St. Xavier's College

Dr. Camil Bulcke Path, Ranchi

Faculty Profile

Name of Faculty Member	:	**Dr. Manoj Kumar Singh**
Gender	:	Male
Email ID	:	manojkumarsingh@sxcran.org
Name of Department	:	Department of Mathematics
Designation	:	Assistant Professor
Level of Teaching	:	Undergraduate and Postgraduate
Academic Qualification	:	M.Sc., Ph.D.
Total Teaching Experience	:	10 Years and 06 Months
UGC NET/SET Qualified	:	Yes

Research Papers Published:

1) "**Product and Commutators of Pseudo-differential Operators Involving Fourier–Jacobi Transform**" Prasad A.; Singh M., Communications in Mathematics and Statistics, Volume 10, Year 2020, Pages 67-84.

2) "**Composition of Pseudo-Differential Operators Associated with Jacobi Differential Operator**" Prasad A.; Singh M., Proceedings of the National Academy of Sciences India Section A - Physical Sciences, Volume 89, Year 2019, Pages 509-516.

3) "**Pseudo-differential operators involving fractional fourier cosine (Sine) transform**" Prasad A.; Singh M. Filomat, Volume 31, Year 2017, Pages 1791-1801.

4) "**Integral representations of pseudo-differential operator associated with the Jacobi differential operator**" Prasad A.; Singh M. Rendiconti del Circolo Matematico di Palermo, Volume 66, Year 2016, Pages 325-336.

5) "**Pseudo-differential operators associated with the Jacobi differential operator and Fourier-cosine wavelet transform**" Prasad A.; Singh M. Asian-European Journal of Mathematics, Volume 8, Year 2015.

6) "**The continuous fractional wave packet transform**", Prasad A.; Singh M.; Kumar M. AIP Conference Proceedings, Volume 1558, Year 2013, Pages 856-859.

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

1) Participated in the "**A Five-Day Online FDP on Discrete Mathematics**" organized by the Department of Mathematics, School of Advanced Sciences, Vellore Institute of Technology, Vellore, from 13 – 17, June, 2023.

2) Participated in Faculty Development Programme on "**National Education Policy 2020**" organized by Electronics and ICT Academy, IIT Roorkee from 5 June, 2023 to 9 June, 2023.

3) Participated in UGC-SPONSORED INTER/MULTI-DISCIPLINARY REFRESHER COURSE IN "**INFORMATION TECHNOLOGY**", HRDC, Ranchi University, Ranchi during 17 Jan. 2023 to 30 Jan. 2023.

4) Participated in UGC-SPONSORED "**SPECIAL WINTER SCHOOL-2016**", HRDC, Ranchi University, Ranchi during 02 Dec. 2016 to 22 Dec. 2016.

5) Participated in UGC-SPONSORED 78th "ORIENTATION PROGRAMME", UGC-ACADEMIC STAFF COLLEGE, Ranchi University Ranchi from 20/05/2014 to 6/06/2014.

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

1) Participated in the 1st International Conference on "**Advances in Novel Materials: Towards Sustainable Future (ICAN- 2024)**" from 20 Jan. 2024 to 22 Jan. 2024 and presented a paper titled "Extension of Fractional Fourier transform to Montel Spaces."

2) Participated in National Conference on "**HARMONIC ANALYSIS AND APPLICATIONS (NCHAA-2022)**" from 02 Dec. 2022 to 04 Dec. 2022.

3) Participated in Short Term Advanced Training Programme on "**INTEGRAL TRANSFORMATIONS, DISTRIBUTIONS AND WAVELET ANALYSIS**" during 14 Dec.

2015 to 18 Dec. 2015 organized by Department of Applied Mathematics, ISM, Dhanbad.

4) Participated in 80th Annual Conference of "**The Indian Mathematical Society**" during 27 Dec. 2014 to 30 Dec. 2014.

[Dr. Manoj Kumar Singh]