirala L. & Shrivastava R. R. (2020), **Role of Self-Help Groups in Rural Development of Simdega**, *Remaking of Analisation*, Vol 5, issue 9, pp E32-E35[ISSN 2394-0344]
- 6) Koirala L. & Shrivastava R. R. (2020): **An Overview of Infrastructural Development Disparities Study in Simdega District of Jharkhand**, *The Goa Geographer*, vol 27, No 1, Dec 2020, pp1-pp10, [ISSN 0976-786X]
- 7) Shrivastava R. R. & Rani U. (2019): **Broad reflections of native tribes of Jharkhand from historical literature**, *The Goa Geographer*, Vol 26, No 1 Dec 2019, pp101-pp [ISSN 0976-786X]
- 8) Das R. & Shrivastava R. R. (2019) **Urbanization and its pressure on resources (A case study of Ranchi city)** on *Shrinkhla* vol 6 Issue 9 (part 1) May 2019. [ISSN No 2349-980X, UGCS No 40880].
- 9) Shrivastava R. R. & Meena A K (2018): **A Comparative Study of the History of Development of Tata Steel & Bokaro Steel Plants in Jharkhand**, *International Journal of Research in Social Science*, Vol 8, Issue 3, March 2018, pp 1313-1320[ISSN 2249-2496]
- 10) Chandra, S., & Shrivastava, R. R. (2016). **Impact study of surface coal mining on Land-use Land cover and its natural environment using the geospatial technique of Ara-Barughutu region, Ramgarh**. *Geographical Outlook*, XXIV, 23-33. [ISSN-0433-4515]
- 11) Shrivastava, R. R., & Chandra, S. (2015). **Study of Land Transformation using Geospatial Techniques: A temporal analysis of Ranchi Municipal Area, Jharkhand**. *Journal of the Foundation of Practising Geographers*, 20 (2), 16-30. [ISSN- 0975-3850]
- 12) Srivastava R. R. & Choudhary J. K (2015) **Disparities in the Agricultural Productivity in Deoghar District of Jharkhand: A Geographical Analysis**, *Journal of the Foundation of Practising Geographers*, 19 (2), PP 122-130. [ISSN- 0975-3850]
- 13) Choudhury J K & Shrivastava R. R., (2015): **Problems and Prospects of Agriculture A case study of Deoghar District (Jharkhand)** *Shrinkhla*, Vol-XI, Issue 11, July 2015pp7-pp12, [ISSN No 2349-980X, UGCS No 40880].
- 14) Shrivastava R. R. (2011) **Comparative Study of ST/SC Women through the lens of Occupational Participation in Jharkhand**, *International Journal of Research in Economics & Social Science*, Vo; 1, Issue 2 (Nov) pp216-234[ISSN 2249-7382]

- 15) Shrivastava R. R (2010), **Natural Disaster Management and Modern Geo Technique**, *Global Education Society and Development*, New Delhi, Vol 2. No-1
- 16) Shrivastava R. R (2010) **Water Harvesting in India**, *Third concept*, New Delhi, Vol 24 No.286. [ISSN-0970-7247]
- 17) Prajapati M.P. and Shrivastava R. R. (2006) **Problems & Prospects of Agricultural Development In Jharkhand**, *Geographical Outlook*, Ranchi University, Ranchi, Vol. XXII [ISSN-0433-4515]
- 18) Shrivastava R. R (2002) **Urbanization Its Salient Features with Special Reference to Jharkhand**, *Xavier Research Journal*, Ranchi Voi.1 No.1

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

- 1) November 03-17,2023 Participated and successfully completed **NEP 2020 Orientation and Sensitization Programme** under Malviya Mission Teacher Training Programme of UGC organized by Hansraj College University of Delhi.
- 2) November 22 - December 06, 2021, Participated and successfully completed 2 weeks Refresher Course on **Geography, Geographers and Geospatial Technologies: Impacting Physical Social and Gendered Spaces 2021**, conducted by Ramanujan college in collaboration with Kirori Mal College University of Delhi.
- 3) July 22-24,2020 Participated in 3 days Online FDP on **Digital Skill & Effective Teachings**, organized by University of Madras, Chennai On three days' workshop on Publishing Ethics and Research Methodology, Conducted by Jawaharlal Nehru University New Delhi.
- 4) August 12-14, 2020 Participated and attended 3 days' **workshop on Publishing Ethics & Research Methodology** organized by Jawaharlal Nehru University, New Delhi.
- 5) August 17-November 20 Participated in Online Course on **Basics of Remote Sensing Geographical Information System and Global Navigation Satellite System** (84 Hours) conducted by IIRS Dehradun.
- 6) July 13<sup>th</sup> - Aug 02<sup>nd</sup>, 2020 Participated and Successfully completed 21 days online **GIS Training Programme on QGIS** conducted by Dept. of Geography, School of Earth Science, Central University of Karnataka.
- 7) June 13-July 01 2020 Participated in Online Course on **Remote Sensing & GIS Technology and Applications for University Teachers & Govt Officials** conducted by IIRS Dehradun.

- 8) December 05-25,2011- Participated in Refresher course organized by Ranchi University, Ranchi.
- 9) April 06 - May 01, 2009 Participated in Refresher course in **Environmental Science** organized by Jawaharlal Nehru University, New Delhi.
- 10) December 05-25,2006- Participated in fresher course in **Geosciences** organized by Ranchi University, Ranchi.
- 11) May 03-30, 2002- Participated in 28<sup>th</sup> Orientation Programme organized by Ranchi University, Ranchi.

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

**A. International:**

- 1) Presented paper on Land use and land cover change and its impact on biodiversity: A study of Ramgarh Mining region, at International Geographical Union (IGU) Conference, Rohtak Haryana, March, 14-16<sup>th</sup>, 2013
- 2) Presented Paper in the second Symposium on the Geological Resources in the Tethys Realm Geological Society at **Aswan, Egypt** on A study of the Granitic Rocks of the Ichadag area in Ranchi plateau in eastern India, January, 05-08<sup>th</sup>, 2013

**B. National:**

- 1) Presented Research Paper entitled “**समस्तीपुर जिला मे जलवायु परिवर्तन का कृषि पर प्रभाव**” in XXIV Annual Conference and National Seminar, organized by AGBJ, Ranchi on 4<sup>th</sup>-5<sup>th</sup> November 2023.
- 2) Presented a Paper on **Freshwater Pearl Culture: A Blooming sector in Aquaculture Practices in India**, held on 22-23-24 September 2023 in International Conference on Environment Aquaculture and Sustainable Agriculture organized by Dept. of Botony, St. Xavier’s College, Ranchi in association with Durga National Education Trust, Bihar and International Foundation for Environment and Ecology, Kolkata in collaboration with Confederation of Indian Universities, New Delhi.
- 3) Presented Research Paper titled “**Impact of Agricultural Modernization: a brief view of Ranchi District**” in IIG Seminar at Ravenshaw University, Cuttack, Dec 2017

- 4) Presented research Paper titled **Socio-Cultural Characteristics of Santhal Tribes of Jharkhand** at ICSSR-funded National Seminar at Govt. College Tonk, Rajasthan on 25<sup>th</sup> Feb 2017.
- 5) Paper Presentation in the National Seminar on **Eco-Tourism for Natural Resource Management in the Hilly Area of Darjeeling** at St Xavier's College Ranchi on Sep 23-24<sup>th</sup> 2016.
- 6) Paper Presentation in the National Seminar on **Urbanization and its Pressure on Resources** at St Xavier's College Ranchi on Sep 23<sup>rd</sup> to 24<sup>th</sup> 2016.
- 7) Paper Presentation in the National Seminar on Urbanization and changing state of the environment at St. Xavier's College, Ranchi on "**State of Indian Slums and MDGs: An empirical case study of Jaipur and Ludhiana City**, September 24-25<sup>th</sup>, 2012.
- 8) Paper Presentation in the National Seminar on Urbanization and changing state of the environment at St. Xavier's College, Ranchi on "**Connecting rivers of Jharkhand: A sustainable water resource management**, September 24-25<sup>th</sup>, 2012.
- 9) Paper Presentation in 34<sup>th</sup> Indian Geography Congress, Patna on **Role on Mining Hazards in Developing Countries**, Nov 02<sup>nd</sup> to 04<sup>th</sup>, 2012.
- 10) Paper Presentation on UGC Sponsored National Seminar on Mineral Resources & Development of India with Special Reference to Jharkhand on the topic **Granitic Rocks of Chhuttupalu Area in Ranchi District, Jharkhand**, March, 2<sup>nd</sup>-3<sup>rd</sup> 2012.
- 11) Paper presentation in 30<sup>th</sup> Indian Geography congresses, Allahabad on **Role of Remote Sensing and GIS in Natural Disaster Management**, Dec 19-21<sup>st</sup>, 2008.
- 12) Presentation in the VI Annual Conference of Bihar and Jharkhand at Vinoba Bhave University, Hazaribag on **-Need for District Level Agricultural Planning in India**, Oct 9-10,2004.
- 13) Presentation in the "National Seminar on Natural Hazard", Ranchi- Role of GIS in **Natural Hazard Management in Hilly Regions**, Nov, 21-23<sup>th</sup> 2002.

**Book Authored/Chapter(s) in Book:**

**A. Book Authored:**

- 1) Shrivastava R. R., (2007) **Emerging Trends of cropping pattern in India** Academic Excellence, Delhi.

**B. Chapter in Book:**

- 1) Shrivastava R. R. and Rani U (March 2021), Book Title- **Covid-19 Pandemic- A Geo-Ecological Prospective**, Chapter- **Impact of Covid 19 Lockdown on air quality index of Kolkata city**; Published by- Foundation of Practicing Geographers Kolkata.pp 03-21.

**Experience of Ph. D. Guidance:**

**A. Ph. D. Awarded: 05**

- 1) Lochana Koirala - 27 May 2023: **"Levels of Regional Development and Planning in South Chotanagpur Division"**.
- 2) Rajeshree Das - 16 Feb 2023: **"Urbanization and its Temporal Pressure on Land Resources (A Case Study of Ranchi city)"**.
- 3) Sandeep Chandra - 09 Aug 2018 - **"Land Use and Land Cover Changes in the mineral Belt of Jharkhand: A Case Study of Ramgarh District (1992 to 2012)"**.
- 4) Jitendra Kumar Choudhary - 07 May 2018- **"Agricultural Development of Deoghar District of Jharkhand - A block level analysis"**.
- 5) Arpita Roy- 16 Dec, 2015- **"Impact of Urbanization on the agricultural land use of North 24 Paraganas, District of West Bengal"**.

**B. Ph. D. Submission Process: 02**

**C. Ph. D. Registered: 04**

**D. Ph. D. Registration (In Process): 04**

**Guest Lecture/Special Lecture:**

- 1) Delivered Lectures to trainee Deputy Collectors at Administrative Training Institute Ranchi at Shri Krishna Institute of Public Administration, Ranchi on Environmental studies, Biodiversity, solid waste management, From September 3-5, 2013 mentioned below:
  - 03/09/2013 - **Environmental Studies**
  - 04/09/2013 - **Biodiversity preservation and its importance**
  - 05/09/2013 – **Solid Waste Management in Urban areas**

- 2) Participated as a resource person and invited to deliver a lecture on Urban Water Supply Management and Sustainability: A Case Study of Ranchi City Indian Council of Social Science Research sponsored NATIONAL SEMINAR ON POPULATION, HEALTH AND ENVIRONMENT G. B. Pant Social Science Institute (A Constituent Institute of University of Allahabad) Jhusi, Prayagraj, Uttar Pradesh September 20-22, 2019
- 3) Participated as Key Note Speaker on Environment and Society at National Seminar on Environment and Society Concerning Social Sciences and Humanities at RKDF University Ranchi on November 25, 2021.

**Any Special Award/Achievement:**

- 1) Successfully Completed Minor Research Project of University Grants Commission entitled "**Degrading State of Environment in a growing city: A case study of Ranchi.**"
- 2) Active Life Membership of:
  - National Association of Geographers India (NAGI), LM NO 2034
  - Association of Geographers Bihar and Jharkhand (AGBJ), LM NO 257
  - Indian National Cartographic Association (INCA), LM NO 3133

[Dr. Rajeev Ranjan Shrivastava]