

## MADHURI KOHLI KAPOOR

**Mobile:** +91-7838624844

**Email:** [madhurikohli24@gmail.com](mailto:madhurikohli24@gmail.com)



### CAREER OBJECTIVE

To have a broad-based academic career including teaching, research and management responsibilities.

### ACADEMIC QUALIFICATIONS

Course	School/College	University/Board	Period	Percentage
<b>M.Sc. Mathematics</b>	Deshbandhu College	University Of Delhi	2013-15	78.6%
<b>B.Sc. Mathematics (H)</b>	Miranda House	University Of Delhi	2010-13	83.5%
<b>Higher Secondary</b>	Summer Valley School, Dehradun	ISC	2010	90%
<b>Secondary Education</b>	Riverdale High School, Dehradun	ICSE	2008	93%

### ADDITIONAL QUALIFICATION

1. Foreign Language Certificate Course in Spanish from University Of Delhi, Delhi.

### WORK EXPERIENCE

1. Working as an Assistant Professor in Department of Mathematics, Government P.G. College, New Tehri, Uttarakhand, India since July 2019.
2. Worked as a Lecturer, Mathematics in DIPS ACADEMY from March 2016 to July 2017.
3. Subject matter expert at Chegg India.

### RESEARCH EXPERIENCE

1. Research Scholar, Department of Mathematics, BITS PILANI from July 2017 to June 2019.

### ACADEMIC ACHIEVEMENTS

1. Successfully cleared Joint CSIR-UGC Test for Junior Research Fellowship (JRF) and Eligibility for Lectureship (NET) in December 2015 with rank 53.
2. Successfully cleared Joint CSIR-UGC Test for Junior Research Fellowship (JRF) and Eligibility for Lectureship (NET) in December 2016 with rank 99.
3. Qualified GATE-2016

### PUBLICATIONS

1. Developed Subject Book on the topic “Mathematics (Latex for Scientific Writing and Mathematics into Latex)” for course material of B.A. Mathematics, Savitribai Phule Pune University for Vikas Publishing House, ISBN-9789356741195
2. Developed Subject Book on the topic “Mathematics (Ordinary Differential Equations and Partial Differential Equations) [Part Text] for course material of B.A. Mathematics, Savitribai Phule Pune University for Vikas Publishing House, ISBN-9789356741850
3. Book Chapter “Problems faced by Higher Education teachers for pursuing Ph.D., its consequences and some suggestions” in “NEW EDUCATION POLICY 2020: An Analytical Vision”,67-73, ISBN:978-93-5531-651-6

4. Book Chapter, "Covid 19- Impact and opportunities created for education sector in India" in "Covid-19 Impact, Challenges and Implications in India", ISBN-978-81-946476-0-7.
5. Madhuri Kohli, Ankur Bala, "Discussion on some properties of an Infinite Non-Abelian Group", International Journal of Mathematics Trends and Technology, Vol. 48, No. 2, August 2017, pp 108-110, ISSN: 2231-5373.
6. Madhuri Kohli, Ankur Bala, "Discussion on Group of Inner Automorphisms of Some Groups", International Journal of Mathematics Trends and Technology, Vol. 48, No. 2, August 2017, pp 133-135, ISSN: 2231-5373.

### **COURSES UNDERTAKEN**

1. One Week Faculty Development Programme on "MATLAB & its Applications in AI & ML" from 16-21 August 2023, organized by Sridev Suman Uttarakhand University, Tehri Garhwal.
2. One Week Faculty Development Programme on "Research Design and Research Methods" from 30<sup>th</sup> July to 5<sup>th</sup> August 2022, organized by TLC, Ramanujan College, University of Delhi with grade A+.
3. 4-Week Online Induction Training from 17<sup>th</sup> September – 16<sup>th</sup> October 2021 organized by TLC, Ramanujan College, University of Delhi.
4. One Week Online International Faculty Development Programme on "The Role of Linear Algebra in Machine learning, Artificial Intelligence & Data Science" organized by Mahatma Gandhi Institute of Technology.
5. 4-Week Induction/Orientation Programme from June 04 – July 01, 2020 organized by TLC, Ramanujan College, University of Delhi with Grade A+.

### **MEMBERSHIP OF SCIENTIFIC BODIES:**

1. Member, The National Radon Network Society.

### **RESPONSIBILITIES HANDLED**

1. Member of Admission Committee, NAAC, IQAC, RUSA, Website Committee, Parent Teacher Association Committee, E-Library committee, KPI Portal
2. Actively involved in all the Departmental and College Activities including Student projects, Sports, Annual Day Celebration, Workshops.
3. Internal and External Examiner for B.Sc. and M.Sc. Mathematics students.
4. General Secretary of the Mathematics Department, Miranda House for the year 2011-2012.

### **WORKSHOPS/SEMINARS/CONFERENCE**

1. Presented paper titled "Analyzing Safety Challenges for Women in Online Dating: A Study of Sexual Harassment" in National Seminar on "Sexual Harassment Awareness and Prevention", 21-22 February, 2024, Chaman Lal College, Landhaura, Uttarakhand.
- 2.
3. Participated in National Workshop on "Intellectual Property Right (IPR) and Research Proposal Writing", 19-20 January, 2024, VSKC Govt. P.G. College Dakpathar (Vikasnagar) Dehradun.
4. Presented paper titled "Probing bulk viscous matter-dominated model in Brans-Dicke theory using SNe, OHD and BAO" in National Conference on "Recent Advances in Theoretical and Experimental Sciences", 29-30 September, 2023, Bhakt Darshan Govt. P.G. College

Jaiharikhal, Uttarakhand.

5. Presented paper titled “Contribution of Green Technology to prevent Landslide incidences in Uttarakhand”, in International Conference on “Advancement in Physical Sciences: Promoting Societal Welfare, Sustainable Development and NEP-2020”, 15-16 September 2023, Sridev Suman Uttarakhand University, Rishikesh Campus.
6. Presented paper titled “Changing trends in organic farming in Uttarakhand” in National Conference on “Empowering Innovative Science and Technology for Indigenous Development of Uttarakhand: Dimensions and Challenges”, March 02, 2023, Rajkiya Mahavidyalaya, Chinyalisaur, Uttarkashi.
7. Presented paper titled “Mathematical Modelling and control of population growth in India” in National Seminar on “Increasing Population in India: Problems and challenges-A Discussion”, 9-10 September 2022, Chaman Lal College, Landhaura, (Uttarakhand)
8. Training programme on “Aquifer Mapping through Participatory Approach & Local Ground Water Issues” on 7<sup>th</sup> Jan. 2022, Govt. P.G. College, New Tehri.
9. Two-day workshop on Development of Data Base Centre for Conservation of Himalayan Fish Biodiversity (25<sup>th</sup> – 26<sup>th</sup> March, 2022), Govt. P.G. College, New Tehri.
10. International e-conference on “Fixed Point Theory and its applications to real world problems”, June 27, 2020 organised by Department of Mathematics, Govt. P.G. College, Maldevta, Raipur.
11. GIAN course on "Isogeometric methods using B-splines and nurbs", at IIT BHU, Dec. 2017.
12. National Workshop on " Nonlinear Functional Analysis and its Applications", Graphic Era ,
13. February, 2018.
14. NCM workshop on " New Directions in PDE Constrained Optimization", IIT Bombay, March 2018.
15. Indo-French Research Workshop on Theory and Simulation of Hyperbolic PDEs arising in Mathematical Biology and Fluid Flow, BITS Pilani, Pilani Campus, January 2019.

## **PERSONAL DETAILS**

Date of Birth: August 24, 1992

Place of Birth: Dehradun, India

Nationality: Indian

Gender: Female

Languages known: English, Hindi