



Name: Dr. Utpal Pore

Designation: Assistant Professor in Mathematics and Statistics

Qualifications: M.Sc., Ph.D.

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Biographical Sketch

Education

- Ph.D. in Mathematics (March 2019): Pondicherry University
- M.Sc. in Mathematics (2012): Jadavpur University, Kolkata
- B.Sc. (Hons.) in Mathematics (2010): Jadavpur University, Kolkata

Honours and Awards

- Qualified Joint **CSIR-UGC NET** for Lectureship in Mathematical Sciences, December 2015 and June 2016.
- Qualified **GATE in 2015**
- Awarded the **INSPIRE Fellowship** by the Department of Science & Technology, Government of India, during the Ph.D. program.
- Selected as **Post-Doctoral Research Fellow at IISER Tirupati**, 2019.

Areas of Specialisation and Research

- Number Theory and Special Function, Ramanujan's Notebooks, q-series, Partition Theory, Modular Forms.

Teaching Experience

- St. Xavier's University, Kolkata, Assistant Professor in Mathematics, Department of Statistics under the Faculty of Science (10 May 2023- present).
- St. Xavier's University, Kolkata, Assistant Professor in Mathematics and Statistics under the Faculty of Commerce and Management (01 July 2019-May 09, 2023).

- Salesian College-Siliguri Campus, Assistant Professor in the Department of Mathematics (from July 2018 - June 2019).

Publications

Article published in Peer-reviewed journals

- (2017) “**Some congruences for partition functions related to mock theta functions $\omega(q)$ and $\nu(q)$** ”, New Zealand Journal of Mathematics, (S.N. Fathima and Utpal Pore), Vol. 47, P. 161-168, ISSN: 1179-4984.
- (2018) “**Some congruences modulo 2, 8 and 12 for Andrews' singular overpartitions**”, Note di Matematica, (Utpal Pore and S.N. Fathima), Vol. 38 (1), P. 101-114, ISSN: 1123-2536.
- (2021) “**Some Congruences for Andrews' Partition Function $\overline{\epsilon\theta}(n)$** ”, (Utpal Pore and S.N. Fathima), Kyungpook Mathematical Journal, Vol. 61 (1), P. 49-59, pISSN 1225-6951, eISSN 0454-8124.
- (2023) “**Some infinite families of congruences for t-core partition functions**”, Acta Mathematica Hungarica, (Utpal Pore and S.N. Fathima), Vol.- 170(1), 351-366. (Publisher: Springer)
- (2024) “**Modular forms and its application**”, The Proceedings Book of 7th Mediterranean International Conference of Pure & Applied Mathematics and Related Areas, Antalya, TURKEY, (Utpal Pore and S.N. Fathima), 332-340, ISBN: 978-625-00-1131-7.
- (2025) “**New Congruences for 2-Color Partitions and t-Core Partitions**”, Bol. Soc. Paran. Mat., (Utpal Pore, S. N. Fathima, M. A. Sriraj and P. Siva Kota Reddy), Vol.-43,1-9, ISSN-0037-8712.