

Curriculum Vitae

Prof. (Dr.) Ram Prakash Sharma

Department of Mechanical Engineering, NIT Arunachal Pradesh-791113

Email: rpsharma@nitap.ac.in, ramprakash0808@gmail.com

Academic Web Address: <https://www.nitap.ac.in/>

Mobile: +91 9461070550, +91 8118986128

Education

B. Sc. (1990) Ist Div. : University of Rajasthan, Jaipur, India

M.Sc. (1992) Ist Div. : University of Rajasthan, Jaipur, India

M.Phil. (1994) Ist Div. : University of Rajasthan, Jaipur, India

Ph. D (2003) : University of Rajasthan, Jaipur, India

Elected as the member of 'THE INDIAN MATHEMATICAL SOCIETY' (IMS) (Founded in 1907) for three years.

Top 2% Scientists of the world on the survey of Elsevier and Stanford University USA, 2024 and 2025

Google scholar link: <https://scholar.google.co.in/citations?user=II5sZqgAAAAJ&hl=en>

Scopus link: <https://www.scopus.com/authid/detail.uri?authorId=57210906494>

Profile link: https://www.nitap.ac.in/department/faculty_publication?name=rpsharma&dept=89f0915482

Institute Website (link): [Click here](#)

Total Publication (SCIE and Scopus): More than 200, Citations: 2589, h-index: 28 and i10-index: 80

Area of Research:

Fluid Dynamics, Renewable Energy, Gasification, Waste to energy, Fluidization, Gas cleaning, AI and Machine Learning, Newtonian and Non-Newtonian fluids, Boundary Layer Theory, Heat and Mass transfer, Flow through porous media, History of Mathematics

Administrative Experience:

1. Worked as **Director (i/c)**, National Institute of Technology, (Institute of National Importance under Ministry of Education (Shiksha Mantralaya), Govt. of India) Jote, Arunachal Pradesh-791113, India w.e.f., August 4, 2023 to 24-04-2024.



2. Worked as **Dean (Administration)**, National Institute of Technology, (Institute of National Importance under Ministry of Education (Shiksha Mantralaya), Govt. of India) Jote, Arunachal Pradesh-791113, India w.e.f., May 18, 2023 to May 28, 2025. (2 Years)
3. **राजभाषा प्रमुख**, राष्ट्रीय प्रौद्योगिकी संस्थान अरुणाचल प्रदेश -791113, भारत के रूप में कार्य करना। जुलाई 2020 से अब तक।
4. Worked as **Member of BOG**, National Institute of Technology, (Institute of National Importance under Ministry of Education (Shiksha Mantralaya), Govt. of India) Jote, Arunachal Pradesh-791113, India w.e.f. July 24, 2019 to July 2024. (5 Years)
5. Prof. Ram Prakash Sharma, Professor, Department of Mechanical Engineering, NIT Arunachal Pradesh – working as **Chairman- Advisory Committee on Faculty Recruitment (ACoFAR)** w.e.f., 13-01-2020 to till date.
6. Worked as **Dean (SA)**, National Institute of Technology, (Institute of National Importance under Ministry of Education (Shiksha Mantralaya), Govt. of India) Jote, Arunachal Pradesh-791113, India w.e.f. July 17, 2019 to 03-12-2021.
7. Worked as **Chairman, Counselling Cell**, National Institute of Technology, (Institute of National Importance under Ministry of Education (Shiksha Mantralaya), Govt. of India) Jote, Arunachal Pradesh-791113, India w.e.f., 28-07-2019 to 07-11-2022.
8. Worked as **Warden (Tiger Hostel)**, National Institute of Technology, (Institute of National Importance under Ministry of Education (Shiksha Mantralaya), Govt. of India) Jote, Arunachal Pradesh-791113, India w.e.f. July 17, 2019 to 26-08-2021.
9. Worked as **Chief Warden**, National Institute of Technology, (Institute of National Importance under Ministry of Education (Shiksha Mantralaya), Govt. of India) Jote, Arunachal Pradesh-791113, India w.e.f. 19-10-2020 to 26-08-2021.
10. Worked as **in charge, Mathematics computation Lab**, National Institute of Technology, (Institute of National Importance under Ministry of Education (Shiksha Mantralaya), Govt. of India) Jote, Arunachal Pradesh-791113, India w.e.f. 16-07-2019 to 20-03-2021.
11. Worked as **Chairman, Departmental Committee for non-teaching staff**, National Institute of Technology, (Institute of National Importance under Ministry of Education (Shiksha Mantralaya), Govt. of India) Jote, Arunachal Pradesh-791113, India w.e.f. 13-05-2020 (2020-2021).
12. Working as Anti-Ragging Squad, **Group Coordinator**, National Institute of Technology, (Institute of National Importance under Ministry of Education (Shiksha Mantralaya), Govt. of India) Jote, Arunachal Pradesh-791113, India w.e.f. 28-07-2019 to till date.

Professional Experience: 34 Years (U.G: 34 years and P.G: 24 Years)

24 th May 2023- Till date	Professor, Department of Mechanical Engineering National Institute of Technology Arunachal Pradesh-791113
4 th August 2023- 24 April 2024	Director (i/c), National Institute of Technology Arunachal Pradesh-791113
5 th July 2019- 23 May 2023	Associate Professor, Department of Mechanical Engineering National Institute of Technology Arunachal Pradesh-791113
5 th September 2011- 04-July-2019	Professor, Department of Mathematics, JECRC University, Jaipur (Rajasthan) India
1 st July 2010- 4 th September 2011	Professor and Director, S. J. C. E. T., Dausa
15 th July 2009- 30 th June 2010	Professor and Principal/Director, Sonipat Inst. of Eng.& Mgt. Sonipat, (Haryana) India
28 th May 2009- 14 th July 2009	Professor and Principal, SDIT, Dausa
11 th July 2008- 27 th May 2009	Professor and Principal, Maharishi Arvind Institute of Science and Management, Jaipur (Rajasthan) India
1 st July 2005-10 th July 2008	Professor and Head, Department of Mathematics Baldev Ram Mirdha Institute of Technology (BMIT), Jaipur (Rajasthan) India
1 st July 2003- 30 th June 2005	Associate Professor and Head, Department of Mathematics, BMIT, Jaipur (Rajasthan) India
1 st July 2002-30 th June 2003	Assistant Professor and Vice Principal, Department of Mathematics, Shankara Institute of Technology, Jaipur (Rajasthan) India
16 th June 2001-30 th June 2002	Lecturer, C.I.I.T., Sitapura, Jaipur (Rajasthan) India
1 st October 1999-15 th June 2001	Lecturer, Department of Mathematics, IET, Alwar, (Rajasthan)India
1 st July 1992-30 th September1999	Lecturer, S.S. Jain Subodh, P. G. College, Jaipur

List of Publications (Published) from 2015-2026

2026 (24)

1. ***Ram Prakash Sharma***, Abhishek Sharma, V. Vinay Kumar and Bimal Kumar Barik, Neural network-based predictive model for heat transfer rate in magnetohydrodynamic flow over a stretching cylinder with Cattaneo–Christov heat flux, **Zeitschrift für angewandte Mathematik und Physik ZAMP** 72 (02) (2026) Article: 82 HI: 72 **IF: 1.6**, 83 % 72/1.6 Publisher: Springer International Publishing <https://doi.org/10.1007/s00033-025-02710-8> Q1

2. Abhishek Sharma, *Ram Prakash Sharma*, A Critical Review of Non-Newtonian Sisko Fluid and Its Role in Industrial Engineering, **Archives of Computational Methods in Engineering**, First published online 26 February 2026. HI: 129, **IF: 12.1** <https://doi.org/10.1007/s11831-026-10535-5> Q1
3. *Ram Prakash Sharma*, Bimal Kumar Barik, Artificial Neural Networks for Optimizing Renewable and Sustainable Energy Systems with Insights into Nanofluid Applications: A Critical Review, **Archives of Computational Methods in Engineering** HI: 129, **IF: 12.1** publisher- Springer Netherlands. (Accepted) Q1
4. Sriram Praharaj and *Ram Prakash Sharma*, Hybrid analysis of deep learning and statistical approach in predicting heat transfer rate of radiative polar nanofluid flow with inertial drag, **Phys. Fluids** 38 (2026) 023604 SCIE HI 211 **IF 4.3** Publisher: *American Institute of Physics* (AIP) doi: 10.1063/5.0305021 Q1
5. Arpita Biswas, *Ram Prakash Sharma*, Utpal Kumar Saha, Multilayer neural network simulation of solar-radiative nanofluid flow with entropy generation for solar water pump applications, **Solar Energy Materials & Solar Cells** 297 (2026) 114137, **H Index: 227, IF: 6.3** Publisher: *Elsevier* <https://doi.org/10.1016/j.solmat.2025.114137> Q1
6. V Vinay Kumar, *Ram Prakash Sharma*, Multi-objective optimization of surface-drag phenomena in coaxial disk systems using machine learning assisted Taguchi based grey relation analysis. **International Journal of Numerical Methods for Heat & Fluid Flow** 36 (5) (2026) 1961–1992_SCIE HI: 78, **IF: 5.1**, 90 % Publisher: Emerald Group Publishing Ltd. . <https://doi.org/10.1108/HFF-11-2025-0942> Q1
7. *Ram Prakash Sharma*, V Vinay Kumar, Abhishek Sharma, Sriram Praharaj, Bimal Kumar Barik, Blood rheology-based analytical framework for time-dependent radiative Jeffrey nanofluid flow modelling using Laplace transform, **International Journal of Numerical Methods for Heat & Fluid Flow** XX (X) (2026) XXXX–XXXX. SCIE HI: 78, **IF: 5.1**, 90 % Publisher: Emerald Group Publishing Ltd. <https://doi.org/10.1108/HFF-02-2026-0148> Q1
8. Sunendra Shukla, Abhishek Sharma, Hari Ponnamma Rani, *Ram Prakash Sharma*, Dynamic Behavior of Ferro-Nanofluid Flow Over a Vertical Stretching Sheet for Enhanced Cooling Applications: A Machine Learning Approach, **ZAMM - Journal of Applied Mathematics and Mechanics** 106 (2026) e70476 HI: 64 **IF: 3.2**, Publisher- Wiley- VCH Verlag <https://doi.org/10.1002/zamm.70476> Q1
9. V. Vinay Kumar, *Ram Prakash Sharma*, Time-Varying Fluid Injection Mechanism and Enhancing Wall Dilation for Improved Fluid Flow Performance: A Taguchi-Based L16 Orthogonal Array Optimization, **ZAMM - Journal of Applied Mathematics and Mechanics**, 2026; 106:e70469 HI: 64 **IF: 3.2**, Publisher- Wiley- VCH Verlag <https://doi.org/10.1002/zamm.70469> Q1

10. Shaik Mohammed Ibrahim, Abhishek Sharma, Biswas Arpita, Ram Prakash Sharma, Neural networks based predictive model to enhance thermal transfer rate in battery cooling performance using ethylene glycol-based hybrid nanofluid, **International Journal of Mechanics and Materials in Design**, 22 (2026) 104. HI: 50, **IF: 3.6** Publisher- Springer Heidelberg Percentile: 80 % <https://doi.org/10.1007/s10999-026-09928-y> Q1
11. Abhishek Sharma, Thirupathi Thumma, Ram Prakash Sharma, Neural Network Modeling of Magnetized Tri-Hybrid Nanofluid Flow Over a Curved Surface for Solar Aircraft Thermal Management, **International Journal of Mechanics and Materials in Design**, 22 (2026) 103 HI: 50, **IF: 3.6** Publisher- Springer Heidelberg, Percentile: 80. <https://doi.org/10.1007/s10999-026-09917-1> Q1
12. Abhishek Sharma, Ram Prakash Sharma, Enhancing Heat Transfer Rate in Hybrid Nanofluid Flow Past a Stretching Sheet: A Response Surface Methodology Approach, **Arabian Journal for Science and Engineering** 51 (3) (2026) 3271–3291 **HI: 81, IF-2.9 percentile: 88 % Publisher: Springer** <https://doi.org/10.1007/s13369-025-10295-7> Q1
13. Rupa Baithalu, S. R. Mishra, Ram Prakash Sharma, Laxmipriya Swain, Flow of Elastoviscous Nanofluid Through an Elongating Surface With Dissipative Heat: A Confluent Hypergeometric Solution, **Asia-Pacific Journal of Chemical Engineer**, 2026; 21 (1):e70149 <https://doi.org/10.1002/apj.70149> Q1
14. V Vinay Kumar, Ram Prakash Sharma, Impact of low oscillating magnetic field on heat transfer in ternary nanofluids confined within a conical gap: a Taguchi-based sensitivity approach. **Journal of the Brazilian Society of Mechanical Sciences and Engineering** 48 (3) (2026) 199. <https://doi.org/10.1007/s40430-025-06149-w> Q1
15. Sidharth Shankar, Sunendra Shukla, S.R. Mishra, Koj Sambyo, Ram Prakash Sharma, Enhancing effective thermal conductivity of nanofluids with diverse particle shapes: A machine learning approach utilizing hybrid response surface methodology and statistical distribution, **Powder Technology** 469 (2026) 121829, HI: 181 **IF: 1.6**, Publisher: **Publisher: Elsevier B.V.** <https://doi.org/10.1016/j.powtec.2025.121829> Q1
16. Om Prakash, N. Sandeep, Ram Prakash Sharma & Pentyala Srinivasa Rao, Influence of radiative heat on MHD Cu-Si/water dusty-nanoliquid flow above an enlarging sheet, **Waves in Random and Complex Media**, 35(7) (2026) 13281-13300, *HI 54 Scopus* [ISSN 17455049, 17455030] DOI: [10.1080/17455030.2022.2141470](https://doi.org/10.1080/17455030.2022.2141470) Q1
17. V Vinay Kumar, and Ram Prakash Sharma, Enhancing thermal performance and entropy minimization in parabolic trough solar collectors with TiO₂-PAO nanolubricant: a RSM approach, **The European Physical Journal Special Topics** (2026), SCIE HI: 96, **IF: 2.3**, 80 % Publisher: Springer Verlag DOI: <https://doi.org/10.1140/epjs/s11734-026-02234-w> Q2

18. **Ram Prakash Sharma**, Sudha Arora, Usha Sharma, J.V. Ramana Murthy, Shaik Shafi, Micropolar fluid flow through porous annulus region between two coaxial cylinders, **Thermal Advances**, Publisher: Elsevier B.V. <https://doi.org/10.1016/j.thradv.2026.100136> Q1
19. V Vinay Kumar, and **Ram Prakash Sharma**, Multi-factor sensitivity analysis of heat transfer rate in swirling flow induced by torsional motion of cylinder: A Taguchi based approach, **Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems**, (2026) 1-14. Online First published Mar 20, 2026. Publisher: Sage Publications DOI: <https://doi.org/10.1177/239779142614278> Q1
20. **Ram Prakash Sharma**, Om Prakash Sharma, R. J. Punith Gowda, A multivariate statistical analysis of variance and optimization design-based heat transfer analysis on induced flow between outer stationary and inner stretching coaxial cylinders, **Separation Science and Technology**, (2026) 1-16, HI: 95, **IF: 2.3** Publisher- Taylor and Francis Ltd. Percentile: 68 <https://doi.org/10.1080/01496395.2026.2651746> Q2
21. Rajat Srivastava, **Ram Prakash Sharma**, Response Surface Method-Based Optimization of Thermal Transfer Rate in Hybrid Nanofluid Flow Over a Porous Stretching Sheet with Multiple Slip Condition, **Journal of Applied and Computational Mechanics** 12(2) (2026) 491-501, Q2 HI: 42, **IF: 3.4**, 58 % Publisher: Mechanical Engineering Department, Faculty of Engineering, Shahid Chamran University of Ahvaz, Ahvaz, Iran, ISSN 23834536 DOI: [10.22055/jacm.2025.48570.5333](https://doi.org/10.22055/jacm.2025.48570.5333) Q2
22. V Vinay Kumar, **Ram Prakash Sharma**, Dynamic interaction of thermal and solutal transport in Bodewadt flow over a rotating disk with Thermo-diffusion and Diffusion-thermo effects: A Levenberg-Marquardt based algorithm, **Dynamics of Atmospheres and Oceans**, *Accepted*, SCIE HI: 59, **IF: 2.0**, 62 % Publisher: Elsevier B.V. Q2
23. Thirupathi Thumma, Abhishek Sharma, **Ram Prakash Sharma**, Exploring the Combined Effects of Chemical Reactions and Thermal Radiation on Micropolar Nanofluid Flow Through a Riga Sensor Surface, **Proceedings of the National Academy of Sciences, India Section A: Physical Sciences**, Online first articles 08 June 2026 HI: 29 **IF: 1.2**, 51 % Publisher: Springer India <https://doi.org/10.1007/s40010-026-01125-y> Q3
24. Ram Prakash Sharma, Bimal Kumar Barik, Sriram Praharaj, V. Vinay Kumar, Abhishek Sharma, Hall-Effect-Modulated Thermal Transport Enhancement in Hybrid Nanofluid Flow over a Stretching Surface Using Taguchi Optimization, **Journal of Complex and Multiphysics Engineering Systems**, 1 (1) (2026) 82–97. <https://doi.org/10.56578/jcmes010105>

2025 (45)

25. V Vinay Kumar, Ram Prakash Sharma, Optimizing MXene Ionanofluid flow induced by torsional motion of cylinder using artificial neural network, **Neural Computing and Applications**. UR
26. *Rajaram Mohanty, Pinakeswar Mahanta, Abinash Mohapatro, Ram Prakash Sharma*, Catalytic Gasification of Pinewood Biomass in a Fluidized Bed Reactor with Dolomite, Limestone, and Activated Carbon: An Experimental Study, **Energy** 325 (2025) 136131. SCIE I.F: 9.4, H Index: 274. <https://doi.org/10.1016/j.energy.2025.136131> Q1
27. Rajaram Mohanty, Pinakeswar Mahanta, and Ram Prakash Sharma. Performance Analysis of Pinewood, Bamboo, and Plywood Gasification in a Fluidized Bed Gasifier. **Publisher: American Society of Mechanical Engineers (ASME), The Journal of Energy Resources Technology, Part A: Sustainable and Renewable Energy** doi: <https://doi.org/10.1115/1.4068361> I. F = 2.6, H. Index = 63 Q1
28. Rajaram Mohanty, Pinakeswar Mahanta, Ram Prakash Sharma, Recent Advances in Biomass Gasification to Improve the Quality of Syngas: A Comprehensive Review, **Published by the American Chemical Society (ACS), Industrial & Engineering Chemistry Research**, <https://doi.org/10.1021/acs.iecr.5c01388> H Index: 267, IF: 3.9 Publisher: American Chemical Society. Q1
29. Ram Prakash Sharma, Bimal Kumar Barik, Vinay Kumar V, Abhishek Sharma, Illustration of low oscillating magnetic field on sodium alginate-based hybrid nanofluid flow between two revolving disks: An artificial neural network-based study, **Engineering Applications of Artificial Intelligence**, 155 (2025) 111101 <https://doi.org/10.1016/j.engappai.2025.111101> H index: 149, IF: 8.0 **Publisher: Elsevier Ltd** Q1
30. Ram Prakash Sharma, Chandralekha Mahanta, Debasish Gorai, Entropy optimization in magnetized uranium dioxide nanofluid flow through a porous cone-disk apparatus with trio dissipation using an artificial neural network, **Physics of Fluids**, 37, 073135 (2025), <https://doi.org/10.1063/5.0281484>, SCIE Q1 HI: 211, IF: 4.3, Publisher: [American Institute of Physics](https://doi.org/10.1063/5.0281484) (AIP) PUBLISHING, 1305 WALT WHITMAN RD, STE 300, MELVILLE, USA, NY, 11747-4501, ISSN / eISSN:1070-6631 / 1089-7666
31. Abhishek Sharma, Ram Prakash Sharma, Arpita Biswas, Shaik Mohammed Ibrahim, Exploring the impact of nanoparticle aggregation in parabolic trough solar collectors with a neural network-based predictions for enhanced thermal performance, **Solar Energy Materials and Solar Cells** 293 (2025) 113866. H Index: 227, IF: 6.3 Publisher: [Elsevier](https://doi.org/10.1016/j.solmat.2025.113866) <https://doi.org/10.1016/j.solmat.2025.113866> Q1
32. Sidharth Shankar, Sunendra Shukla, S.R. Mishra, Koj Sambyo, Ram Prakash Sharma, Enhancing effective thermal conductivity of nanofluids with diverse particle shapes: A machine learning approach utilizing hybrid response surface methodology and statistical distribution, **Powder Technology** 469 (2026) 121829, <https://doi.org/10.1016/j.powtec.2025.121829>

33. V Vinay Kumar, Ram Prakash Sharma, Neural network and Taguchi design optimization of solvent fraction effects on heat dissipation in Bodewadt flow, **International Communications in Heat and Mass Transfer**, 169, Part D, 2025, 109845 <https://doi.org/10.1016/j.icheatmasstransfer.2025.109845>. ISSN 0735-1933
34. V. Vinay Kumar, Ram Prakash Sharma, Taguchi design approach for thermal enhancement in time varying fluid injection of MXene bi-hybrid nanofluid-lubricated porous slider, **Physics of Fluids** 37, 093128 (2025) <https://doi.org/10.1063/5.0291116>, SCIE Q1 HI: 211, IF: 4.3, Publisher: [American Institute of Physics](#) (AIP) PUBLISHING, 1305 WALT WHITMAN RD, STE 300, MELVILLE, USA, NY, 11747-4501, ISSN / eISSN:1070-6631 / 1089-7666
35. S. R. Mishra, *Ram Prakash Sharma*, Rupa Baithalu, Laxmipriya Swain, Analytical approach on free convection of time-dependent Casson fluid over a vertical expanding surface with Hall current, **Physics of Fluids** 37 (2025) 083123 <https://doi.org/10.1063/5.0285580>, SCIE Q1 HI: 211, IF: 4.3, Publisher: [American Institute of Physics](#) (AIP) PUBLISHING, 1305 WALT WHITMAN RD, STE 300, MELVILLE, USA, NY, 11747-4501, ISSN / eISSN:1070-6631 / 1089-7666
36. P. K. Pattnaik, S. R. Mishra, Abhishek Sharma, *Ram Prakash Sharma*, Neural computing analysis of rate coefficients in nanofluid flow over a wedge with nanoparticle aggregation effect: a machine learning approach, **Neural Computing and Applications**, HI: 146 IF: 4.5 Publisher- Springer London <https://doi.org/10.1007/s00521-025-11296-1> **Q1**
37. Abhishek Sharma, and *Ram Prakash Sharma*, Utilizing neural networks to illustrate the dynamics of viscous fluid flow over curved surface with homogeneous and heterogeneous reactions, **Engineering Applications of Artificial Intelligence**, 159 (2025) 111629 H index: 149, IF: 8.0 Publisher: Elsevier Ltd DOI: <https://doi.org/10.1016/j.engappai.2025.111629> **Q1**
38. Debasish Gorai, and *Ram Prakash Sharma*, Revolutionizing heat transfer in porous media: The synergistic effects of MgO/ gasoline oil nanofluids, chemical reactions, and melting phenomena, **Journal of Molecular Liquids**, 434 (2025) 128055 H index: 189, IF: 5.2 Publisher: Elsevier B.V. DOI: <https://doi.org/10.1016/j.molliq.2025.128055> **Q1**
39. *Ram Prakash Sharma*, Om Prakash, Shaik Shafi, A study of two-dimensional Oldroyd-B nanofluid flow over a Riga plate under the influence of non-uniform heat source/sink with binary chemical reaction, **ZAMM-ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND MECHANIK**, 105 (6) (2025) e70111, <https://doi.org/10.1002/zamm.70111> HI: 62 IF: 3.2, Publisher- Wiley- VCH Verlag **Q1**
40. Chandralekha Mahanta, *Ram Prakash Sharma*, Dynamics of bio convection-driven fluid flow through Riga plates in presence of triple stratifications and multiphase slip effects, **Journal of Molecular Liquids**, <https://doi.org/10.1016/j.molliq.2025.127421> . HI: 168, IF: 5.3, Publisher- Elsevier Ltd. **Q1**
41. Abhishek Sharma and *Ram Prakash Sharma*, Statistical and numerical analysis of MHD nanofluid (TiO₂/EG) flow on a nonlinear curved stretching surface with heat source: A RSM approach, **ZAMM-ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND MECHANIK** 105 (1), e202400513

(2025). DOI: <https://doi.org/10.1002/zamm.202400513> HI: 62 IF: 3.2, Publisher- Wiley- **VCH Verlag**

Q1

42. ***Ram Prakash Sharma***, Kirnu Badak, Umair Khan, Anuar Ishak, El-Sayed M. Sherif, Piotr Wróblewski, Dynamics of variable thermal conductivity and multiple slip conditions in a Carreau hybrid nanofluid flow past a stretching sheet, First published: 13 December 2024, **ZAMM-ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND MECHANIK** <https://doi.org/10.1002/zamm.202400388> HI: 62 IF: 3.2, Publisher- Wiley- **VCH Verlag** Early View Q1
43. ***Ram Prakash Sharma***, Pudhari Srilatha, Mehboob Ul Hassan, Umair Khan, J. K. Madhukesh, Sunendra Shukla, Scrutinization of nanoparticle aggregation in the reactive dynamics of heat transport phenomenon with buoyancy forces **ZAMM-ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND MECHANIK**, 105 (5) (2025) e70010 HI: 62 IF: 3.2, Publisher- Wiley- VCH Verlag Article ID: ZAMM70010, Article DOI: <https://doi.org/10.1002/zamm.70010> Q1
44. Chandralekha Mahanta, ***Ram Prakash Sharma***, Enhanced heat transfer rate analysis with Ohmic heating, and multiple Slips over exponentially stretching/shrinking plate on MHD hybrid nanofluid: response surface methodology, **ZAMM-ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND MECHANIK** 105 (2) (2025) e202400479. <https://doi.org/10.1002/zamm.202400479> HI: 62 IF: 3.2, Publisher- Wiley- VCH Verlag Q1
45. Abhishek Sharma and ***Ram Prakash Sharma***, Optimizing shear rate in unsteady stagnation point flow of micro-polar ternary nanofluid flow over a stationary plate: A statistical approach, **ZAMM - Journal of Applied Mathematics and Mechanics**, 105 (11) (2025) e70276. <https://doi.org/10.1002/zamm.70276> HI: 62 IF: 3.2, Publisher- Wiley- VCH Verlag Q1
46. Chandralekha Mahanta, ***Ram Prakash Sharma***, Optimizing the entropy and heat transfer rates statistically by response surface methodology in thermal stratified convective systems using hybrid nanofluids with slip conditions, First published: 23 October 2025, **ZAMM - Journal of Applied Mathematics and Mechanics / Zeitschrift für Angewandte Mathematik und Mechanik**, 105 (10) (2025) e70253. <https://doi.org/10.1002/zamm.70253> HI: 62 IF: 3.2, Publisher- Wiley- VCH Verlag Q1
47. Rajat Srivastava, ***Ram Prakash Sharma***, Response Surface Method-Based Optimization of Thermal Transfer Rate in Hybrid Nanofluid Flow Over a Porous Stretching Sheet with Multiple Slip Condition, **Journal of Applied and Computational Mechanics**, xx(x) (2025) 1-11 Publisher: [Shahid Chamran University of Ahvaz](https://doi.org/10.22055/jacm.2025.48570.5333) H Index: 41 IF: 3.4 DOI: [10.22055/jacm.2025.48570.5333](https://doi.org/10.22055/jacm.2025.48570.5333)
48. ***Rajat Srivastava***, and, ***Ram Prakash Sharma***, Central composite design-based parametric study of magnetically dissipative Darcy–Forchheimer hybrid nanofluid flow over an expanding sheet, **Journal of Applied and Computational Mechanics**, xx(x) (2025) xxx-xxx Publisher: [Shahid Chamran University of Ahvaz](https://doi.org/10.22055/jacm.2025.48570.5333) H Index: 41 IF: 3.4 DOI: [10.22055/jacm.2025.48570.5333](https://doi.org/10.22055/jacm.2025.48570.5333)

49. V. Vinay Kumar, *Ram Prakash Sharma* and R. Naveen Kumar, The role of time-varying nanofluid flow and particle aggregation on the kinetics of homogeneous and heterogeneous reactions in position controlled squeezing porous slider, **Proceedings of The Institution of Mechanical Engineers Part N- Journal of Nanomaterials Nanoengineering and Nanosystems**, [First published June 21,2025](#) H index: 27, IF: 5.1 Publisher: [Sage Publications Ltd](#) DOI: <https://doi.org/10.1177/23977914251338162> Q2
50. Biswas Arpita, *Ram Prakash Sharma*, and Utpal Kumar Saha, Sensitivity analysis of heat transfer in water- and kerosene-based trihybrid nanofluids in MHD Casson flow, **Multiscale and Multidisciplinary Modeling, Experiments and Design** 8 (8) (2025) 1-28 Article number 354 H index: 19, IF: 2.0 PUBLISHER: SPRINGER NATURE DOI: <https://doi.org/10.1007/s41939-025-00934-9> Q2
51. *Ram Prakash Sharma*, Seema Tinker, Om Prakash & Brajesh Kumar Kulshrestha, Hybrid Nanofluid Flow for Mixed Convection along a Vertical Sheet in Presence of Porous Media with Heat Source, Variable Temperature, and Thermal Radiation, **Indian Journal of Pure & Applied Physics** Vol. 63, June 2025, pp. 451-459 DOI: [10.56042/ijpap.v63i6.8481](https://doi.org/10.56042/ijpap.v63i6.8481) IF:1.1 HI: 48 Publisher: [National Institute of Science Communication and Information Resources \(NISCAIR\)](#), CSIR Publication Q3
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 2. P. Mohan Krishna, Ram Prakash Sharma, N. Sandeep, Boundary layer analysis of persistent moving horizontal needle in Blasius and Sakiadis MHD radiative Nanofluid flows, *Nuclear Engineering and Technology* (ELSEVIER/South Korea) 49(8) (2017) 1654-1659. [Korean Nuclear Society, ISSN: 1738-5733, 2234-358X, Impact Factor (2020): 2.341, h-Index: 40]. DOI: <https://doi.org/10.1016/j.net.2017.07.023>.

3. Sanatan Das, A Sen Sharma, Rabindra Nath Jana, *Ram Prakash Sharma*, Slip flow of nanofluid past a vertical plate with ramped wall temperature considering thermal radiation, *Journal of Nanofluids*, 6(6) (2017) 1054-1064. [American Scientific Publishers, ISSN: 2169-432X, Impact Factor (2021): 1.74, h-Index: 17]. Citations: 0.0. DOI: [10.1166/jon.2017.1392](https://doi.org/10.1166/jon.2017.1392).
4. S. Das, A. Sen Sharma, R. N. Jana, and *Ram Prakash Sharma*, Stability of Nanofluid Flow Through a Vertical Channel with Wall Thermal Conductance and Radiation, *Journal of Nanofluids*, 6(4) (2017) 680–690. [American Scientific Publishers, ISSN: 2169-432X, Impact Factor (2021): 1.74, h-Index: 17]. Citations: 0.0. DOI: [10.1166/jon.2017.1357](https://doi.org/10.1166/jon.2017.1357).
5. P. Mohan Krishna, N. Sandeep, *Ram Prakash Sharma*, Computational analysis of plane and parabolic flow of MHD Carreau fluid with buoyancy and exponential heat source effects, *European Physical Journal Plus* (Springer/Italy), 132(5), 202 (2017) 1-15. [Springer Science + Business Media, ISSN: 2190-5444, Impact Factor (2021): 3.911, h-Index: 59]. Citations: 0.0. <https://doi.org/10.1140/epjp/i2017-11469-9>.
6. Sandeep N, *Ram Prakash Sharma*, Mohammad Ferdows, Enhanced heat transfer in unsteady magnetohydrodynamics nanofluid flow embedded with aluminum alloy nanoparticles, *Journal of Molecular Liquids* (ELSEVIER/Netherlands), 234 (2017) 437–443. [Elsevier, ISSN: 0167-7322, 1873-3166, Impact Factor (2021): 6.165, h-Index: 111]. DOI: [10.1016/j.molliq.2017.03.051](https://doi.org/10.1016/j.molliq.2017.03.051).
7. *Ram Prakash Sharma*, P.V.S. N. Murthy, and Devendra Kumar, Transient free convection MHD flow of a nanofluid past a vertical plate with radiation in the presence of heat generation, *Journal of Nanofluids*, 6(1) (2017) 80-86. [American Scientific Publishers, ISSN: 2169-432X, Impact Factor (2021): 1.74, h-Index: 17 DOI: <https://doi.org/10.1166/jon.2017.1297>.
8. *Ram Prakash Sharma*, K. Avinash, N. Sandeep, and O.D. Makinde, Thermal Radiation Effect on Non-Newtonian Fluid Flow over a Stretched Sheet of Non-Uniform Thickness, *Defect and Diffusion Forum*, 377 (2017) 242-259. [Trans Tech Publishers, ISSN: 1012-0386, 1662-9507, Impact Factor (2020): 0.96, h-Index: 31]. Citations: 0.0. DOI: <https://doi.org/10.4028/www.scientific.net/DDF.377.242>.
9. P. Mohan Krishna, N. Sandeep, *Ram Prakash Sharma*, O.D. Makinde, Thermal Radiation Effect on 3D Slip Motion of AlCu-Water and Cu-Water Nanofluids over a Variable Thickness Stretched Surface, *Defect and Diffusion Forum*, 377 (2017) 141-154. [Trans Tech Publishers, ISSN: 1012-0386, 1662-9507, Impact Factor (2020): 0.96, h-Index: 31]. Citations: 0.0. DOI: [10.4028/www.scientific.net/DDF.377.141](https://doi.org/10.4028/www.scientific.net/DDF.377.141).
10. Devendra Kumar, Junesang Choi, Jagdev Singh, and *Ram Prakash Sharma*, Numerical solution of nonlinear fractional Camassa-Holm equation, *Far East Journal of Mathematical Sciences (India)*, 101(1) (2017) 125-135. [University of Allahabad, ISSN: 0972-0871, Impact Factor (2020): 1.81, h-Index: 20]. Citations: 0.0. DOI: [10.17654/MS101010125](https://doi.org/10.17654/MS101010125).

11. S.R. Mishra, B. Nayak, Ram Prakash Sharma, MHD stagnation-point flow over a stretching sheet in the presence of non- Darcy porous medium and heat source/sink, *Defect and Diffusion Forum*, 374 (2017) 92-105. [Trans Tech Publishers, ISSN: 1012-0386, 1662-9507, Impact Factor (2020): 0.96, h-Index: 31]. Citations: 0.0. <https://doi.org/10.4028/www.scientific.net/DDF.374.92>
12. Y. Swapna, M.C. Raju, Ram Prakash Sharma and S.V.K. Varma, Chemical Reaction, Thermal Radiation, and Injection/Suction Effects on MHD Mixed Convective Oscillatory Flow Through a Porous Medium Bounded by Two Vertical Porous Plates, *Bulletin of Calcutta Mathematical Society (Calcutta Mathematical Society, India)*, 109(3) (2017) 189–210. [Calcutta Mathematical Society, ISSN: 0008-0659, Impact Factor (2020)

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1. Kalidas Das, Ram Prakash Sharma, Amit Sarkar, Heat and mass transfer of a second-grade MHD fluid over a convectively heated stretching sheet, *Journal of Computational Design and Engineering* 3(4) (2016) 330–336. [ISSN: 2288-4300, 2288-5048, Impact Factor (2021): 6.604, h-Index: 24] <https://doi.org/10.1016/j.jcde.2016.06.001>. SCIE (Web of Science).
2. Devendra Kumar and Ram Prakash Sharma, Numerical approximation of Newell-Whitehead-Segel equation of fractional Order, *Nonlinear Engineering- Modeling and Application*, 5(2) (2016) 81–86. [de Gruyter, ISSN: 2192-8010, 2192-8029, Impact Factor (2021): 3.03, h-Index: 15]. Citations: 0.0. DOI: <https://doi.org/10.1515/nleng-2015-0032>.
3. S. Das, R. N. Jana, Ram Prakash Sharma, and O. D. Makinde, MHD nanofluid flow and heat transfer in the Ekman layer on an oscillating porous plate, *Journal of Nanofluids*, 5(6) (2016), 968–981. [American Scientific Publishers, ISSN: 2169-432X, Impact Factor (2021): 1.74, h-Index: 17]. Citations: 0.0. DOI: [10.1166/jon.2016.1266](https://doi.org/10.1166/jon.2016.1266).
4. Pradip Kumar Gaur, Abhay Kumar Jha, and Ram Prakash Sharma, Magneto-polar fluid flow through a porous medium of variable permeability in slip flow regime, *International Journal of Applied Mechanics and Engineering*, 21(2) (2016) 323-339. [de Gruyter, ISSN: 1734-4492, 2353-9003, Impact Factor (2021): 0.77, h-Index: 8]. Citations: 0.0. DOI: <https://doi.org/10.1515/ijame-2016-0020>
5. Ram Prakash Sharma, Madhu Jain, and Devendra Kumar, Analysis of nonlinear Blasius equation to boundary layer flow over a flat plate, *Indian Journal of Theoretical Physics*, 64(1&2) (2016) 13-26,
6. Pradip Kumar Gaur, Ram Prakash Sharma, Abhay Kumar Jha, Radiative fluid flow over a non-linearly stretching sheet in a porous medium with chemical reaction, *Indian Journal of Theoretical Physics*, 64(1 & 2) (2016) 67-79.

Book Chapters-Three published

2015-2023 (03)

1. **Ram Prakash Sharma**, Abhay Kumar Jha, and Pradip Kumar Gaur, Soret effect on MHD convective flow through a porous medium in a vertical channel with first-order chemical reaction and thermal radiation, *Proceeding of Ramanujan Mathematical Society, Lecture notes series (Ramanujan Mathematical Society, India)*, 21 (2015) 147-162. [Ramanujan Mathematical Society, ISSN: 0970-1249, 2320-3110, Impact Factor (2020): 0.59, h-Index: 13]. Citations: 0.0.
2. Anjali Sharma, Sukanya Singh, and **Ram Prakash Sharma**, Growth Mindset in Engineering Pedagogy for Attitude Building with Meta cognition of Engineering Students, Book Chapter (2023) 31-47. published in *Engineering Pedagogy, A Collection of Articles in Honor of Prof. Amitabha Ghosh, Editors: Uday Shanker Dixit · Raghu Echempati · Sudip Dey (Eds.)* Publisher: Springer Nature Singapore Pte Ltd. ISBN 978-981-19-8015-2, ISBN 978-981-19-8016-9 (eBook), <https://doi.org/10.1007/978-981-19-8016-9>
3. **Ram Prakash Sharma**, S.K. Ghosh and S. Das, MHD flow in a rotating channel surrounded in a porous medium with an inclined magnetic field. Book Chapter (2021) 369-384. published in *Energy Systems and Nanotechnology*, Editors: Tripathi, Dharmendra, Sharma, Ravi Kumar (Eds.) Publisher: Springer, Print ISBN978-981-16-1255-8, Online ISBN978-981-16-1256-5, <https://doi.org/10.1007/978-981-16-1256-5> 18

Organization of Conference/Workshop:

1. A two-week Yoga program was organized by Prof. Ram Prakash Sharma, Department of Mechanical Engineering, National Institute of Technology Arunachal Pradesh, from June 08 to June 21, 2025
2. Organized **3rd International Conference on Agriculture-Centric Computation (ICA-2025) Organized (with IIT Guwahati & IIT Ropar) as Co-organizer** during May 13-16, 2025 at IIT Guwahati.
3. प्रोफेसर राम प्रकाश शर्मा द्वारा भारतीय शिक्षण मंडल के ५६ वें स्थापना दिवस के अवसर पर विषय "उन्नत भारत के लिए प्राचीन भारतीय भाषाएँ: प्रभाव, नवाचार और समृद्धि" पर एक कार्यक्रम का आयोजन राष्ट्रीय प्रौद्योगिकी संस्थान अरुणाचल प्रदेश में किया गया। इस अवसर पर, प्राचीन भाषाओं और आधुनिक भारत में उपयोगिता और नवाचार में उनके योगदान पर विशेषज्ञों द्वारा चर्चा की गई है।
4. A one-week workshop on 'Heat and Mass Transfer Problems in Computational Fluid Dynamics' was organized by Prof. Ram Prakash Sharma, Department of Mechanical Engineering, National Institute of Technology Arunachal Pradesh, from April 21 to April 25, 2025.
5. The 135th Birth Anniversary of Dr. B. R. Ambedkar Sahab was celebrated on 14th April 2025, organized by Prof. Ram Prakash Sharma, Professor, Department of Mechanical Engineering, National Institute of Technology, Arunachal Pradesh-791113

6. A one-week workshop on 'Numerical, Analytical, and Machine Learning Techniques for Fluid Dynamics' was organized by Prof. Ram Prakash Sharma, Department of Mechanical Engineering, National Institute of Technology Arunachal Pradesh, from February 10 to 14, 2025.
7. A one-week Yoga program was organized by Prof. Ram Prakash Sharma, Department of Mechanical Engineering, National Institute of Technology Arunachal Pradesh, from June 16 to June 21, 2024
8. Organization of **3rd International Conference on Applied Mathematics in Science and Engineering (AMSE-2024) Organized (with ITER, Siksha 'O' Anusandhan (Deemed to be University)) as Co-organizer** during July 25-27, 2024 at ITER, Siksha 'O' Anusandhan, University Bhubaneswar, Odisha sponsored by NIT Arunachal Pradesh-791113, India.
9. **Organized (with Association of IIT Madras) One Month New India Internship North East for Sustainable, Inclusive and Equitable Development** approved by the Prime Minister of India office (PMO) **and conducted at NIT Arunachal Pradesh for students of IIT Madras and NIT Arunachal Pradesh** from 10th December 2023 to 9th January 2024.
10. Organization of **International Conference on the History of Mathematics Organized (with Association of** Centre for Indian Knowledge Systems, IIT Guwahati **as Co-organizer** during January 19-21, 2024, at **IIT Guwahati**, sponsored by NIT Arunachal Pradesh-791113, India.
11. Organized Festival of unity, celebration from 25th to 31st October 2022 on the occasion of 'Unity Day' on the birth anniversary of Sardar Vallabhbhai Patel held on 31st October 2022 at NIT Arunachal Pradesh Campus.
12. Organized Bharatiya Janata Yuva Morcha Sushasan Yatra on 30th October 2022 at NIT Arunachal Pradesh.
13. Organized National Seminar on Gandhi Jayanti held on 2nd October 2022 at NIT Arunachal Pradesh.
14. Organized National Seminar on Subhash Swaraj Sarkar - Research Paper writing Competition on 29th August 2022 at NIT Arunachal Pradesh in collaboration with Bharatiya Shikshan Mandal Arunachal Prant.
15. डॉ. राम प्रकाश शर्मा, मैकेनिकल इंजीनियरिंग विभाग, राष्ट्रीय प्रौद्योगिकी संस्थान अरुणाचल प्रदेश - 791113, ने 14-29 सितंबर 2022 तक हिंदी पखवाड़ा 2022 का आयोजन किया।
16. Organized one Day Guru Purnima seminar at National Institute of Technology Arunachal Pradesh-791113 on 21st July, 2022.
17. Organized one Day Guru Purnima seminar at Govt. school Jote-791113 on 21st July, 2022.

18. Organized 15 Days Yoga Training Programme on Common Yoga Protocol (CYP) at National Institute of Technology Arunachal Pradesh-791113 during April 09 - April 24, 2022.
19. Organized one week National workshop on Yoga at National Institute of Technology Arunachal Pradesh-791113 during April 10 - April 14, 2022.
20. Organized Teacher's Enrichment Workshop-(TEW) on Partial Differential Equations at National Institute of Technology Arunachal Pradesh-791113 during February 17 - March 13, 2022.
21. Organized हिन्दी पखवाड़ा at National Institute of Technology Arunachal Pradesh during 14-09-2021 to 29-09-2021 invited keynote speakers were प्रो अनंत कुमार नाथ, पूर्व आचार्य एवं अध्यक्ष, हिंदी विभाग, तेजपुर विश्वविद्यालय, असम, प्रो. टी.वी. कटीमनी, कुलपति, केन्द्रीय जनजातीय विश्वविद्यालय, आन्ध्र प्रदेश, प्रो. अनिल राय, हिंदी विभाग, दिल्ली विश्वविद्यालय, असमिया, नेपाली एवं अंग्रेजी भाषा की प्रख्यात लेखिका प्रो. गीता उपाध्याय, तेजपुर (असम), प्रो. राकेश कुमार सिंह, प्रमुख, हिंदी विभाग, सत्यवती कॉलेज, दिल्ली विश्वविद्यालय, प्रो. रजनीश कुमार शुक्ल, कुलपति, महात्मा गांधी अंतरराष्ट्रीय हिंदी विश्वविद्यालय, वर्धा एवं प्रो. श्रीप्रकाश मणि त्रिपाठी, कुलपति, इंदिरा गांधी राष्ट्रीय जनजातीय विश्वविद्यालय, अमरकंटक, मध्यप्रदेश, प्रो. नन्द किशोर पाण्डेय, अधिष्ठाता-कला संकाय तथा शोध निदेशक, राजस्थान विश्वविद्यालय जयपुर।
22. Organized National Seminar in the Azadi Ke Amrit Mahotsav (75th Anniversary of Independence) Celebration of National Science Day Under the Umbrella of Gandhi Study Centre, NITAP, at National Institute of Technology, Arunachal Pradesh on 28th February 2022.
23. Organized National Conference **On the celebration of Gandhi Jayanti 2021**, Chief Guest **Prof. Sanjeev Kumar Sharma, Vice Chancellor, Mahatma Gandhi Central University, Motihari (Bihar)**. Guest of Honour, **Prof. Ramesh K Arora**, Former Dean, University of Rajasthan, Jaipur.
24. Organized one day international webinar on National Education Policy 2020-Special Reference Academic Credit Bank system fourth **Popular Lecture Series**- delivered by Professor of Mathematics and former Vice chancellor of Delhi University Padma Shri Prof. Dinesh Singh, at National Institute of Technology Arunachal Pradesh-791112 on 08-August-2021.
25. Organized one day webinar on "Issues of Engineering Education: The Indian System" third **Popular Lecture Series**- delivered by **Prof. Amitabha Ghosh**, at National Institute of Technology Arunachal Pradesh-791112 on 15-February-2021.

26. Organized one-day webinar on Teachers role in NEP-2020 implementation Awareness, orientation, challenges and responses: **Second Popular Lecture Series**- delivered by Prof. Anand Kumar (JNU), Prof. Vasudha Kamat (Mumbai) and Dr. Sunil Mohanty (Arunachal Pradesh) NIT Arunachal Pradesh in collaboration with NITI Aayog and Bharatiya Shikshan Mandal at National Institute of Technology Arunachal Pradesh-791112 on 12-February-2021.
27. Organized **First Popular lecture series- delivered by Prof. Vasudha Kamat**, a well-known educationist, Member, *National Education Policy* Draft Committee, Government of India, Former Vice-Chancellor, SNTD Women's University Mumbai at National Institute of Technology Arunachal Pradesh-791112 on 17-November-2020.
28. Organized a **One-month yoga training program** online at National Institute of Technology, (Ministry of HRD Govt. of India) Arunachal Pradesh, Yupia-791112 during 6th August-5th September 2020, sponsored by TEQIP-III, India.
29. Organization of an **International Conference on New Vistas in Pure & Applied Mathematics and Statistics, organized (with Department of Mathematics, University of Rajasthan, Jaipur) as Co-organizer** which is organized by Department of Mathematics, University of Rajasthan, Jaipur during 24th -26th November 2019 at **Department of Mathematics, University of Rajasthan, Jaipur**, Rajasthan sponsored by NIT Arunachal Pradesh-791112, India.
30. Organization of **1st International Conference on Applied Mathematics in Science and Engineering (AMSE-2019) Organized (with ITER, Siksha 'O' Anusandhan (Deemed to be University)) as Co-organizer** during October 24-26, 2019 at ITER, Siksha 'O' Anusandhan, University Bhubaneswar, Odisha sponsored by NIT Arunachal Pradesh-791112, India.
31. **Organization a National Conference on Relevance of Mahatma Gandhi Today (RMGT-2019)** during September 28-29, 2019 at National Institute of Technology Arunachal Pradesh-791112, sponsored by TEQIP-III, India.
32. Organization of an **Annual Foundation School-II** (2018) Convener (with Prof. Anant R. Shastri Emeritus Fellow Department of Mathematics, I.I.T. Bombay, Powai, Mumbai 4000 76, Umesh K.V. Dubey, HRI, Allahabad) Annual Foundation School - II (2018) and Prof. D. C. Sharma, the Central University of Rajasthan, During December 3 - December 29, 2018.
33. Organization of an **Annual Foundation School-I** (2015) Convener (with Prof. Anant R. Shastri Emeritus Fellow Department of Mathematics, I.I.T. Bombay, Powai, Mumbai 4000 76) Annual Foundation School - I (2015) During November 30 - December 26th, 2015 at

JECRC University, Jaipur sponsored by National Centre for Mathematics, A Joint Centre of IIT Bombay and TIFR, Mumbai.

34. Organization of an **International Conference 2013 (ICHDM)** organized (with Prof. S.G. Dani and Prof. Dinesh Singh) the International Conference on History and Development of Mathematics (ICHDM-2013) During November 29-30 and December 1st 2013 at JECRC University, Jaipur sponsored by NBHM, ICHR, CSIR, INSA and DST Rajasthan, India.

List of (some) External Ph. D Thesis Evaluations (India and abroad)

- **Mrs. Anjali Kailas Shinde** in the Department of Mathematics, **faculty of Science and Technology**, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad-431004(MS), India, Dated 30-09-2022.
- **Rekha J** (USN: 1CD15PGJ01), In the Faculty of Science–Mathematics to Visvesvaraya Technological University Belagavi-590 018, Karnataka State, India, Dated 30-09-2022.
- **Mahesh Kumar R** (USN: 1DA15PGJ08), Research Scholar, in the Faculty of Science–Mathematics to Visvesvaraya Technological University Belagavi-590 018, Karnataka State, India,
- **Musawenkhoosi Patson Mkhathshwa**, School of Mathematics, Statistics & Computer Science under supervision of Prof S. S. Motsa and Prof P. Sibanda in the School of Mathematics, Statistics, & Computer Science, College of Agriculture, Engineering and Science, University of KwaZulu-Natal, Pietermaritzburg campus, Private Bag X01, Scottsville, 3209 South Africa
- **G. VEMBARASI**, Department of Mathematics Bharathidasan University Tiruchirappalli, Tamil Nadu, India on 15-05-2022.
- **Mrs. M. Kavitha**, Department of Mathematics, School of Science GITAM (Deemed to be University) Hyderabad Campus, India on 14-05-2022.
- **R. SWAMINATHAN**, Department of Mathematics Bharathidasan University Tiruchirappalli, Tamil Nadu, India on 05-05-2022.
- **Ms. L. MAHALAKSHMI**, Department of Mathematics Bharathidasan University Tiruchirappalli, Tamil Nadu, India on 01-05-2022.
- **Mr. Shashikumar N.S.**, Kuvempu University, Jnana Sahyadri, Shankaraghatta-577 451, Shivamogga, Karnataka
- **N. ANNAMALAI**, Department of Mathematics Bharathidasan University Tiruchirappalli, Tamil Nadu, India
- **Mr. Bimalesh Nayak**, Siksha 'O' Anusandhan University, Bhubaneswar-751030, Odisha
- **Mr. Shankar Rao**, Pondicherry University, Pondicherry
- **Mrs. Madhusmita Barik**, Siksha 'O' Anusandhan University, Bhubaneswar-751030, Odisha

- Mr. Manas Dutta, Guwahati University.
- Mr. Pawan Kumar Dixit, University of Lucknow, Lucknow-226 007, India
- Mr. Sanjeeva Kumar Singh, University of Lucknow, Lucknow-226 007, India
- Mr. V. Gowri Sankara Rao, Andhra University, Visakhapatnam - 530 003, A.P., India.

National awards:

- **Prof. Ram Prakash Sharma, Top 2% Scientists of the world on the survey of Elsevier and Stanford University USA, 2024**
- **Best Educationist Award 2011** for Outstanding Achievements in the Field of Education, 2011
Presented by Indian Solidarity Council (ISC), New Delhi. 17-September -2011.
- **Award of excellence 2012** for outstanding Achievements in the Field of Education, 2012
Presented by Indian Development Foundation, Mumbai, 15-09-2012
- **Social Action Award 2014** for outstanding Achievements in the Field of Education, 2014
Presented by Indian Development Foundation, Mumbai. 09-09-2014
- **Award of excellence 2017** for outstanding Achievements in the Field of Education, 2017
Presented by Indian Development Foundation, Mumbai, 05-09-2017
- **Social Action Award 2018** for outstanding Achievements in the Field of Education, 2018
Presented by Indian Development Foundation, Mumbai, date of event: 10-09-2018

Achievements:

- ✚ Elected Joint Secretary of Executive committee of ISTAM (International Society for Theoretical and Applied Mechanics, IIT Kharagpur) From December 2015 for three years.
- ✚ Elected Member of Executive committee of ISTAM (International Society for Theoretical and Applied Mechanics, IIT Kharagpur) From December 2014 for three years.
- ✚ **Madhava Mathematics Competition-2014, 15 (MMC):**
Rajasthan Convener [Coordinator]: Dr. Ram Prakash Sharma, (for Rajasthan region) Dept. of Mathematics, JECRC University, Jaipur-303905.

Ph. D. Information

Title:	A Study of Free/Forced Convection Flow Problems of Fluid Dynamics
Name of Guide:	Prof. P. R. Sharma
Date of awarded:	25- August- 2003
University:	University of Rajasthan
Date of Registration:	10-April-1999
Date of Submitted:	09-April-2003
Ph. D. Guided:	16
Ph. D. Pursuing	04

M. Tech. Project Completed 5 Students

B. Tech. Project Completed 15 Students

Participation and Paper Presented an International Conferences/Seminars: 22

1. Participated and presented a paper entitled “**Heat source and chemical reaction effect on Molybdenum disulfide (MoS₂)-engine oil (EO) based MHD nanofluid flow in a moving plate**” in the **2nd International Conference on Numerical Heat Transfer & Fluid Flow (NHTFF-2020)** during 17th-19th January 2020 (In the memory of Late Prof. T. K. V. Iyengar on the eve of his birth anniversary) organized by the Department of Mathematics, National Institute of Technology, Warangal.
2. Participated and presented a paper entitled “**Heat and mass transfer effect of MHD rotating fluid past a vertical surface with variable thermal conductivity under the Influence of chemical reaction and thermal radiation effect**” in the **64th Congress (an International Conference) of Indian Society of Theoretical and Applied Mechanics (ISTAM-2019)** during 9th-12th December 2019 organized by School of Mechanical Sciences and School of Basic Sciences (Mathematics), Indian Institute of Technology, Bhubaneswar.
3. Participated and presented a paper entitled “**Heat Source and chemical reaction on heat and mass transfer of MHD rotating fluid over a vertical sheet with variable thermal conductivity.**” in the **20th International Conference of International Academy of Physical Sciences (CONIAPS XX)** on Recent advances in Physical Sciences and future challenges’ held at Faculty of Science (Department of Mathematics, Physics, and Chemistry), Osmania University, Hyderabad during 14-16 July 2017.
4. Participated and presented a paper entitled “**A study effect of activity-based teaching strategies on student performance level in Mathematics Discipline**” in the **3rd International Conference on New Frontiers of Engineering, Science, Management and Humanities (ICNFESMH-2017)** held at Institution of Electronics and Telecommunication Engineers, Chandigarh, India on 29th July 2017.
5. Participated and presented a paper entitled, **Mixed convection flow of a heated vertical plate in the stagnation region due to impulsive motion with thermal dispersion effect in a porous medium,** **International Conference on Recent Advances in Mathematics and Their Applications (ICRAMTA-2016)** from 10-12 July 2016 Organized by the Department of Mathematics, University of Rajasthan, Jaipur-302004, India.
6. Participated and presented a paper entitled “**Analytical solution of MHD natural convection flow through a porous medium bounded by a vertical channel with chemical reaction, radiation and heat source**” in the **International Conference on Recent Advances in Mathematics and Their Applications (ICRAMTA-2016)** from 10-12 July 2016 Organized by the Department of Mathematics, University of Rajasthan, Jaipur-302004, India.

7. Participated and presented a paper entitled “**MHD oscillatory flow and heat transfer through a channel saturated with a porous medium in the presence of heat source**” in the **International Conference on Recent Advances in Mathematics and Their Applications (ICRAMTA-2016)** from 10-12 July 2016 Organized by the Department of Mathematics, University of Rajasthan, Jaipur-302004, India.
8. Participated and presented a paper entitled “**Transient natural convection MHD flow past a vertical plate saturated in porous media with exponentially decaying wall temperature in the presence of heat source and radiation**” in the **International Conference on Recent Advances in Mathematics and Their Applications (ICRAMTA-2016)** from 10-12 July 2016 Organized by the Department of Mathematics, University of Rajasthan, Jaipur-302004, India.
9. Participated and presented a paper entitled “**A mathematical model of MHD micropolar fluid flow under the influence of heat source, thermal-diffusion, and diffusion-thermo effects**” in the **60th Congress (an International Conference) of Indian Society of Theoretical and Applied Mechanics (ISTAM-2015)** during 16-19 December 2015 organized by Department of Mechanical Engineering, Malaviya National Institute of Technology, Jaipur – 302017.
10. Participated and presented a paper entitled “**Unsteady MHD flow and heat transfer in a channel with porous medium**” in the **International Conference on Current Developments in Mathematics and Mathematical Sciences (ICCDMMS-2014)** from 19-20 December 2014 Organized by the Calcutta Mathematical Society.
11. Participated and presented a paper entitled “**Soret effect on MHD convective flow through a porous medium in a vertical channel with first-order chemical reaction and thermal radiation**” In the **29th Annual Conference of Ramanujan Mathematical Society, 2014** held at IISER, Pune from 23-27 June 2014.
12. Participated and presented a paper entitled “**Unsteady mixed connective MHD heat and mass transfer flow with induced magnetic field and heat generation effect**” in the **International Conference on History and Development of Mathematical Sciences & Symposium on Nonlinear Analysis ICHDMS-2012** from 21-24 November 2012 Events to Commemorate 125th Birth Anniversary of Srinivasa Ramanujan Organized by Department of Mathematics Maharshi Dayanand University, Rohtak & Indian Society for History of Mathematics.
13. Participated and presented a paper entitled “**Astronomy At Indian Stone Observatories: An Overview**” in the **International Seminar On History Of Mathematics (ISHM-2012) From 19-20 November 2012 In Event Celebrating The National Mathematical Year 2012** To Commemorate 125th Birth Year of Srinivasa Ramanujan Organized by Ramjas College, University Of Delhi & Indian Society for History of Mathematics Co-Sponsored By (ICHM) International Commission On The History Of Mathematics.

14. Participated and presented a paper entitled “**Astronomy at Jantar Mantar Observatories: Lessons from the Past**” in the **IInd World Veda Conference-2012** from 4-7 November 2012 organized by Maharishi Sandipani Rashtriya Vedvidya Pratishthan, Ujjain, Madhya Pradesh, India.
15. Participated and presented a paper entitled “**Magneto-hydrodynamic flow of a viscous electrically conducting fluid through a porous medium induced by a rotating disk with suction**” in an **International Conference on Computational Methods in Manufacturing (ICMM-2011)** held at Department of Mechanical Engineering, IIT Guwahati during 15-16 December 2011.
16. Participated and presented a paper entitled “**Forced flow of a conducting fluid through a porous medium induced by a rotating disk with suction**” in an **International Conference on Advances in Modeling, Optimization and Computing (AMOC-2011)** held at Department of Mathematics, IIT Roorkee during 5-6 December 2011.
17. Participated and presented a paper entitled “**Capillaries for oxygen transport under chemical reaction**” in an **International Conference on Advances in Modeling, Optimization, and Computing (AMOC-2011)** held at Department of Mathematics, IIT Roorkee during 5-6 December 2011.
18. Participated and presented a paper entitled “**Mass transfer with chemical reaction effects on MHD free convective flow past an acceleration vertical plate**” in an **International Conference on Fluid Dynamics and its applications** held B. N. M. Institute of Technology, Banashankari 2nd Stage, Bangalore-560 070 during 20-22 July 2011.
19. Participated and presented a paper entitled “**An efficient pruning technique in association rule mining from a market analyst perspective**” in an **International Congress on Productivity, Quality, Reliability, Optimization And Modeling A Journey Towards Excellence** held During 7-8 February 2011 Jointly organized by Indian Statistical Institute (ISI), Quality Council of India and Defense Research and Development Organization at DRDO and ISI, New Delhi.
20. Participated and presented a paper entitled “**Laminar MHD mixed convection flow adjacent to vertical flat surface embedded in a thermally stratified medium**” in the **12th International Conference of International Academy of Physical Sciences (CONIAPS XII)** on Emerging Interfaces of Physical Sciences’ held at University of Rajasthan, Jaipur, India during 22-24 December 2010.
21. Participated and presented a paper entitled “**Mean flow and mean temperature of a non-Newtonian fluid along with a porous moving horizontal plate in the presence of oscillating free stream**” in the **53rd Congress of Indian Society of theoretical and Applied Mechanics (ISTAM-2008, an International Meet)** organized by University College of Engineering(A), Osmania University, Hyderabad during 27-30 December 2008.
22. Participated and presented a paper entitled in an **International Conference on Mathematical Modeling and Computer Simulation** organized by LNMIIT, Jaipur during 12-15 December 2006.

Participation and Paper Presented at National Conferences/Seminars: 32

1. Participation and presented a paper entitled “**Performance of Convective Boundary Condition and Thermal Radiation On MHD Micropolar Fluid Flow: A Theoretical Study**” in **National Conference on Industrial Applications of Mathematics and its Developments (NCIA MD-2020)**, held during 13th&14th March 2020, Organized by Department of PG Studies and Research in Mathematics, Kuvempu University, Jnanasahyadri Shankaraghatta-577 451, Shivamogga.
2. Participation and presented a paper entitled “**Squeezing flow analysis of Cu-water and Cu-kerosene nanofluids with dissipative energy**” in **the National Conference on Recent Advancement in Physical Sciences** organized by Department of Chemistry, Physics & Mathematics, NIT Uttarakhand during December 19-20, 2019 at Satellite Campus-MNIT Jaipur
3. Participation and presented a paper entitled “**MHD motion of Brinkman-Type Eo Based molybdenum disulfide nanofluid in a moving plate** due to thermal radiation, chemical reaction, heat source and hall effect” in **34th Annual Conference of the Ramanujan Mathematical Society (RMS)** organized by Department of mathematics, Pondicherry University during August 1-3, 2019.
4. Participation and presented a paper entitled “**Transient free convective MHD flow of a nanofluid over a vertical surface in the presence of heat source**” in 21st Annual Conference of the Vijnāna Parishad of India on Modeling, Optimization, and Computing for Technological and Sustainable Development (MOCTSD-2019) organized by Department of Mathematics, SRMIST, Delhi NCR Campus, Ghaziabad during 26th to 28th April 2019.
5. Participation and presented a paper entitled “**Transient free convection MHD flow of a nanofluid past a vertical plate with Ohmic dissipation on ...heat generation**” in 32nd Annual Conference of the Ramanujan Mathematical Society (RMS) Jointly organized by Department of mathematics Rani Channamma University, Belagavi & Visvesvaraya Technological University, Belagavi during 23-25 June 2017.
6. Participated and presented a paper entitled “**Effect of chemical reaction and radiation on MHD natural convection flow past a vertical channel with heat source through porous medium**” in the 31st Annual Conference of the Ramanujan Mathematical Society (RMS) held at National College Campus, Tiruchirappalli – 620001 during 18-21 June 2016.
7. Participated and presented a paper entitled “**A hybrid computational Approach for Steady Flow of Walters B Fluid in a Vertical Channel with Porous Wall**” in the 31st Annual Conference of the

Ramanujan Mathematical Society (RMS) held at National College Campus, Tiruchirappalli – 620001 during 18-21 June 2016.

8. Participated and presented a paper entitled “**MHD flow of a polar fluid through a porous medium bounded by horizontal parallel plates with variable permeability**” in the National Conference on Advances in Mathematics-2014 held at Amity University Rajasthan, Jaipur on 21-23 November 2014.
9. Participated and presented a paper entitled “**An efficient analytical technique for MHD viscous flow due to a shrinking sheet**” in a National Conference On “Advances in Mathematical Sciences and Applications in Engineering & Technology” organized by Poonima University, Jaipur, India, during 25-26 July 2015.
10. Participated and presented a paper entitled “**Development of mathematics in India: Bakhshali manuscript**” at National Meet of Research Scholars in Mathematics Sciences (NMRSMS-2013) from 24-28 February 2014 sponsored by SERB, DST, Govt. Of India and held at the Department of Mathematics, University of Pune.
11. Participated and presented a paper entitled “**MHD Mixed convection flow past an infinite vertical plate with chemical reaction in slip flow regime**” in the national conference on “ National seminar on contributions of Ramanujan in Mathematics and its Applications in Mathematical sciences” during 6-7 March 2014 organized by Department of Mathematics, Govt. Madhava Science P. G. College, Ujjain (M.P.) India.
12. Participated and presented a paper entitled “**Mixed convection flow of micropolar fluid from a vertical surface with slip flow and chemical reaction**” in the national conference on “ National seminar on contributions of Ramanujan in Mathematics and its Applications in Mathematical sciences” during 6-7 March 2014 organized by Department of Mathematics, Govt. Madhava Science P. G. College, Ujjain (M.P.) India.
13. Participated and presented a paper entitled “**A study of the attitude of mathematics teachers' towards the curriculum of mathematics implemented by NCERT**” in the 100th Indian Science Congress held at Calcutta University, Kolkata from 3-7 January 2013.
14. Participated and presented a paper entitled “**Unsteady MHD flow and heat transfer in a channel with porous medium**” in UGC Sponsored-National Seminar on Recent Advances in Applied Mathematics and 16th Prof. P. D. Verma Memorial Lecture held at Department of Mathematics University Of Rajasthan, Jaipur, India, 29 July 2012.
15. Participated and presented a paper entitled “**Flow and transport in Porous media**” in a National Conference on ‘Recent Trends in Microwave Techniques and Applications’ held at S.S. Jain Subodh P.G. College, Jaipur during July 30 to August 1st, 2012.

16. Participated and presented a paper entitled “**A Note On Mathematical Developments In India**” in the National Seminar on “Advances in Mathematics: Historical Developments & Engineering Applications” organized by Department of Mathematics, Madhuban & Bhanubhai Patel Women Institute Of Engineering for Studies & Research in Computer & Communication Technology New Vallabh Vidhyanagar-388121, Indian Society for History of Mathematics and Gujarat Technological University during 9-11 January 2012.
17. Participated and presented a paper entitled “**A Note On History Of Mathematics**” in the National Seminar on “Advances in Mathematics: Historical Developments & Engineering Applications” organized by Department of Mathematics Madhuben & Bhanubhai Patel Women Institute of Engineering for Studies & Research in Computer & Communication Technology New Vallabh Vidhyanagar-388121 Indian Society for History of Mathematics and Gujarat Technological University during 9-11 January 2012.
18. Participated and presented a paper entitled “**A Note on a Brief History of Mathematics**” in an Annual Session of the Academy the National Academy of Sciences, India held on 2-4 December 2010 at Jaipur National University, Jaipur.
19. Participated and presented a paper entitled “**Great Mathematician Ramanujan**” in the National Conference of 19th Annual Conference of Rajasthan Ganita Parishad and Symposium on ‘Numerical Techniques and their Applications in Mathematics’ held on 18-19 January 2008 at JEC, Kukas, Jaipur.
20. Participated and presented a paper entitled “**Heat and mass transfer in MHD three dimensional free convection flow past a vertical surface with periodic suction**” in the UGC Sponsored National Conference on ‘Mathematical Modeling: Applications and 18th Annual Conference of Rajasthan Ganita Parishad held at Department of Mathematics, M.S.J.(Govt.) College, Bharatpur (Rajasthan) India during 19-20 January 2007.
21. Participated and presented a paper entitled “**MHD Free convection flow past an infinite vertical plate with first-order chemical reaction and heat source/sink**” in the UGC Sponsored National Conference on ‘Mathematical Modeling: Applications and 18th Annual Conference of Rajasthan Ganita Parishad held at Department of Mathematics, M.S.J.(Govt.) College, Bharatpur (Rajasthan) India during 19-20 January 2007.
22. Participated and presented a paper entitled “**Mathematics in Vedic Period**” in a National Conference on ‘Value-based education in National Context’ held at S.S. Jain Subodh P.G. College, Jaipur during 4-5 March 2006.
23. Participated and presented a paper entitled “**Free convective MHD flow through a porous medium in presence of a heat source with constant heat flow**” in the 16th Annual Conference of Rajasthan Ganita Parishad held at Department of Mathematics, Government College Ajmer, Rajasthan, India during 26-27 February 2005.

24. Participated and presented a paper entitled “**Effect of radiation on unsteady free convective and mass transfer MHD flow past a vertical surface bounded by a porous medium with variable permeability and suction**” in the National Conference of the National Academy of Sciences, India held at Under the Joint Auspices of the University of Rajasthan and Birla Institute of Scientific Research, Jaipur during 2-4 December 2004.
25. Participated and presented a paper entitled “**The influence of heat source on unsteady free convective heat and mass transfer MHD flow over a vertical sheet bounded by a porous medium.**” in the National Conference of The National Academy of Sciences, India held at Under the Joint Auspices of the University of Rajasthan and Birla Institute of Scientific Research, Jaipur during 2-4 December 2004.
26. Participated and presented a paper entitled “**Unsteady flow and heat transfer to magnetohydrodynamic flow through an inclined channel in porous medium**” in the National Conference on Mathematical Modeling and Analysis (NCMM-04) held at BITS, Pilani during 8-9 October 2004.
27. Participated and presented a paper entitled “**Unsteady free convective MHD flow chart in an infinite hot vertical porous plate with variable temperature**” in the National conference held at Dau Dayal Institute of Vocational Education, Dr. B. R. Ambedkar University, Agra during 10-12 April 2004.
28. Participated and presented a paper entitled “**Unsteady MHD flow and heat transfer along with a horizontal porous plate in the presence of heat source and periodic free stream**” in the XIVth Annual Conference of the Rajasthan Ganita Parishad held at Department of Mathematics, S.M.P.B.J. Govt. College, Sheoganj, Sirohi, Rajasthan, India during 27-28 January 2003.
29. Participated and presented a paper entitled “**MHD flow through a circular duct in the presence of heat source with porous material**” in the XVIIIth Annual Conference of Rajasthan Ganita Parishad held at Department of Mathematics & Statistics, M.L. Sukhadia University, Udaipur, Rajasthan (India) during 14-15 December 2001.
30. Participated and presented a paper entitled “**Free convection effect on the mean flow of a non-Newtonian fluid along porous moving vertical plate in the presence of an oscillating free stream**” in the 12th Annual Conference of the Rajasthan Ganita Parishad held at Department of Mathematics M. L. V. Govt. College, Bhilwara, Rajasthan, India during 3-4 November 2000.
31. Participated and presented a paper entitled “**An exponential Fourier series associated with a general class of polynomials and multivariable H-function**” in the 9th Annual Conference of the Rajasthan Ganita Parishad held at Department of Mathematics, Banasthali Vidyapeeth, Rajasthan, India during 8-9 February 1997.
32. Participated and presented a paper entitled “**Real inversion formula for Hermite and Euler transform**” in the 81st Indian Science Congress held at the Department of Mathematics, University of Rajasthan, Jaipur, India-302004 during 3-8 January 1994.

Participation in National and an International Conferences/ Seminars: 58

- 1. Dr. Ram Prakash Sharma**, Department of Mechanical Engineering attended Three- Day Workshop Sponsored by TEQIP-III RTU (ATU) on “NBA Accreditation Process” in association with Department of Electronics & Communication Engineering, B K Birla Institute of Engineering & Technology, Pilani, Rajasthan, India on August 29-31, 2020.
- 2. Dr. Ram Prakash Sharma**, Department of Mechanical Engineering attended One Week Online Workshop on “ODEs, PDEs, and Integral Equations: Their Engineering Context”, organized by Department of Mathematics, National Institute of Technology Uttarakhand, Srinagar (Garhwal), Uttarakhand-246174, India on September 21-26, 2020.
- 3. Dr. Ram Prakash Sharma**, Department of Mechanical Engineering, National Institute of Technology Arunachal Pradesh, attended in one-week online workshop on “ODEs, PDEs, and Integral Equations: Their Engineering Context (OPIE-2020)” sponsored by TEQIP-III and organized by the Department of Mathematics, National Institute of Technology, Uttarakhand, during 21–26 September, 2020.
- 4. Dr. Ram Prakash Sharma**, Department of Mechanical Engineering, National institute of technology Arunachal Pradesh-791112 participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on "Photography" from 2020-10-12 to 2020-10-16 at NIT Arunachal Pradesh.
- 5. Dr. Ram Prakash Sharma**, Department of Mechanical Engineering, National institute of technology Arunachal Pradesh-791112 participated & completed successfully International e-colloquium on Recent Advancements in Fluid Flow and Heat Transfer from October 19-25, 2020 Department of Mathematics, Indian Institute of Technology Roorkee, Roorkee – 247 667, Uttarakhand
- 6. Dr. Ram Prakash Sharma**, Department of Mechanical Engineering attended One Week Online short-term course on Computational Fluid Dynamics for Incompressible Flows” under the aegis of Knowledge Incubation Cell for TEQIP, Centre of Educational Technology, IIT Guwahati”, organized by Department of Mechanical Engineering of IIT Guwahati, Assam, India on November 9-13, 2020.
- 7. Dr. Ram Prakash Sharma**, Department of Mechanical Engineering attended TEQIP-III sponsored online Short-Term Course on “Advanced Manufacturing Processes – 2020” (AMP-2020) organized by Department of Mechanical Engineering, National Institute of Technology Manipur, India on November 16-20, 2020.
- 8. Dr. Ram Prakash Sharma**, Department of Mechanical Engineering attended TEQIP-III sponsored online Faculty Development Program (FDP) on Mathematics with Matlab and Mathematica organized by Discipline of Mathematics of IIT Indore, MP, India on November 23-28, 2020.
- 9. Dr. Ram Prakash Sharma**, Department of Mechanical Engineering session chair at International conference on recent trends in development of thermo-fluids and renewable energy (TFRE 2020)

organized by Department of Mechanical Engineering, National Institute of Technology Arunachal Pradesh-791112 in collaboration with Indian institute of Technology Guwahati, India on November 26-28, 2020.

- 10.***Dr. Ram Prakash Sharma*, Department of Mechanical Engineering attended TEQIP-III Sponsored Online Short-term Course on Introduction to Nonlinear Finite Element Method organized by Department of Applied Mechanics, Indian Institute of Technology Delhi during 1-5 December, 2020.
- 11.***Dr. Ram Prakash Sharma*, Department of Mechanical Engineering attended TEQIP-III sponsored online TEQIP sponsored short term course on Advanced Energy Science and Technology organized by Department of Physics, IIT Indore, MP, India on 7th-9th December, 2020.
- 12.***Dr. Ram Prakash Sharma*, Department of Mechanical Engineering attended TEQIP-III sponsored online TEQIP sponsored e-Workshop on Electrochemical Energy Storage Devices organized by Department of Chemical Engineering IIT Delhi, India on 7th-9th December, 2020.
- 13.***Dr. Ram Prakash Sharma*, Department of Mechanical Engineering attended Online Faculty Development Programme (FDP) on Mathematical Approaches in Mechanics organized by Discipline of Mathematics, Indian Institute of Technology Indore Sponsored Technical Education Quality Improvement Programme (TEQIP-3, NPIU) during December 24-31, 2020.
- 14.** *Dr. Ram Prakash Sharma*, Department of Mechanical Engineering attended International Webinar on Mathematical Models, Artificial Intelligence and Pandemic Responses organized by Department of Mathematics, Maharshi Dayanand University Rohtak, India on November 7, 2020.
- 15.***Dr. Ram Prakash Sharma*, Department of Mechanical Engineering attended two-Day International webinar on “Geometry of Continued Fractions: Ramanujan and his successors” organized by Srinivasa Ramanujan Department of Mathematics and Centre for Vedic Mathematical Studies, CUHP, TAB-Shahpur on 14-15 September 2020.
- 16.** *Dr. Ram Prakash Sharma*, Department of Mechanical Engineering attended 3 days First International Conference ICAMST-2020, Organized by Department of Mathematics Rajiv Gandhi University (A Central University), Arunachal Pradesh, India on 01-03 September 2020.
- 17.** Participated in an International Conference of the 900th Birth Anniversary of BHASKARACARYA’ Organized by Vidya Prasarak Mandal Vishnu Nagar, Nau pada, Thane during 19-21 September 2014.
- 18.** Participated in the ‘58th Congress of the Indian Society of theoretical and Applied Mechanics’ (ISTAM-2013), an International Conference held at during 18-21 December 2013 at Bengal Engineering and Science University, Shibpur, Howrah-711103, West Bengal, India.
- 19.** Participated in the International conference “THE LEGACY OF SRINIVASA RAMANUJAN” held during 17-22 December 2012 organized by the University of Delhi.

- 20.** Participated in an International Colloquium on History of Mathematical Sciences & Symposium on Non-Linear Analysis held during 16-19 May 2011 Jointly Organized by Department of Mathematics, Kumaun University, S. S. J. Campus Almora & Indian Society for History of Mathematics.
- 21.** Participated in the International Conference on ‘Mahatma Gandhi and Nonviolence: Toward a Better World’ Organized by Vardhman Mahaveer Open University, Kota from 26-28 June 2010.
- 22.** Participated in the ‘54th Congress of Indian Society of theoretical and Applied Mechanics’ (ISTAM-2009), an International meet Organized by during 18-21 December 2009 at School of Applied Sciences Netaji Subhas Institute of Technology Sector-3 Dwarka, New Delhi-110078.
- 23.** Participated in an International Conference on Graph Theory and Its Applications organized by Amrita Vishwa Vidyapeetham University, Amrita School of Engineering Ettimadai, Coimbatore, Tamil Nadu, India during 11-13 December 2008.
- 24.** Participated in an International Conference on Business Data Mining organized by the US in collaboration with the University of Hyderabad; Sponsored by DST, Govt. of India and Indian Statistical Institute, Kolkata during 28-31 December 2008 in the Campus of the UOH, Hyderabad.
- 25.** Participated in the 4th International Conference on Information System Security (ICISS-2008) Organized by JNTU, Hyderabad, India during 16-20 December 2008.
- 26.** Participated in the 3rd International Conference on Information System Security (ICISS-2007) Organized by the University of Delhi, India in Collaboration with, Department of Computer Science & Engineering, IIT, Delhi, and Center for Secure Information Systems, George Mason University, USA and Systems, and information infrastructure Security Laboratory, Penn State University, USA.
- 27.** Participated in the 51st Congress of Indian Society of Theoretical and Applied Mechanics (ISTAM-2006, an International Meet) Organized by Andhra University College of Engineering, Visakhapatnam, India during 18-21 December 2006.
- 28.** Participated in an International Congress of Mathematicians (ICM-2010) 2010 held at Hyderabad, India, during 19-27 August 2010.
- 29.** Participated in an International Conference on ‘Frontiers of Interface between Statistics and Sciences’ organized by CR Rao Advanced Institute of Mathematics, Statistics and Computer Sciences Jointly with University of Hyderabad held from 30th December 2009 to 2nd January 2010, in honor of Prof. CR Rao FRS, in his 90th Year.
- 30.** Participated in the Indo-American Education Summit 2009 held on 8th November 2009 at Indian Habitat Center, Lodi Road, New Delhi.
- 31.** The IISc Centenary Conference: Participated in “The IISc centenary Conference” held during 13-16 December 2008 at the Indian Institute of Science, Bangalore, India.

32. Participated in the Lecture Series/Workshop on Statistics: Past, Present & Future on 30.06.2008 & 01.07.2008 at CMSD, University of Hyderabad
33. Participated in the First Biennial Conference NCVPRIPG-2008 of IUPRAI Jointly organized by DA-IICT and IEEE, Gandhi Nagar on 11-13 January 2008.
34. Participated in the International Conference on Condensed Matter Physics & 5th Annual Convention of Rajasthan Physics Association (ICOMP-2007) held during 25-26 November 2007 at the University of Rajasthan, Jaipur.
35. Participated In the International Conference In the INCOB-2006 Satellite Meeting: Computational Insights into Biological Systems, held during 26-28 December 2006 at the Indian Institute of Science, Bangalore, India.
36. Participated in the 23rd International Conference of the IAGRG and Symposium on “Recent Trends In General Relativity, Cosmology and Astrophysics” held during 7-10 December 2004 at the Department of Mathematics, University of Rajasthan, Jaipur, India.
37. Participated in the Arunachal Pradesh social entrepreneurship meet 2020 during 30th & 31st January 2020.
38. Participated Nit Arunachal Pradesh in 26 January 2020 Programme at Raj Bhavan Arunachal Pradesh, Itanagar
39. **Dr. Ram Prakash Sharma**, Department of Mechanical Engineering attended **one-Day National webinar** on “An Introduction to Hydrodynamic Stability Analysis” organized by Department of HEAS (Mathematics), University Departments, Rajasthan Technical University, Kota on 06 Sept. 2020 (Sunday) Time: 10:20 AM to 12:00 Noon.
40. **Dr. Ram Prakash Sharma**, Department of Mechanical Engineering, attended **one-Day National webinar** on “Numerical Simulation using Maple 2020” organized by Siksha 'O' Anusandhan with Binary Semantics on **19th September 2020**.
41. **Dr. Ram Prakash Sharma**, Department of Mechanical Engineering attended **one-Day VISITOR’S CONFERENCE: Implementation of National Education Policy:** - organized by Government of India on **19th September 2020**.
42. **Dr. Ram Prakash Sharma**, Department of Mechanical Engineering attended “Dr Savita Datta Memorial Lecture” organizing by the Department of Physics, Maitreyi College on September 30, 2020 delivered by Prof. Dinesh Singh (Chancellor, K. R. Mangalam University; Former VC, University of Delhi) on “India in the 21st Century: The Role of Education”.
43. Participation in 33 Annual Conference of the Ramanujan Mathematical Society (RMS) organized by the Department of Mathematics, University of Delhi, Delhi during 1-3 June 2018.

- 44.** Participated in the National Conference on Mathematical Analysis and Computation (NCMAC-2015) in Collaboration with NITTTR, Chandigarh organized by the Department of Mathematics and Department of Computer Science and Engineering Malviya National Institute of Technology, Jaipur, Rajasthan, India during 20-21 February 2015.
- 45.** Participated in National Seminar on Recent Trends advances in applied mathematics and 18th Prof. P. D. Verma Memorial Lecture-2014 held at Department of Mathematics, University of Rajasthan, Jaipur, India, during 13-14 September 2014.
- 46.** Participation In the 27th Annual Conference of Ramanujan Mathematical Society, Hosted by Shiv Nadar University, held at Delhi from 20-23 October 2012.
- 47.** Participated in the National Seminar on Human Rights in 21st Century Challenges and Prospects entitled "Human Rights for Disabled" held on 10-12 December 2011 at the Department of Political Science, University of Rajasthan, Jaipur.
- 48.** Participated in National conference 26rd Annual Conference of Ramanujan Mathematical Society held at the University of Allahabad during 2-5 October 2011.
- 49.** Participated in a National Seminar on Emerging Trends in Science and Technology during 25-26 March 2011 (NSETST-2011) held at Faculty of Science and Technology, ICFAI University Tripura.
- 50.** Participated in the UGC Sponsored DRS-1 under SAP-National Workshop on Challenges before Applied Mathematicians: Fluid Dynamics and Optimization Techniques Organized by Department of Mathematics, University of Rajasthan, Jaipur during 11-13 March 2011.
- 51.** Participated in the National Seminar on Recent Development in Fluid Dynamics and 14th Prof. P. D. Verma memorial Lecture (NSORDFD & PDVML-2010) organized by the Department of Mathematics, University of Rajasthan, India during 7-8 August 2010.
- 52.** Participated in the National Conference on Mathematical Modeling and Simulation (MMSIM-2010) organized by Guru Jambheshwar University of Science and Technology, Hisar, Haryana (India) during 20-21 March 2010.
- 53.** Participated in the 97th Indian Science Congress held at Kerala University Thiruvananthapuram, from 3-7 January 2010.
- 54.** Participated in National conference 23rd Annual Conference of Ramanujan Mathematical Society held at the Indian Institute of Technology, Kanpur, India during 19-21 May 2008.
- 55.** Participated In the 95th Indian Science Congress held at Andhra University Visakhapatnam, from 3-7 January 2008.
- 56.** Participated in the National Conference on Advanced Manufacturers Technologies held at JNIT Campus, Jaipur on 3rd December 2005.

- 57.** Participated in the 15th Annual Conference of the Rajasthan Ganita Parishad held at the Department of Mathematics, Arya College of Engineering & Information Technology, Kukas, Jaipur during 14-15 February 2004.
- 58.** Participated in the 6th Annual Conference of the Rajasthan Ganita Parishad held at the Department of Mathematics Malviya Regional Engineering College, Jaipur, Rajasthan, India during 19-20 March 1994.

Invited Talks/Session the Chair (57)

- 1.** Prof. Ram Prakash Sharma, Department of Mechanical Engineering, delivered two invited talks during the eight-day workshop titled ‘Numerical Methods for Multiphysics Problems’ on 25th and 26th February 2026. The talks were based on the theory and applications of the Finite Element Method. The workshop was jointly organized by the University of Bergen, Norway, and the Central University of South Bihar, Gaya, and was held from 20th to 27th February 2026 at the Department of Mathematics, Central University of South Bihar
- 2.** Prof. Ram Prakash Sharma, Department of Mechanical Engineering, delivered an invited talk on ‘Effective Research Paper Writing’ on 24 February 2026 at 10:00 AM in the Department of Mathematics, Sri Venkateswara College, University of Delhi.
- 3.** **Prof. Ram Prakash Sharma**, Department of Mechanical Engineering, delivered an Invited Lecture on **Numerical solution and statistical optimization of Casson hybrid nanofluid flow over a non-linear expanding surface with new sets of similarity transformations, in the 95th Annual Session of the National Academy of Sciences, India (NASI)** held at IIT Guwahati, (Assam) India during 8-10 December 2025.
- 4.** Prof. Ram Prakash Sharma, Department of Mechanical Engineering, delivered an invited talk on ‘How to write a research paper’ on 7th-9th November 2025 at 10:00 AM in the Department of Mechanical Engineering, National Institute of Technology Agartala.
- 5.** Prof. Ram Prakash Sharma, Department of Mechanical Engineering, delivered an invited talk on ‘How to write a research paper’ on 10th November 2025 at 12:00 noon at **Symbioses University Pune**.
- 6.** **Prof. Ram Prakash Sharma**, Department of Mechanical Engineering, delivered an invited talk entitled **The Role of Nanofluids in Recent Industrial development in the National workshop on AI & ML Methods in Advanced Computing (AIMLAC-2026)** Sponsored by ANRF and DHR-ICMR, Government of India, Organized by Department of Mathematics, Motilal Nehru National Institute of Technology Allahabad, held during November, 03-07, 2025.
- 7.** **Prof. Ram Prakash Sharma**, Department of Mechanical Engineering, chaired session for contributory paper presentation and invited talk of **Research and Industrial Conclave 2025**, scheduled to be held at IIT Guwahati from **10-12 October 2025**

- 8.** *Prof. Ram Prakash Sharma*, Professor, Department of Mechanical Engineering, NITAP participated and delivered an Invited talk on “A comprehensive analysis of current research on nanofluids and hybrid nanofluids, highlighting recent advancements and developments in the field of fluid dynamics” in the International Conference titled “6th International Conference on Recent Trends in Applied and Computational Mathematics (ICRTACM – 2025)” held during 9th and 10th October 2025 Organized By The Department Of Mathematics, School Of Applied Sciences, REVA University, Bengaluru, Karnataka, India
- 9.** Prof. Ram Prakash Sharma, Professor, Department of Mechanical Engineering, NITAP delivered an invited motivational talk for the BBA Students, on " The greatest Secretes of Successes" on 16th September 2025 organized by Kaushalya: The Skill University, Block-3, VGEC Campus, Chandkheda, Ahmedabad - 382424, Gujarat, India
- 10.** Prof. Ram Prakash Sharma, Professor, Department of Mechanical Engineering, NITAP delivered an invited motivational talk for 11th and 12th students, on " The greatest Secretes of Successes" on 13th September 2025 organized by Atmiya school "Yogidham Gurukul" Kalawad Road, Rajkot-360005 Gujarat, India
- 11.** Prof. Ram Prakash Sharma, Professor, Department of Mechanical Engineering, NITAP delivered an invited Talk on " How to do good research" on 13th September 2025 organized by Atmiya University "Yogidham Gurukul" Kalawad Road, Rajkot-360005 Gujarat, India
- 12.** Prof. Ram Prakash Sharma, Professor, Department of Mechanical Engineering, NITAP session the chair in the 4th International Conference on Applied Mathematics in Science and Engineering (AMSE-2025) held during August 28th-30th, 2025 organized by ITER, Siksha ‘O’ Anusandhan (Deemed to be University), Bhubaneswar-751030, Odisha, India.
- 13.** Prof. Ram Prakash Sharma, Professor, Department of Mechanical Engineering, NITAP delivered an invited Talk in the 4th International Conference on Applied Mathematics in Science and Engineering (AMSE-2025) 28th-30th August 2025 on " Recent Progress and Emerging Trends in Nanofluids Research" on August 30, 2025, organized by ITER, Siksha ‘O’ Anusandhan (Deemed to be University), Bhubaneswar-751030, Odisha, India.
- 14.** Prof. Ram Prakash Sharma, Professor, Department of Mechanical Engineering, NITAP delivered an invited Talk on " Success of Secrete: Strategies for Life" on July 24, 2025, organized by Ramakrishna Mission Ashrama, Sohra (Cherrapunjee) PO Sohra, Dt. East Khasi Hills, Meghalaya 793 108, India 94363 10959 sohra@rkmm.org
- 15.** Prof. Ram Prakash Sharma, Professor, Department of Mechanical Engineering, NITAP delivered a Talk on Blueprint for Greatness on the Occasion of Guru Poornima Celebration on July 23, 2025, organized by the NIT Meghalaya.

- 16.** Prof. Ram Prakash Sharma, Professor, Department of Mechanical Engineering, NITAP delivered a Talk on How to write and published research papers in very good Journals on July 23, 2025, organized by the Department of Mechanical Engineering, NIT Meghalaya.
- 17.** Prof. Ram Prakash Sharma, Professor, Department of Mechanical Engineering, NITAP delivered a Talk on Greatest Secrete of Successes on the Occasion of Orientation day Celebration on July 10, 2025, organized by the Department of Mathematics, SPPU Pune University, Pune, Maharashtra.
- 18.** Prof. Ram Prakash Sharma, Professor, Department of Mechanical Engineering, NITAP delivered an invited Talk on Greatest Secrete of Successes on the Occasion of Guru Poornima Celebration on July 10, 2025, organized by the Department of Mechanical Engineering, Shahu College of Engineering, Pune, Maharashtra.
- 19.** Prof. Ram Prakash Sharma, Professor, Department of Mechanical Engineering, NITAP delivered a Talk on " Greatest Secrete of Successes " in the Keynote Speaker and chief guest on the Occasion of Guru Poornima Celebration on July 10, 2025, organized by D Y Patil University, Pune, Maharashtra.
- 20.** Prof. Ram Prakash Sharma, Professor, Department of Mechanical Engineering, NITAP delivered a Talk on Greatest Secrete of Successes on the Occasion of Guru Poornima Celebration on July 09, 2025, organized by the SNDT College of Education for Women, SNDT University, Pune, Maharashtra.
- 21.** Prof. Ram Prakash Sharma, Professor, Department of Mechanical Engineering, NITAP delivered a Talk on Greatest Secrete of Successes on the Occasion of Guru Poornima Celebration on July 09, 2025, organized by the SNDT Arts and Commerce College for Women , SNDT University, Pune, Maharashtra.
- 22.** Prof. Ram Prakash Sharma, Department of Mechanical Engineering, delivered an invited talk of **Hyderabad (ICA 2025)** organized by **Bhartiya Sikshan Mandal** during 12th June 2025 to 15th June 2025 on 13-06-2025 at All India Provincial Head Meeting of Bharatiya Shikshan Mandal - 2025” (13 to 15 June, Kanha Shantivanam, Bhagyanagar, Hyderabad, India
- 23.** Prof. Ram Prakash Sharma, Department of Mechanical Engineering, chaired season for contributory paper presentation and invited talk of **International Conference on Agriculture-Centric Computation (ICA 2025)** organized by **IIT Guwahati** and co-organized by **NIT Arunachal Pradesh**, on 13th May 2025,
- 24.** Prof. Ram Prakash Sharma, Department of Mechanical Engineering, delivered an exceptional and insightful keynote lecture entitled “**Advances in Nanofluids and hybrid Nanofluids: A research Outlook**” on 29th April 2025 during National Conference on “Recent Advances in Mathematics and Computational Sciences (NSRAMCS-2025)” **Organized by the Department of Mathematics, Rajiv Gandhi University, Arunachal Pradesh.**
- 25.** Prof. Ram Prakash Sharma, Department of Mechanical Engineering, delivered an Invited talk entitled “**Cutting-edge Developments in Nanofluids and hybrid Nanofluids**” on 18th April 2025 during two

weeks Teachers Enrichment Workshop (TEW) on “Differential Equations and its Applications”
Organized by the Department of Mathematics, Jaypee Institute of Information Technology, Noida,
from April 16-29, 2025

- 26.**Prof. Ram Prakash Sharma, Department of Mechanical Engineering, conducts **Ph.D. viva-voce exam** of **Krushna Kumar Parbati Nandan Nayak**, Ph.D. scholar of **Siksha 'O' Anusandhan Deemed to be University**, Bhubaneswar on 30-05-2025
- 27.**Prof. Ram Prakash Sharma, Department of Mechanical Engineering, chaired session for panel discussion as well as contributory paper presentation of **International Conference on Agriculture-Centric Computation (ICA 2025)** organised by **IIT Guwahati** and co-organised by **NIT Arunachal Pradesh**, during the Panel Discussion session on 14th May 2025,
- 28.**Prof. Ram Prakash Sharma, delivered valuable insights on the integration of emerging technologies in agriculture and the role of agriculture in **Vikshit Bharat-2024** , sparking thoughtful dialogue among the panelists and attendees, His expertise greatly enriched the discussion and highlighted the future direction of agriculture-centric research for our nation building in the **International Conference on Agriculture-Centric Computation (ICA 2025)** organized by **IIT Guwahati** and co-organized by **NIT Arunachal Pradesh**, during the Panel Discussion session on 14th May 2025,
- 29.**Prof. Ram Prakash Sharma, Professor, Department of Mechanical Engineering, NITAP delivered a Talk on "**National Science Day**" in the Keynote Speaker on the Occasion of National Science Day Celebration on **Feb 28, 2025**, organized by **Jagannath University, Jaipur Rajasthan**, on Dated 2025-02-28.
- 30.**Prof. Ram Prakash Sharma, Professor, Department of Mechanical Engineering, NITAP delivered an Invited Lecture on "**Fluid Mechanics/Dynamics**" in the Invited Lecture at **Manipal University Jaipur, Rajasthan** organized by **Department of Mechanical Engineering, Manipal University Jaipur**, on Dated **2025-02-21**.
- 31.**Prof. Ram Prakash Sharma, Professor, Department of Mechanical Engineering, NITAP delivered an Invited Lecture on "Advancing Innovations in Science Teaching and Research Aligned with NEP-2020 " in the **Refresher Course in Innovation in Teaching and Research in Science** in Accordance to NEP-2020 organized by **UGC - MALAVIYA MISSION TEACHER TRAINING CENTRE MMTTC (Formerly named HRDC) UNIVERSITY OF RAJASTHAN, JAIPUR**, on Dated 2025-01-28.
- 32.**Dr. Ram Prakash Sharma, Department of Mechanical Engineering, delivered an Invited talk entitled “Unsteady MHD flow and heat transfer over an expanding/shrinking sheet in a hybrid nanofluid with nonlinear thermal radiation” in National Conference on Recent Advancement in Physical Sciences (NCRAPS-2020) (December 19-20,2020) at NIT Uttarakhand, India.

- 33.***Dr. Ram Prakash Sharma*, Department of Mechanical Engineering, Session the chaired in the 65th ISTAM Conference (9 - 11 December 2020) [GITAM Deemed to be University, Hyderabad](#).
- 34.***Dr. Ram Prakash Sharma*, Department of Mechanical Engineering, **chaired a technical session** in **TFRE-2020** on 26th November 2020, [NIT Arunachal Pradesh](#), India.
- 35.***Dr. Ram Prakash Sharma*, Department of Mechanical Engineering, **Session the chaired two technical sessions** in National Conference on Recent Advancement in Physical Sciences (NCRAPS-2020) (December 19-20,2020) at [NIT Uttarakhand](#), India.
- 36.***Dr. Ram Prakash Sharma*, Department of Mechanical Engineering, **Session the chaired** in HSCSIT Sponsored Online International Conference on "History and Development of Mathematics" (ICHDM2020) to Commemorate 133rd Birth Anniversary of Srinivasa Ramanujan on National Mathematics Day (NMD2020) December 22,2020 (Tuesday) Organized by Department of Mathematics, [Maharshi Dayanand University Rohtak- 124001](#), Haryana, India.
- 37.***Dr. Ram Prakash Sharma*, Department of Mechanical Engineering, **Chair the session 3 days** First International Conference ICAMST-2020, Organized by Department of Mathematics Rajiv Gandhi University (A Central University), Arunachal Pradesh, India on **01-03 September 2020**.
- 38.***Dr. Ram Prakash Sharma*, Department of Mechanical Engineering, **Chair the session two-Day** International webinar on **“Geometry of Continued Fractions: Ramanujan and his successors”** organized by Srinivasa Ramanujan Department of Mathematics and Centre for Vedic Mathematical Studies, CUHP, TAB-Shahpur on **14-15 September 2020**.
- 39.***Dr. Ram Prakash Sharma*, Department of Mechanical Engineering, delivered an Invited talk entitled “Secrets of Success and Career Opportunities for Mathematics Students” Organized by Department of Mathematics. C. M. Science College, Darbhanga, Bihar, India on 7th August 2020.
- 40.** Participated and Session the chair in the 2nd International Conference on Numerical Heat Transfer & Fluid Flow (NHTFF-2020) during 17th-19th January 2020 (In the memory of Late Prof. T. K. V. Iyengar on the eve of his birth anniversary) organized by the Department of Mathematics, National Institute of Technology, Warangal.
- 41.** Participated and delivered a talk entitled “Role of CFD in Engineering Applications” in the 1st International Conference on Applied Mathematics in Science and Engineering (AMSE-2019) held at [ITER, Siksha ‘O’ Anusandhan \(Deemed to be University\)](#), Bhubaneswar, Odisha, India during 24-26 October 2019.
- 42.** Participated and delivered a talk entitled “Heat Source and Chemical reaction effect on MHD rotating fluid over a vertical plate with variable thermal conductivity” in the 20th International Conference of International Academy of Physical Sciences (CONIAPS XX) on Recent advances in physical sciences and future challenges held at Osmania University, Hyderabad-500007, India during 14-16 July 2017.

- 43.** Participated and Session the chair in the 61st Congress (an International Conference) of Indian Society of Theoretical and Applied Mechanics (ISTAM-2016) during 11-14 December 2016 organized by Department of Mathematics, VIT University, Vellore, Tamil Nadu, India-632 014.
- 44.** Participated and the Session the chair in the International Conference on Recent Advances in Mathematics and their Applications (ICRAMTA-2016) from 10-12 July 2016 Organized by the Department of Mathematics, University of Rajasthan, Jaipur-302004, India.
- 45.** Participated and Session the chair in the 60th Congress (an International Conference) of Indian Society of Theoretical and Applied Mechanics (ISTAM-2015) during 16-19 December 2015 organized by Department of Mechanical Engineering, Malaviya National Institute of Technology, Jaipur – 302017
- 46.** Participation and Session the Chair in 31st Annual Conference of the Ramanujan Mathematical Society (RMS) held at National College Campus, Tiruchirappalli – 620001 during 18-21 June 2016.
- 47.** Participation and Session the Chair in an International Conference on optimization, computing and business analysis for sustainable development Organized by Department of Mathematics Central University of Rajasthan, Ajmer (Rajasthan) India during 20-22 February 2015.
- 48.** Participation and Session the Chair in the 17th International Conference of International Academy of Physical Sciences (CONIAPS XVII) on ‘Emerging Trends in Physical Sciences and Technology’ held at the University of Rajasthan, Jaipur, India during 16-18 January 2015.
- 49.** Participated and delivered a talk entitled "Astronomy at Jantar Mantar Observatories: in India" in the 17th Annual Conference of Gwalior Academy of Mathematical Sciences & National Symposium on Computational Mathematics & Information Technology from 7-9 December 2012 organized by Jaypee University of Engineering & Technology, Guna (M.P.).
- 50.** Participation and Session the Chair in The International Conference on History and Development of Mathematical Sciences & Symposium on Nonlinear Analysis ICHDMS-2012 from 21-24 November 2012 Events to Commemorate 125th Birth Anniversary of Srinivasa Ramanujan organized by Department of Mathematics Maharshi Dayanand University, Rohtak & Indian Society for History of Mathematics.
- 51.** Participated and Session the Chair in the International Seminar on History of Mathematics (ISHM-2012) From 19-20 November 2012 in Event Celebrating the National Mathematical Year 2012 to Commemorate 125th Birth Year of Srinivasa Ramanujan Organized by Ramjas College, University of Delhi & Indian Society for History of Mathematics Co-Sponsored by (ICHM) International commission on the History of Mathematics.
- 52.** Participated and Session the chair in the IInd world Veda Conference-2012 from 4-7 November 2012 organized by Maharishi Sandipani Rashtriya Vedvidya Pratishthan, Ujjain, Madhya Pradesh, India.

- 53.** Participated as a Resource Person/Session the chair (delivered a talk) in the DST Sponsored Workshop on Research Methodology during 28-29 February 2012 held at JECRC, Jaipur.
- 54.** Participated as a Resource Person/Session the chair in the National Conference on Recent Trends in Microwave Techniques and Applications Organized by S.S. Jain Subodh P.G. College, Jaipur from July 30th to August 1st, 2012.
- 55.** Participated and Session the chair in the 77th Annual Conference of Indian Mathematical Society held at Swami Ramanand Teerth Marathwada University, Nanded during 27-30 December 2011.
- 56.** Participated and delivered a talk entitled “History of Mathematics” State-level Seminar on Philosophical and Historical Research at Shree Agrasen P. G. College of Education, Keshav Vidyapeeth, Jamdoli, Jaipur on 5 July 2011.
- 57.** Participated and delivered a talk entitled “Mathematics in Vedic Period” National Conference on Value-Based Education in National Context Organized by S.S. Jain Subodh P.G. College, Jaipur during 4-5 March 2006.

Membership of Academic Societies/Institute

	Membership No		
Member, IEEE			
Life Member, Calcutta Mathematical Society			(CMS)
Member of American Mathematical Society			(AMS)
Life member, Indian Mathematical Society	S-10-334	2007	(IMS)
Life member, Indian Soc. of Theo. and App. Mech. IIT Kgp	L-528		(ISTAM)
Life member, Ramanujan Mathematical Society	563		(RMS)
Life Member, Indian Science Congress, India	L 12999		(ISC)
Member, Indian Statistical Institute	O/9263-2011		(ISI)
Life Member, Indian Society For History Of Mathematics	L 175		(ISHM)
Life Member, The Association of Mathematics Teachers of India	L 11149		(AMTI)
Life Member, Rajasthan Ganita Parishad, Rajasthan	00/153		(RGP)
Life Member, Institute of Theoretical Physics, Kolkata			(ITP)
Member, Indian Society For Technical Education, New Delhi	G M 47251		(ISTE)
Life Member, Gwalior Academy of Mathematical Sciences		245	(GAMS)
Member, International Association of Engineers			(IA ENG)
Life Member, Int. Academy of Physical Sciences, Allahabad		(N15262)	(IAPS)
Life member, Bharat Ganita Parishad, Lucknow			(BGPL)
Member, The Mathematics Consortium			(TIMC)
Life member, Vijnāna Parishad of India	LMVPI/2017/245		(VPI)

- ✚ Life member, Youth Hostels Association of India 027-YH17-L064390 (YHAI)
- ✚ Life member, Himachal Ganita Parishad, Summer Hill, Shimla (HGP)

ATM Workshops, Summer School and induction Training Programme: 15

1. **Workshop: (one week)** - Participated in the **AICTE Sponsored Short Term Course**, Stochastic Modelling and Optimal Control of Engineering Systems, organized at the Department of Mathematics, **Indian Institute of Technology Roorkee – 247 667**, India during 22-26 May 2017.
2. **DST Workshop:(one week)** - Participated in the **DST Sponsored Short Term Training Programme**, Research Tools in Pure and Applied Mathematical Sciences, organized at the Department of Mathematics, **JK LAKSHMIPAT UNIVERSITY**, Jaipur, India during 14-20 June 2015.
3. **ATM Workshop: (one week)** - Participated in the **NCM Workshop** On “Conservation Laws with Applications to Continuum Mechanics” under the auspices of National Centre for Mathematics (A Joint Centre of TIFR and IIT Bombay) Advanced Training in Mathematics Schools (Supported by National Board for Higher Mathematics) organized at the **Department of Mathematics, Punjab University, Chandigarh**, India, during 2-7 December 2014.
4. **ATM Workshop:(one week)** - Participation in the **ATM Workshop** on “Graph Theory” under the auspices of National Centre for Mathematics (A Joint Centre of TIFR and IIT Bombay) Advanced Training in Mathematics Schools (Supported by National Board for Higher Mathematics) held at **Kerala School of Mathematics, Kozhikode, Kerala**, during the period 17-22 March 2014.
5. **ATM Workshop: (Two weeks)** - Participated in the **ATM Workshop and Conference** on “Development of Mathematics In India” Under the auspices of National Centre for Mathematics (A Joint Centre of TIFR and IIT Bombay) Advanced Training in Mathematics Schools (Supported by National Board for Higher Mathematics) held at **Indian Institute of Technology, Bombay**, during the period 6-15 February 2013.
6. **Summer School: 01 (Two weeks)** - Participated in the **MHRD/AICTE SPONSORED National Summer School On Data Mining & Business Intelligence**, Organized by **ABV-Indian Institute Of Information Technology and Management, Gwalior** from 7-18 July 2008.
7. Participation in the National Workshop on Aspects of Dynamical Systems held during 22-24 December 2009 at the Department of Mathematics, Indian Institute of Technology Delhi, New Delhi.
8. Participated in the National Workshop on “Mathematical Aspects of Computer Science” held during 14-15 March 2009 at School of Mathematics, Statistics and Computer Science in Sambalpur University, Orissa, India.
9. Participated and presented a paper entitled “**Heat and mass flux effects on free convection flow through a porous medium with chemical reaction bounded by a vertical surface**” in a workshop on Applied Stochastic Models and Optimization held at Department of Mathematics, IIT Roorkee during 26-27 May 2017.

10. Participated and presented a paper entitled “**Mathematical representation for Malaria with Mosquito-dependent coefficient for the human population with exposed class**” in a workshop on Applied Stochastic Models and Optimization held at the Department of Mathematics, IIT Roorkee during 26-27 May 2017.
11. Participated in the National Workshop organized by Amateur Astronomers’ Society and Department of Science and Technology, Government of Rajasthan held at B.M. Birla Planetarium during 22-24 December 2011.
12. Participated in the UGC Sponsored National Workshop on “Human Rights in 21st Century: Challenges and Prospects” held on 19-20 November 2011 at the Department of Political Science, University of Rajasthan, Jaipur.
13. Bhabha Centenary Symposium: Participating in the Bhabha Centenary Symposium held at Tata Institute of Fundamental Research, Mumbai from 3 -5 December 2009.
14. Participated in the Dr. Homi J. Bhabha Birth Centenary Workshop on Introduction to Graph and Geometric Algorithms” held during 15-18 July 2009 at Satish Dhawan Auditorium Collaboration with Department of Computer Science & Automation, IISc, Bangalore, and School of Technology and Computer Science, TIFR, Mumbai.
15. **Induction Training Programme: 01 (Two weeks)** - Participated in the **AICTE Sponsored two weeks Course, on Induction Training Programme**, during the 15-26 December 2003 Under Staff Development scheme held at Department of Applied Mechanics, **Motilal Nehru National Institute of Technology, Allahabad, (U.P), India.**

References

Prof. Pinakeswar Mahanta

Director, NIT Meghalaya

Email Id: pinak@iitg.ac.in

Mobile number: 8638468106, 9435734561

Prof. Mohan V aware

Director, NIT Arunachal Pradesh-791113

Email Id: director@nitap.ac.in

Mobile number: 9373225111, 9436850887

Prof. Dinesh Singh

Former-Vice- Chancellor

University of Delhi-110007

Email: dineshsingh1@gmail.com

Mobile: +91-98100-84959

Prof. Vishnu Dutta Sharma

Visiting Professor, Mathematics

Indian Institute of Technology Gandhinagar

Palaj, Gandhinagar - 382355, Gujarat

Mobile: 9820605360

Email: vsharma@iitgn.ac.in, vduttsharma@gmail.com

Prof. S. Bhattacharyya

Department of Mathematics,

Indian Institute of Technology Kharagpur

Email: somnath@maths.iitkgp.ernet.in

Mobile: 9434758966,

Personal Details/Contact

Prof. S.K. Tomar

Professor, Department of Mathematics

Punjab University, Chandigarh (INDIA)

sktomar@pu.ac.in, sktomar66@gmail.com

Mobile: 9463223629

NIT Arunachal Pradesh Address: Department of Mechanical Engineering, National Institute of Technology, (Institute of National Importance under Ministry of Education (Shiksha Mantralaya), Govt. of India) Jote, Arunachal Pradesh, Pin: 791113, India

Jaipur Address (Permanent): House number: R-52, Nilaykunj JDA residential Scheme, Jagatpura, Village: Siroli, Tehsil: Sanganer, Dantli, Jaipur-303012, Rajasthan, India

Mobile: +91- 94610 70550, +91 8118986128

Father's Name Shri (Late) Baij Nath Prasad Sharma

Date of Birth 08.08.1968

Nationality Indian

I Dr. Ram Prakash Sharma Certified that the above information given by me is correct to the best of my knowledge and belief. However, at any later date, if it is proved that the above-given information is wrong, I am aware that I would be punished as per the existing laws.

R. P. L

Ram Prakash Sharma