RAJ NANDKEOLYAR

ASSISTANT PROFESSOR

Department of Mathematics, National Institute of Technology Jamshedpur, Jamshedpur-831014, India

(+91) 78371-81319 | rajnandkeolyar@gmail.com | sites.google.com/view/rnandkeolyar/ | @NandkeolyarRaj | rajnandkeolyar

Education

Indian Institute of Technology (ISM) Dhanbad — *Dhanbad, India*

PH. D. (APPLIED MATHEMATICS) — *April 07, 2011*

- **Thesis title:** An Investigation of Some Problems of Magnetohydrodynamic Fluid Flow and Heat Transfer

Indian Institute of Technology (ISM) Dhanbad — *Dhanbad, India*

M. PHIL. (APPLIED MATHEMATICS), CGPA: 7.94/10 — *July 03, 2007*

- **Dissertation title:** Effects of Hall Current on Hartmann Flow in a Rotating Channel in the Presence of an Inclined Magnetic Field

Vinoba Bhave University — *Hazaribag, India*

M. SC. (MATHEMATICS), MARKS: 76.5% **(FIRST CLASS FIRST POSITION)** — *September 12, 2006*

Vinoba Bhave University — *Hazaribag, India*

B. SC. HONORS (MATHEMATICS), MARKS: 76.5% — *August 22, 2003*

Teaching/Research Experience

National Institute of Technology Jamshedpur — *Jamshedpur, India*

ASSISTANT PROGESSOR, GRADE-I — *June 2018 - PRESENT*

- Teaching: Engineering Mathematis-III, Fluid Dynamics, Ordinary Differential Equations.
- Research: Guiding research scholars and executing a research project recieved from SERB (DST).
- Administrative Assignments: Warden of Hostel-G, Faculty Advisor of Ph. D. students, Convener of Departmental Purchase Committee, Member of R & C Committee.

Thapar Institute of Engineering & Technology — *Patiala, India*

ASSISTANT PROFESSOR — *July 2014 - June 2018*

- Teaching: Taught Mathematis-I, Mathematics-II, Numerical Analysis, Fluid Dynamics, Mathematical Methods, Numerical and Statistical Methods.
- Research: Guided two M. Sc. students for their dissertation, one student is continuing her research for Ph. D. degree.
- Administrative: ISO Co-ordinator, Time-table co-coordinator, Faculty advisor.

University of KwaZulu-Natal — *Pietermaritzburg, South Africa*

POST-DOCTORAL FELLOW — *January 2013 - July 2014*

- Research: Investigated hydrodynamic and magnetohydrodynamic flow of viscous incompressible fluid in the presence of nanoparticles using Chebyshev Pseudo-Spectral method based numerical techniques.

KIIT University — *Bhubaneswar, India*

ASSISTANT PROFESSOR — *February 2011 - January 2013*

- Teaching: Taught Mathematis-I, Mathematics-II, Mathematics-III, Numerical and Statistical Methods.
- Research: Guided two Ph. D. students for their Ph. D. degree.
- Member, Organising Committee of National Conference on Industrial Mathematics & Soft Computing, Faculty advisor

GITAM University — *Hyderabad, India*

LECTURER — *August 2010 - February 2011*

- Teaching: Taught Mathematis-I, Mathematics-II.

Publications in SCI/SCIE Listed Journals

1. A. Sahoo and **R. Nandkeolyar**. (2021). Entropy generation in convective radiative flow of a Casson nanofluid in non-Darcy porous medium with Hall current and activation energy: The multiple regression model, *Applied Mathematics and Computation*, vol. 402, 125923 (28 pages).

2. A. Sahoo and **R. Nandkeolyar**. (2021). Entropy generation and dissipative heat transfer analysis of mixed convective hydromagnetic flow of a Casson nanofluid with thermal radiation and Hall current, *Scientific Reports*, Vol. 11, 3926 (31 pages).

3. Prashu and **R. Nandkeolyar**, A. J. Chamkha. (2021). A Numerical Investigation of Hall and Radiation Effects on MHD Three-Dimensional Casson Fluid Flow in a Porous Medium, *Journal of Porous Media*, DOI: 10.1615/JPorMedia.2021025934.

4. V.K. Sinha, B. Kumar, G.S. Seth, **R Nandkeolyar**. (2020). Features of Jeffrey fluid flow with Hall current: A spectral simulation, *Pramana*, vol. 94 (1), 64 (11 pages) .

5. G.S. Seth, B. Kumar, **R. Nandkeolyar**, V.K. Sinha. (2020). Numerical Simulation of MHD Stagnation Point Flow of Micropolar Heat Generating and Dissipative Nanofluid: SLM Approach, *Proceedings of the National Academy of Sciences, India Section A: Physical Sciences*, DOI: 10.1007/s40010-020-00704-x

6. B. Kumar, G.S. Seth, **R. Nandkeolyar**. (2020). Quadratic multiple regression model and spectral relaxation approach to analyze stagnation point nanofluid flow with second-order slip, *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering*, vol. 234 (1), pp. 3-14 .

7. B. Kumar, G.S. Seth, **R. Nandkeolyar**, A.J. Chamkha. (2019). Outlining the impact of induced magnetic field and thermal radiation on magneto-convection flow of dissipative fluid, *International Journal of Thermal Sciences*, vol. 146, 106101 (11 pages) .

8. B. Kumar, G.S. Seth, **R. Nandkeolyar**. (2019). Successive linearisation approach to analyse thermally radiative stagnation point micropolar nanofluid flow with regression model, *Pramana*, vol. 93 (5), 74 (12 pages) .

9. B. Kumar, G.S. Seth, **R. Nandkeolyar**. (2019). Regression model and successive linearization approach to analyse stagnation point micropolar nanofluid flow over a stretching sheet in a porous medium with nonlinear thermal radiation, *Physica Scripta*, vol. 94(1), 115211 .

10. B. Kumar, G.S. Seth, **R. Nandkeolyar**. (2019). Regression model and analysis of MHD mixed convective stagnation point nanofluid flow: SLM and SRM approach, *Bulgarian Chemical Communications*, vol. 51(4), pp. 557-568.

11. Prashu and **R. Nandkeolyar**. (2018). A numerical treatment of unsteady three-dimensional hydromagnetic flow of a Casson fluid with Hall and radiation effects, *Results in Physics*, Vol. 11, pp. 966-974.

12. **R. Nandkeolyar**, M. Narayana, S. S. Motsa, P. Sibanda (2018). Magnetohydrodynamic mixed convective flow due to a vertical plate with induced magnetic field, *Journal of Thermal Science and Engineering Applications*, Vol. 10 (6), 061005 (11 pages).

13. **R. Nandkeolyar**, B.K. Mahatha, G.K. Mahato, P. Sibanda. (2018). Effect of Chemical Reaction and Heat Absorption on MHD Nanoliquid Flow Past a Stretching Sheet in the Presence of a Transverse Magnetic Field, *Magnetochemistry*, vol. 4(1), 18 (14 pages).

14. B. K. Mahatha, **R. Nandkeolyar**, M. Das, P. Sibanda. (2017). Stagnation Point Nanofluid Flow Along a Stretching Sheet with Non-Uniform Heat Generation/ Absorption and Newtonian Heating, *Bulgarian Chemical Communications*, vol. 49 (4), 977-985.

15. B. K. Mahatha, **R. Nandkeolyar**, G.K. Mahato, P. Sibanda (2016). Dissipative effects in hydromagnetic boundary layer nanofluid flow past a stretching sheet with Newtonian heating, *Journal of Applied Fluid Mechanics*, Vol. 9(4), pp.1977-1989.

16. Md. S. Ansari, **R. Nandkeolyar**, S. S. Motsa, P. Sibanda (2015). Viscoelastic nanofluid flow and radiative nonlinear heat transfer over a stretching sheet, *Journal of Computational & Theoretical Nanoscience*, Vol.12(9), pp. 2385-2394.

17. **R. Nandkeolyar**, M. Das (2015). MHD Free Convection Flow Past a Flat Plate with Ramped Wall Temperature and Radiative Heat Transfer in the Presence of Porous Medium and an Inclined Magnetic Field, *Computational and Applied Mathematics*, Vol. 34(1), pp.109-123.

18. G. S. Seth, S. Sarkar, **R. Nandkeolyar** (2015). Unsteady hydromagnetic natural convection flow past an impulsively moving vertical plate with Newtonian heating in a rotating system, Journal of Applied Fluid Mechanics, Vol. 8(3), pp. 623-633.

19. **R. Nandkeolyar**, P. K. Kameswaran, S. Shaw, P. Sibanda (2014). Heat transfer in nanofluid flow with homogeneous-heterogeneous reactions and internal heat generation, *Journal of Heat Transfer, Transactions of ASME*, Vol. 136 (12), pp. 122001 (9 Pages).

20. M. Das, B. K. Mahatha, **R. Nandkeolyar**, B. K. Mandal, K. Saurabh (2014). Unsteady hydromagnetic flow of a heat absorbing dusty past a vertical permeable plate with ramped wall temperature, *Journal of Applied Fluid Mechanics*, Vol. 7(3), pp. 485-492.

21. **R. Nandkeolyar**, M. Das, P. Sibanda (2013). Exact solutions of unsteady MHD free convection in a heat absorbing fluid flow past a flat plate with ramped wall temperature, *Boundary Value Problems*, Vol. 2013, 247 (16 Pages).

22. **R. Nandkeolyar**, M. Das, P. Sibanda (2013). Unsteady hydromagnetic heat and mass transfer flow of a heat radiating and chemically reactive fluid past a flat porous plate with ramped wall temperature, *Mathematical Problems in Engineering*, Vol. 2013, Article Id: 381806.

23. **R. Nandkeolyar**, G. S. Seth, O.D. Makinde, P. Sibanda, Md. S. Ansari (2013). Unsteady Hydromagnetic Natural Convection Flow of a Dusty Fluid Past an Impulsively Moving Vertical Plate with Ramped Temperature in the Presence of Thermal Radiation, *Journal of Applied Mechanics, Transaction of ASME*, Vol. 80 (6), 061003 (9 Pages).

24. G. S. Seth, **R. Nandkeolyar**, Md. S. Ansari (2013). Effects of Thermal Radiation and Rotation on Unsteady Hydromagnetic Free Convection Flow Past an Impulsively Moving Vertical Plate with Ramped Temperature in a Porous Medium, *Journal of Applied Fluid Mechanics*, Vol. 6(1), pp. 27-38.

25. G. S. Seth, **R. Nandkeolyar**, Md. S. Ansari (2012). Effects of Hall Current and Rotation on Unsteady MHD Couette Flow in the Presence of an Inclined Magnetic Field, *Journal of Applied Fluid Mechanics*, Vol. 5(2), pp. 67-74.

26. G. S. Seth, Md. S. Ansari, **R. Nandkeolyar** (2011). MHD Natural Convection Flow with Radiative Heat Transfer Past and Impulsively Moving Plate with Ramped Wall Temperature, *Heat & Mass Transfer*, Vol. 47(5), pp. 551-561.

27. Md. S. Ansari, G. S. Seth, **R. Nandkeolyar** (2011). Unsteady Hartmann Flow in a Rotating Channel with Arbitrary Conducting Walls, *Mathematical & Computer Modelling*, Vol. 54(1-2), pp. 765-779.

28. G. S. Seth, Md. S. Ansari, **R. Nandkeolyar** (2011). Effects of Rotation and Magnetic Field on Unsteady Couette Flow in a Porous Channel, *Journal of Applied Fluid Mechanics*, Vol. 4(3), pp. 95-103.

29. G. S. Seth, Md. S. Ansari, **R. Nandkeolyar** (2010). Unsteady Hydromagnetic Couette Flow within Porous Plates in a Rotating System, *Advances in Applied Mathematics & Mechanics*, Vol. 2(3), pp. 286-302.

Publications in Non-SCI/SCIE Journals

1. G. Nagaraju, **R. Nandkeolyar** (2021), Investigating the magnetohydrodynamic flow of a couple stress dusty fluid along a stretching sheet in the presence of viscous dissipation and suction, *Heat Transfer*, DOI:10.1115/1.4028644, (Scopus Indexed).

2. **R. Nandkeolyar**, B. K. Mahatha, A. J. Chamkha (2020). A Spectral Simulation of Magnetohydrodynamic Convective Nanofluid Slip Flow with Newtonian Heating and Radiative Heat Transfer, *Indian Journal of Industrial and Applied Mathematics*, Vol. 11(1), pp. 42-61.

3. G. S. Seth, B. Kumar, **R. Nandkeolyar** (2019). MHD mixed convection stagnation point flow of a micropolar nanofluid adjacent to stretching sheet: a revised model with successive linearization method, *Journal of Nanofluids*, Vol. 8 (3), pp. 620-630, (Scopus Indexed).

4. M. Das, B. K. Mahatha, **R. Nandkeolyar**, S. Sarkar (2018). Double-diffusive mixed convection flow towards a convectively heated stretching sheet with non-linear thermal radiation, *International Journal of Heat and*

Technology, 36 (3), pp. 1015-1024,(Scopus Indexed).

5. M. Das, R. Mahto, **R. Nandkeolyar** (2015). Newtonian Heating Effect on Unsteady Hydromagnetic Casson Fluid Flow Past a Flat Plate with Heat and Mass Transfer, *Alexandria Engineering Journal*, Vol. 54 (4), pp. 871-879, (Scopus Indexed).
6. **R. Nandkeolyar**, A. Sutradhar, P.V.S.N. Murthy, P. Sibanda (2014). Viscous dissipation and Newtonian heating effects on free non-linear convection in a nanofluid saturated porous media, *Open Journal of Heat, Mass & Momentum Transfer*, Vol. 2(3), pp. 87-97 (2014).
7. **R. Nandkeolyar**, M. Das (2014). Unsteady MHD free convection flow of a heat absorbing dusty fluid past a flat plate with ramped wall temperature, *Afrika Matematika*, Vol. 25(3), pp. 779-798, (Scopus Indexed).
8. M. Das, **R. Nandkeolyar**, H. B. Pattanayak, Md. S. Ansari (2014). Unsteady MHD Free Convection Flow of a Heat Radiating Fluid past a Flat Plate with Rampedness in Wall Temperature and Species Concentration, *Journal of Orissa Mathematical Society*, Vol. 33(2), pp. 28-54,(Scopus Indexed).
9. **R. Nandkeolyar**, S. S. Motsa, P. Sibanda (2013). Viscous and Joule heating in the stagnation point nanofluid flow through a stretching sheet with homogenous-heterogeneous reactions and nonlinear convection, *Journal of Nanotechnology in Engineering & Medicine, Transactions of ASME*, Vol. 4, 041001 (9 Pages), (Scopus Indexed).
10. **R. Nandkeolyar**, P. Sibanda (2013). On convective dusty flow with internal heat absorption, *Journal of Applied Mathematics*, Vol. 2013, Article Id: 806724, (Scopus Indexed).
11. **R. Nandkeolyar**, M. Das, H. B. Pattanayak (2013). Unsteady hydromagnetic radiative flow of a nanofluid past a flat plate with ramped temperature, *Journal of Orissa Mathematical Society*, Vol. 32(1), pp. 15-30, (Scopus Indexed).
12. G. S. Seth, **R. Nandkeolyar**, Md. S, Ansari (2013). Effects of Hall Current on Unsteady Hartmann Flow in a Rotating Channel with Perfectly Conducting Walls, *Journal of Magnetohydrodynamics, Plasma & Space Research*, Vol. 18(1), pp. 1-25.
13. G. S. Seth, Md. S. Ansari, **R. Nandkeolyar** (2011). Unsteady Hartmann Flow in a Rotating Channel with Perfectly Conducting Walls, *International Journal of Applied Mechanics & Engineering*, Vol. 16(4), pp. 1129-1146, (Scopus Indexed).
14. G. S. Seth, Md. S. Ansari, **R. Nandkeolyar** (2011). Unsteady Hydromagnetic Couette Flow within a Porous Channel, *Tamkang Journal of Science & Engineering*, Vol. 14 (1), pp. 7-14.
15. G. S. Seth, **R. Nandkeolyar**, Md. S. Ansari (2011). Effects of Hall Current on Unsteady Hydromagnetic Couette Flow in a Rotating System Induced Due to an Accelerated Movement of One of the Plates of The Channel in the Presence of an Inclined Magnetic Field, *International Journal of Applied Mechanics & Engineering*, Vol. 6(3), pp. 835-849,(Scopus Indexed).
16. G. S. Seth, **R. Nandkeolyar**, Md. S. Ansari (2011). Effect of Rotation on Unsteady Hydromagnetic Natural Convection Flow Past an Impulsively Moving Vertical Plate with Ramped Temperature in a Porous Medium with Thermal Diffusion and Heat Absorption, *International Journal of Applied Mathematics & Mechanics*, Vol. 7(21), pp. 52-69.
17. G. S. Seth, **R. Nandkeolyar**, Md. S. Ansari (2010). Unsteady MHD Convective Flow Within a Parallel Plate Rotating Channel with Thermal Source/Sink in a Porous Medium Under Slip Boundary Conditions, *International Journal of Engineering Science & Technology*, Vol. 2(11), pp.1-16.
18. G. S. Seth, Md. S. Ansari, **R. Nandkeolyar** (2010). Unsteady Hydromagnetic Couette Flow Induced due to Accelerated Movement of One of the Porous Plates of the Channel in a Rotating System, *International Journal of Applied Mathematics & Mechanics*, Vol. 6(7), pp. 24-42.
19. G. S. Seth, N. Mahto, Md. S. Ansari, **R. Nandkeolyar** (2010). Combined Free and Forced Convection Flow in a Rotating Channel with Arbitrary Conducting Walls, *International Journal of Engineering Science & Technology*, Vol. 2(5), pp. 184-197.

20. G. S. Seth, **R. Nandkeolyar**, Md. S. Ansari (2010). Hartmann Flow in a Rotating System in the Presence of Inclined Magnetic Field with Hall Effects, *Tamkang Journal of Science & Engineering*, Vol. 13(3), pp. 243-252 .

21. G. S. Seth, **R. Nandkeolyar**, N. Mahto, S. K. Singh (2009). MHD Couette Flow in a Rotating System in the Presence of Inclined Magnetic Field, *Applied Mathematical Sciences*, Vol. 3(59), pp. 2919-2932.

Conference Proceedings

1. V. K. Sinha, B. Kumar, G. S. Seth, **R. Nandkeolyar** (2020). Outlining the Impact of Thermal Radiation on Micropolar Nanofluid Viscous Dissipative Flow: A Spectral Method Based Numerical Simulation with Regression Analysis, *AIP Conference Proceedings*, Vol. 2253 (1), 020024, (Scopus Indexed).

2. G. K. Mahato, B. K. Mahatha, **R. Nandkeolyar**, B. Patra (2020). The effects of chemical reaction on magnetohydrodynamic flow and heat transfer of a nanofluid past a stretchable surface with melting, *AIP Conference Proceedings*, Vol. 2253 (1), 020011, (Scopus Indexed).

3. M. Das, G. Mahanta, S.B. Parida, **R. Nandkeolyar** (2018). Hydromagnetic flow of a heat radiating chemically reactive Casson nanofluid past a stretching sheet with convective boundary conditions, *AIP Conference Proceedings*, Vol. 1975 (1), 030015, (Scopus Indexed).

4. Md. S. Ansari, **R. Nandkeolyar**, S. S. Motsa (2015) Magnetohydrodynamic nanofluid flow and heat transfer along a permeable stretching surface with non uniform heat generation/absorption, Proceedings of the International Conference on Computational Methods (ICCM), Vol. 2, pp. 74-85.

5. B.K. Mahatha, **R. Nandkeolyar**, G. Nagaraju, M. Das (2015). MHD stagnation point flow of a nanofluid with velocity slip, Non-linear radiation and Newtonian heating, *Procedia Engineering*, Vol. 127, pp. 1010-1017, (Scopus Indexed).

6. M. Das, B.K. Mahatha, **R. Nandkeolyar** (2015). Mixed Convection and Nonlinear Radiation in the Stagnation Point Nanofluid flow towards a Stretching Sheet with Homogenous-Heterogeneous Reactions effects, *Procedia Engineering*, Vol. 127, pp. 1018-1025, (Scopus Indexed).

7. **R. Nandkeolyar**, P. Sibanda and Md. S. Ansari (2013) Unsteady Hydromagnetic Radiative Flow Of A Dusty Fluid Past A Porous Plate With Ramped Wall Temperature, *Proceedings of ASME 2013 International Mechanical Engineering Congress & Exposition*, Vol. 7A, Paper No. IMECE2013-66699, p. V07AT08A070, (Scopus Indexed).

Conference Presentations

- Magnetohydrodynamic Natural Convection Slip Flow of a Nanofluid with Newtonian Heating and Non-linear Radiative Heat Transfer, *The Second International Conference on Frontiers in Industrial & Applied Mathematics (FIAM)-2019*.
  Galgotias College of Engineering and Technology, Greater Noida, India — December 21-22, 2019

- Numerical Analysis of Hall Effects on Unsteady Hydromagnetic Three Dimensional Flow of a Jeffrey Fluid, *International Congress of Mathematicians (ICM)-2018*.
  Rio De Janeiro, Brazil — August 1-9, 2018

- Unsteady Hydromagnetic Three-Dimensional Flow of a Jeffrey Fluid with Hall Effects, *International Conference on Frontiers in Industrial & Applied Mathematics (FIAM)-2018*.
  NIT Hamirpur, Hamirpur, India — April 26-27, 2018

- Unsteady Hydromagnetic Radiative Flow Of A Dusty Fluid Past A Porous Plate With Ramped Wall Temperature, *ASME 2013 International Mechanical Engineering Congress & Exposition*.
  San Diego, California, USA — November 15-21, 2013

- Viscous and Joule heating in the stagnation point nanofluid flow through a stretching sheet with homogenous-heterogeneous reactions and nonlinear convection, 56^{th} *Annual Congress of the South African Mathematical Society (SAMS)*.
  University of KwaZulu-Natal, Pietermaritzburg, South Africa — October 30 - November 01, 2013

- Effects of Rotation on Unsteady MHD Free Convection Flow Past An Impulsively Moving Vertical Plate With Ramped Temperature in a Porous Medium With Thermal Diffusion and Heat Absorption, 99^{th} *Indian Science Congress* (ISC-2012).
  KIIT University, Bhubaneswar, India — January 3-7, 2012
- Effects of Hall Current on Unsteady MHD Couette Flow Induced Due to Accelerated Movement of One of the Plates of the Channel in the Presence of an Inclined Magnetic Field, 99^{th} *Indian Science Congress* (ISC-2012).
  KIIT University, Bhubaneswar, India — January 3-7, 2012
- Effects of Radiation and Rotation on MHD Free Convection Flow Past an Impulsively Started Plate Embedded in a Porous Medium with Ramped Wall Temperature, *International Congress of Mathematicians-2010*.
  Hyderabad, India — August 19-27, 2010
- Unsteady Hydromagnetic Flow in Rotating Channel with Perfectly Conducting Walls, *International Congress of Mathematicians-2010*.
  Hyderabad, India — August 19-27, 2010
- Unsteady MHD Couette Flow of a Dusty Fluid in a Rotating System, *National Seminar on Recent Advances in Theoretical and Applied Seismology*.
  Indian School of Mines, Dhanbad, India — March 27-28, 2009
- Effects of Hall Current on Hartmann Flow in a Rotating Channel in the Presence of an Inclined Magnetic Field, *National Seminar on Recent Advances in Theoretical and Applied Seismology*, Department of Applied Mathematics.
  Indian School of Mines, Dhanbad, India — March 21-22, 2007
- Hall Effects on Hartmann Flow in a Rotating Channel in the Presence of an Inclined Magnetic Field, *XXIII Annual Conference of the Mathematical Society of BHU*.
  Banaras Hindu University, Varanasi, India — December 29-30, 2007

Projects

- Modelling and Simulation of Three-dimensional Magnetohydrodynamic Nanofluid Flows & Over a Stretching Surface: **Funded by Science & Engineering Research Board, New Delhi, India**.
  Sanctioned Amount: INR 17.47 Lakhs — Duration: 3 Years
- Numerical Study of MHD Nanofluid Flow in the Presence of Induced Magnetic Field: **Funded by Thapar Institute of Engineering & Technology, Patiala as Seed Grant.**
  Sanctioned Amount: INR 3.60 Lakhs — Duration: 2 Years

Ph. D. Supervision

- ⋆ Mr. Mrutyunjay Das (Completed in 2014)
- ⋆ Mr. Bhupesh Kumar Mahatha (Completed in 2016)
- ⋆ Ms. Prashu (Ongoing)
- ⋆ Mr. Vivek Kumar Sinha (Ongoing)**[External Supervisor, Registered at IIT (ISM) Dhanbad]**
- ⋆ Ms. Anindita Sahu (Ongoing)
- ⋆ Mr. Arindam Sarkar (Ongoing)
- ⋆ Mr. Premful (Ongoing)

Masters Supervision

- ⋆ Mrs. Parneet Bansal (Completed in 2016)
- ⋆ Ms. Maninderjeet Kaur (Completed in 2017)

- ⋆ Ms. Cheenu Bansal (Completed in 2018)
- ⋆ Mr. Gaurav Kumar (Completed in 2019)
- ⋆ Ms. Preeti Rani (Completed in 2020)

Journal Editorial

- Editorial Board Member of African Journal of Science and Engineering, South Africa.
- Editorial Board Member of Journal of Modern Mechanical Engineering and Technology, USA.

Journals Reviewed

Applied Mathematical Modelling, Nuclear Science & Technology, Physica Scripta, Journal of Magnetics, Propulsion and Power Research, Chinese Journal of Physics , International Journal for Numerical Methods in Heat and Fluid Flow, Journal of Hydrodynamics, Series B, Journal of King Saud University, Journal of Brazilian Society of Mechanical Sciences & Engineering, Zeitschrift für Naturforschung A, Afrika Matematika, Bulgarian Chemical Communications,International Journal of Exergy, Journal of Applied Fluid Mechanics, Journal of Egyptian Mathematical Society, Advances in Mathematical Physics, Journal of Mathematics.

Workshops Attended

- ⋆ GIAN Course on Pseudo-Spectral Methods and their Applications in Solving System of Differential Equations, Organized by Department of Mathematics.
  BMS College of Engineering, Bangalore, India — January 15-25, 2018.
- ⋆ Faculty Induction & Orientation Program
  Thapar Institite of Engineering & Technology, Patiala, India — September 19-23, 2016.
- ⋆ Sixth Annual Workshop on Computational Applied Mathematics and Mathematical Modelling in Fluid Flow, Organized by School Of Mathematics, Statistics And Computer Science
  University of KwaZulu-Natal, Pietermaritzburg, South Africa — July 08-12, 2013.
- ⋆ Faculty Development Program
  KIIT University, Bhubaneswar, India — June 26-28, 2012.

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