

Dr. Mahak Sharma
Assistant Professor
Department of Mathematics
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DOB: 4th February 1982



Educational Qualifications

Ph.D. in Mathematics (2015)
Department of Mathematics, Thapar Institute of Engineering and Technology, Patiala (Punjab), India
PhD Thesis: Central and Class preserving automorphisms of finite p-groups
Ph.D. Supervisor: Prof. Deepak Gumber
Qualified U. G. C. (NET) in Mathematics (2005)
M.Sc. (Mathematics) – Department of Mathematics, Panjab University Chandigarh, India (2002-2004)
Bachelor of Science (with Mathematics) D.A.V. College Chandigarh, Sector 10, Chandigarh, India (1999-2002)

Teaching/Research Experience

- 24 March 2017 - Till Now
Assistant Professor in Department of Mathematics, GGDSD College, Chandigarh
Taught Algebra, Analysis, Plane and Solid Geometry
- 01 August 2015- 23 March 2017
Assistant Professor (Contractual) in Department of Mathematics, GGDSD College, Chandigarh
Taught Modern and Linear Algebra, Plane and Solid Geometry, Discrete Mathematics, Numerical Analysis
- 01 August 2006 – 31 July 2015
Lecturer/ Assistant Professor in Department of Applied Sciences, Institute of Engineering and Emerging Technologies, Baddi(H.P), India
- August 2005 – July 2006
Lecturer (Ad hoc) in Mathematics at IEET, Baddi(H.P), India

Areas of Interest

- Group Theory (Algebra)
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Journal Publications

- Mahak Sharma and Deepak Gumber (2013), "On central automorphisms of finite p-groups", *Comm. Algebra*, Vol 41 Issue 3, 1117 - 1122
- Deepak Gumber and Mahak Sharma (2015), "Class-preserving automorphisms of some finite p-groups", *Proc. Indian Acad. Sci. (Math. Sci.)*, 125(2), 181–186 .
- Mahak Sharma, Deepak Gumber and Hemant Kalra (2018) "Some finite p-groups with central automorphism group of non-minimal order" , *Journal of Algebra and its Applications*, 17(2) , 1850026-1 to 1850026-5
- Hemant Kalra, Deepak Gumber and Mahak Sharma (2021), "Some finite p-groups whose central automorphisms fixing the center element-wise are all inner" , *Publ. Math. Debrecen*, 98(3-4), 289-297

**Seminars/
Conferences/Symposiums
(Paper Presented)**

- Presented paper titled “Central automorphisms of p-groups” in International Conference on Algebra and its Applications held at Aligarh Muslim University from 20-22 Feb,2010.
- Presented Paper in the International Conference on Algebra and its Applications (ICAA-16) during November 12-14 at the Department of Mathematics, Aligarh Muslim University, Aligarh, India.
- Attended International Conference on Group Theory and Lie Theory (GT & LT-2012), March 19-21, 2012, Harish-Chandra Research Institute, Jhansi, Allahabad
- Participated in Discussion Meeting on Group Theory, May 8-11, 2014, IISER, Mohali.

**Refresher
Courses/Workshops/ Training
Programmes**

- **Refresher Course** in Mathematical Sciences from 15.01.2021 to 28.01.2021 organized by UGC- Human Resource Development Centre, Panjab University, Chandigarh
- **Orientation Course** by Ramanujan College, University of Delhi from 04.06.2020 to 01.07.2020 Ministry of Human Resource Development , Govt. of India
- Attended 7 Days **NSS Orientation Programme** from 25.11.2019 to 01.12.2019 at Institute for Development and Communication at Sector 38, Chandigarh
- Attended Three Day State Level Training Workshop from October 03-05,2018 on Massive Open Online Courses held under the aegis of State Project Directorate (RUSA) in collaboration with HRDC, Panjab University Chandigarh .
- Attended one week **Faculty Development Programme** (Instructional Skills Workshop) from 30.04.2018 to 05.05.2018 organized by GGSDS College, Chandigarh
- Attended **workshop cum Conference** on “Groups, Actions and Computations” held at Harish Research Institute, Allahabad from Sept 1-7,2010 organized by TIFR and ICTS.

Awards and Honours

- State Level NSS Award for Best NSS Programme Officer received on 24th September 2023 by NSS, Dept. of Higher Education, Chandigarh Administration, UT-Chandigarh

Administrative Experience

- NSS Programme Officer (June 2019- October 2023)
- Superintendent and Deputy Superintendent for Panjab University Examinations
- General Secretary of SD Aadarsh Foundation – NGO, GGSDS College (2021 onwards)
- Coordinator/Member of Blood Donation Camp (2005 onwards)
- Coordinator Red Ribbon Club (2017 – till now)

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