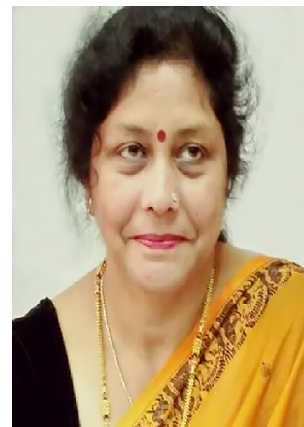


Prof (Dr.) (Mrs.) Rashmi Bhardwaj

NAME : Prof. Dr. (Mrs.) Rashmi Bhardwaj

ADDRESS office: Professor of Mathematics,
Room No. B 504,
Non-Linear Dynamics Research Lab,
University School of Basic & Applied Sciences,
Guru Gobind Singh Indraprastha University,
Dwarka, New Delhi 110078, India

E-MAIL: rashmib22@gmail.com rashmib@ipu.ac.in



Academic Qualification: Ph.D. in Mathematics (1997) from University of Delhi; M.Sc. (Mathematics) (89.3%, 1991) and **Second topper of University of Delhi in M.Sc.** examination with **100/100** marks in Integral Equation & Boundary Value Problem and **98/100** marks in Space Dynamics papers of M.Sc. (Mathematics) Examination; B.Sc.(H)Mathematics (81.9%, 1989) and seventh topper of University of Delhi in B.Sc. (H) Mathematics Examination. Also, the **topper of Zakir Husain College, University of Delhi in B.Sc. & M.Sc.** Examination.

Research Experience: 27 years. Supervised **Eleven** candidates for Ph.D. Degree and **six** are presently working for Ph.D. Degree. Established Nonlinear Dynamics Research Lab and Mathematics Lab in Guru Gobind Singh Indraprastha University.

Teaching Experience: 25 years for teaching to Ph.D., Postgraduate and Graduate students.

Books & Publications: 100 research papers in Journals of International / National repute and Conferences, 2 books and edited 1 proceedings of international conference. Subject Reviewer for many **International Journals of repute**. Life member of several international organizations in the sphere of Mathematical Sciences including Indian National Science Congress. Attended/ delivered talks and Chaired Technical Sessions at reputed academic conferences/ workshops across the world.

Field of Specialization: Celestial Mechanics, Dynamical Astronomy, Nonlinear Dynamics, Applied & Computational Mathematics, Statistics, Wavelet – Fractal - Chaos, Complex Dynamics, Ordinary & Partial Differential Equations, Numerical Analysis, Fluid Dynamics & Optimization, Microfluidic - Nanofluidic, Atmospheric & Environmental Sciences, Fuzzy Mathematics, Optimization Techniques, Soft Computing - Data Sciences – Machine Learning; Integral Equations & Boundary Value Problem, Financial Mathematics.

International Visits: USA (Drexel University, Paul Peck Problem Solving and Research Building, Philadelphia, May 10-12, 2018) for 2018 ICIAM (International Council for Industrial & Applied Mathematics) Workshop and Board Meeting; Turkey (Istanbul Commerce University, Istanbul, Turkey, July 17-18, 2005) for IWW 2005 (International Workshop on Application of Wavelets to Real World Problem); Singapore (Suntec Singapore, June 20-24, 2005) for 2nd AOGS (Asia Oceania Geosciences Society) Annual Meeting 2005; The Netherlands (Eindhoven University of Technology (TU/e), Eindhoven, June 21-25, 2004) for ECMI – 2004 (The 13th Conference on Mathematics for Industry); Australia (Sydney University, Sydney, July 7-11, 2003) for ICIAM 2003 (International Congress of Industrial & Applied Mathematics).

Awards & Fellowships: India Meteorological Department (IMD) awarded 27th Biennial MAUSAM Award (2012-2013) with cash prize of Rs. 50,000/- and citation; GGSIPU Best Researcher Award for three consecutive years (2013-2014), (2012-2013) (2011-2012); University Grants Commissions (UGC) Major Research Project (1.7.2012 - 31.12.2015) worth Rs. 12.5 lakh; All India Council for Technical Education (AICTE) Young Scientist Award (24.1.2004-31.3.2008) worth Rs. 10.5 Lakh; Teacher's State Award 2008; Best Teacher's Award 2011; University Grants Commission (UGC)-Associate Professor, first UGC Associate Professor in Mathematical Sciences under UGC-Faculty Recharge Program. GGSIPU Faculty Research Grant for the year 2016-2017; 2017-2018; 2018-2019; Expert Nanotechnology Technical Terminology; Commission for Scientific & Technical Terminology, Government of India, Ministry of Human Resource Development (MHRD), Department of Higher Education 2012 onwards. Junior Research Fellowship (JRF) from Department of Science & Technology (DST) (3.3.1992- 31.10.1993); Senior Research Fellowship (SRF) from Council of Scientific & Industrial Research (CSIR) (21.7.1994-30.8.1996); Zakir Husain College Merit Scholarship for five consecutive years (1987-1991); 55th Indian Mathematical Society Annual Conference Scholarship (1990-1991) awarded by University of Delhi, Delhi; National Senior Mathematics Olympiad Contest Certificate 1984; Competition Success Review Certificate 1984; Zakir Husain College, "The Certificate of Merit-1989"; Zakir Husain College, "The College Crest-1990"; Zakir Husain College, "The College Colour-1991".

PROFESSIONAL ACHIEVEMENTS: Appointed as Consultant, Examiner – Head examiner, Evaluator, Moderator for various examinations of Central, State, Government Organizations and Foreign Universities. Subject Expert in various selection committees of Central, States, Board, Universities, Institutions and Organizations. Resource persons and Chaired Technical Sessions in workshops/ conferences/ seminars of Central, State, Board, Universities, Government Organizations and Foreign Universities.

REGULATORY AFFAIRS: Additionally, I have 25 years' concurrent experience as a member of Board of Studies, School Research Committee, Examination Committee, Curriculum Development Committee, Moderation committee, Library Committee; Academic Committee & Liaisoning with external Academic Agencies Committee, University News Letter, Distance Education Committee, Additional Center Superintendent for spot evaluation etc. Associate Director, Research & Consultancy (May 2012- February 2014).

MEMBERSHIP: Life member of American Mathematical Society (AMS), Indian Science Congress Association (ISCA), Indian Mathematical Society (IMS), Indian Society for Industry & Applied Mathematics (ISIAM), Gwalior Academy of Mathematical Sciences (GAMS), Asia-Oceania Geosciences Society (AOGS). Member of Center for Fundamental Research in Space Dynamics & Celestial Mechanics. Member of "Consultancy Development Centre" an Institution Promoted by DSIR, Ministry of Science & Technology, Vijnāna Parishad of India.