

Curriculum Vitae

Dr. Vipin Gupta

Assistant Professor

Department of Mathematics

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Google Scholar ID: https://scholar.google.com/citations?user=o014_b0AAAAJ&hl=en&oi=sra



Education

2020-2024

PhD in Applied Mathematics

Supervisor: Dr. M.S. Barak, Department of Mathematics,
Indira Gandhi University, Meerpur, Rewari, India-123401

2016-2018

M. Sc in Mathematics

Indira Gandhi University, Meerpur, Rewari
Secured **Rank 01** in I.G.U. M.Sc. Entrance Exam
Overall Percentage: 82.04

2013-2016

B. Sc

K.L.P. College, Rewari
Overall percentage: 81.51

2013

Intermediate/+2

Jain Sr. Sec. School, Rewari
Overall percentage: 84.00

2011

Matriculation

Govt. Sr. Sec. School, Gokal Garh, Rewari
Overall percentage: 90.80

Achievement & Awards

- ❖ Successfully prepared and secured HSCSIT-sponsored **funding of ₹1.5 Lakhs** for organizing National Mathematics Day–2025 and National Science Day–2026 celebrations at Gurugram University, and coordinated the complete academic activities under the programme.
- ❖ Successfully prepared and secured HSCSIT-sponsored **funding of ₹1.0 Lakh** for organizing National Mathematics Day–2024 at Gurugram University, and served as Coordinator for the programme.
- ❖ **Best Paper Award** in International Conference organized by CBLU Bhiwani (Jan 2024).
- ❖ **IARS Young Best Research Paper Award 2023**.
- ❖ Received the **Best Facilitator Award** at a Workshop on Computational Mathematical Software, R, Maxima, and MATLAB, organized by I.G.U., Meerpur, December 2022.
- ❖ **Guest Editor**, Special Issue on Nanofluids: Synthesis, Characterization, and Applications, in Open Physics Journal (October 2023 - December 2023).
- ❖ Qualified *Graduate Aptitude Test* in Engineering of India (GATE, 2019).
- ❖ Qualified *National Eligibility Test* of India for Junior Research Fellowship (J.R.F.) and Lectureship (L.S.) / Assistant Professor (CSIR-NET JRF, 2018, 2019).
- ❖ Qualified *Indian Institute of Technology Joint Admission Test* (IIT-JAM, 2016)

Skills

- Computer: MATLAB, Word, Excel, LaTeX
- Mind Map, Inkscape (Graphing tools)
- OBS Studio (Video recording and live streaming software)

Teaching Experience

Since June 2024 to Present, Courses taught:

- Fluid Dynamics, Complex Analysis, Operational Research
- ODE, P.D.E., Linear Algebra, Number Theory
- MATLAB, LaTeX

Professional Memberships

- Life membership of the Indian Science Congress Association.
- Life membership of the India Association for Reliability & Statistics.

Research

Areas of Interest

- Wave propagation, Thermo-elasticity, Nonlocal elasticity
- Piezo-thermo-elasticity, Poro-thermo-elasticity
- Hygro-thermoelasticity, Visco-thermoelasticity
- Fractional-order derivative, Memory-dependent derivative

Patent

Patent number: 2021103990

Patent agency: Australian Patent

Title of invention: A novel stochastic model for reliability evaluation of computing machines subject to arrival time of service facility upon failure

Publications/Citations Summary

Total No. of Publications: 50	h-index: 19
Google Scholar Citations: 770	i10-index: 31 (as on 07.05.2026)

Name of Journal (SCI Indexed)	No. of Papers	Impact Factor
Composite Structures	1	7.1
Propulsion and Power Research	1	6.3
Applied Mathematical Modelling	2	5.1
International Journal of Numerical Methods for Heat & Fluid Flow	9	5.1
Soil Dynamics and Earthquake Engineering	1	4.6
European Journal of Mechanics–A/Solids	2	4.2
Scientific Reports	3	3.9
International Journal of Mechanics and Materials in Design	1	3.6
International Journal of Structural Stability and Dynamics	1	3.4
Physica Scripta	5	2.6
Archive of Applied Mechanics	1	2.5
Mechanics of Time-Dependent Materials	1	2.3
Journal of Thermal Stresses	2	2.3
Continuum Mechanics and Thermodynamics	1	2.1
Multidiscipline Modeling in Materials and Structures	1	1.9
Indian Journal of Physics	1	1.7
Journal of Nonlinear Mathematical Physics	1	1.6
Proceedings of the National Academy of Sciences, India Section A	1	1.2

Full details of the publications/citations are available on [Google Scholar](#)

https://scholar.google.com/citations?user=o014_b0AAAAJ&hl=en&oi=sra

Some Administrative Contributions

- Served as **Coordinator**, *UTD Table Evaluation Centres* (Dec.–Feb. 2025–2026).
- Served as **Deputy Superintendent** (M) during University Examinations (May-2025).
- Served as **Sector Officer** during *Haryana Assembly Election 2024*.
- **Member** of the Central-Level *Samarth Portal* Implementation Team.
- Handling departmental responsibilities related to *Training and Placement, ANANTA PI Club, Alumni Connect, and Unnat Bharat Abhiyan (UBA)*.
- Serving as **Ph.D. Coordinator** in the Department of Mathematics.

Some Recent Conferences

- Delivered a **Keynote Lecture** and served as **Session Chair** at the International Conference on Mathematics for Sustainable Development and Real-Life Innovations (ICMSDRI-2026) organized by the Department of Mathematics, School of Basic and Applied Sciences, K.R. Mangalam University
- Delivered an **Invited Talk** and served as **Session Chair** at the International Conference on Recent Trends & Innovations in Mathematics, Statistics and Scientific Computing (IC-RTIMSSC-2025) held on 5–6 March 2025.
- Presented a research paper at the International Conference on Global Advances in Statistical Modelling, Optimization Techniques, and Data Science (IC-GASMOTDS-2025) held during 28–30 November 2025.
- I presented a research paper at the International Conference on Mathematical Innovations and Applications (MATHTECH-2024) at Chaudhary Bansi Lal University, Bhiwani, on 17th–18th January 2025, held in celebration of Srinivasa Ramanujan’s birth anniversary, and sponsored by HSCSIT-DST.
- Presented a paper entitled “Propagation of Rayleigh Wave in Piezo-Thermo-Elastic Medium with Voids” at the International Conference organized by the Department of Mathematics, CBLU Bhiwani on January 19-20, 2024.
- Delivered a paper entitled “Effects of Memory-Dependent in Rayleigh Wave in Nonlocal Piezo-Thermo-Elastic Medium with Voids” at the International Conference on organized by the Department of Statistics, M.D.U. Rohtak on December 26, 2023.
- Shared findings on “Response of energy ratios under higher-order M.D.D. at distinct media” at the Online International Conference organized by Applied Sciences, Faculty of Engineering and Technology, Manav Rachna International Institute of Research and Studies (Deemed to be University) Faridabad, Haryana, India duration December 9-11, 2022.

F.D.P.s, and Workshops

- Attended in One-Week Workshop on Computational Mathematical Software R, Maxima, and MATLAB organized by the Department of Mathematics Indira Gandhi University, Meerpur sponsored by Haryana State Council for Science Innovation and Technology, Govt. of Haryana, from Dec 20-24, 2022.
- Participated in Two-Week Refresher Course on “Refresher Course in Applicable Mathematics” organized by Ramanujan College University of Delhi sponsored by Ministry of Education Pandit Madan Mohan Malaviya National Mission of Teachers and Teaching in collaboration with SJCE, JSS S&TU duration July 26-August 08, 2022.
- Engaged in One-Week Colloquium on Computational Mathematical Software (Mathematica, Maxima & R) organized by the Department of Mathematics ARSD college, University of Delhi during February 22-28, 2022.
- Attended in Two-Week Skill Based Short Term Course on “MATLAB Programming” organized by Department of Information and Communication Technology, Chaudhary Bansi Lal University, Bhiwani duration November 15-27, 2021.
- Took part in One-Week National Workshop on Python through online mode organized by Department of Mathematics, Indira Gandhi University, Meerpur from October 18-22, 2021.
- Participated in Two-weeks Faculty Development Programme on “Advanced Concepts for Developing MOOCS” organized by Ramanujan College University of Delhi, sponsored by Ministry of H.R.D. Pandit Madan Mohan Malaviya National Mission of Teachers and Teaching duration July 02-17, 2020.
- Joined in One-Week International FDP on Mathematical Modeling in Multidisciplinary Domain Workshop organized by the Department of Mathematics, Bannari Amman Institute of Technology, Tamil Nadu, during June 01-07, 2020.
- Participated in One-Week National Level Faculty development program on LaTeX in association with Spoken Tutorial Project, I.I.T. Bombay organized by Department of Humanities & Sciences C.M.R. Engineering College, Hyderabad, June 01-05, 2020.
- Engaged in 5-Days Online STTP on MATLAB-based Teaching-Learning in Mathematics, Science & Engineering organized by the Department of Electronics Engineering, Ramrai Adik Institute of Technology, Nerul, Navi Mumbai in collaboration with Design Tech Systems Pvt. Ltd. Mumbai during May 18-20, 2020.
- Joined in One-Week Colloquium on Research Methodology organized by Indira Gandhi University, Meerpur, May 18-23, 2020.