

Publications

- Kansal A and Kumar A, (2023) Ideals in Haagerup tensor product of C*-ternary rings, Operators and Matrices 17, 731-748 (**SCIE**).
- Kansal A and Kumar A, (2023) Haagerup tensor product of C*-ternary rings, J. Math. Anal. Appl. 528, 127482 (**Q1, SCIE**).
- Kansal A, Kumar A and Rajpal V, (2023) Representations of C*-ternary rings, Comm. Korean Math Soc. 38, 123-135 (**SCOPUS**).
- Kansal A, Kumar A and Rajpal V, (2023) Inductive limit in the category of C*-ternary rings, Bull. Korean Math. Soc. 60, 137-148 (**SCIE**).
- Kansal A, Kumar A and Rajpal V, (2020) Inductive limit in the category of TRO, Ann. Funct. Anal. 11, 748-760 (**SCIE**).

Paper Presentation

- Presented the research paper titled **Representations of C*-Ternary Rings** at the **International Conference on Graphs, Networks and Combinatorics Organized** by Department of Mathematics, Ramanujan College, University of Delhi in January, 2023.
- Delivered a presentation of the research paper titled **Inductive limit in the Category of C*-Ternary Rings** at the **International Conference on Recent Trends in Mathematics** Organized by Department of Mathematics, Hansraj College, University of Delhi in December 2021.

Participation in International Conferences/Workshops/ Advanced Instructional School:

- **Teacher's Enrichment Workshop** on Algebra and Number Theory organized by Shiv Nadar Institute of Eminence, Greater Noida from February 5-10, 2024.
- **Advanced Instructional School** on Algebraic Geometry organized by **Indian Statistical Institute, Bangalore** from May 6- June 4, 2024.

Awards:

- Selected for **Post Doctoral Institute Fellowship 2024** of National Board of Higher Mathematics (**NBHM, Mumbai**).
- Selected for **Institute Post Doctoral Institute Fellowship (IPDF) 2024** of Indian Institute of Technology (**IIT, Hyderabad**).
- Selected for **PhD Scholarship 2016** from Southern Zone given by **NBHM, Mumbai**.
- Selected for **Junior Research Fellowship 2016** with **AIR 25** and of **CSIR, Delhi**.
- Received **Institution Merit cum Means (MCM)** scholarship all through my Masters.
- Selected for **PhD Scholarship 2014** from Northern Zone given by **NBHM, Mumbai**.
- Selected for **Integrated PhD Fellowship** of **IISER, Bhopal**.
- Secured **AIR 81** in **IIT JAM 2013**.

Other Responsibilities

- **Convenor, Placement Cell** at SPM College, University of Delhi (July 01, 2024 -Present).
- **Examiner** of the paper **Analysis, Algebra, and Mechanics** for the **B.Sc. Programme** (June 2024).
- Took on the position of **course coordinator** and played a pivotal role in designing and organizing the first and second iteration of short-term course on "**Building Mathematical Skills: Logic, Reasoning, and Aptitude**" at **Maitreyi College, University of Delhi**.
- Served as the **co-convenor** of the Symposium on **International Women in Mathematics Day**, where I played a key role in inviting esteemed speakers, including **Dr. Nikita Agarwal** from **IISER Bhopal** to discuss the life and works of female **Fields Medalist Maryam Mirzakhani**, and **Dr. Olena Vaneeva** from the **Institute of Mathematics of the National Academy of Sciences, Ukraine**.