

Miss. Pooja Popatrao Humane, Ph.D.

✉ humne.pooj91@gmail.com

🆔 <https://orcid.org/0000-0003-2600-2867>



Employment History

- 2016 – 📌 **Visiting Faculty**, Government College of Engineering, Karad, Maharashtra, India.
- July 2017 – April 2020 📌 **Visiting Faculty**, Government College of Polytechnic, Karad, Maharashtra, India.
- 2013 – 2016 📌 **Assistant Professor**. DACOE, Karad, Maharashtra, India.

Education

- 2018 – 2023 📌 **Ph.D. thesis Submitted, Shivaji University**, Kolhapur, Maharashtra, India.
Thesis title: *Convective heat and mass transfer of non-Newtonian fluid past a stretching device*
- 2015 📌 **B.Ed.** Shivaji University, Kolhapur, Maharashtra, India.
Percentage: 78.33 %
- 2011 – 2013 📌 **M.Sc. Mathematics** Shivaji University, Kolhapur, Maharashtra, India.
Percentage: 82.79 %
- 2009 – 2011 📌 **B.Sc. Mathematics** Krishna Mahavidyalya, Shivaji University, Kolhapur, Maharashtra, India.
Percentage: 90.04 %
- 2008 📌 **H.S.C.** , Kolhapur, Maharashtra, India.
Percentage: 80.67 %
- 2006 📌 **S.S.C.** , Kolhapur, Maharashtra, India.
Percentage: 86.53 %

Area of Research Interest

- 📌 Group Symmetry Techniques
- 📌 Heat and mass transfer analysis
- 📌 Magnetohydrodynamics of non-Newtonian Fluids
- 📌 Nanofluids
- 📌 Hybrid nanofluids
- 📌 Bioconvection

Research Publications

Journal Articles

- 1 P. Humane, V. Patil, and A. Patil, "Effects of radiation and chemical reaction on mhd casson nanofluid flow past a porous stretching surface," *Computational Thermal Sciences: An International Journal*,

- 2 **Humane, Pooja P**, V. S. Patil, A. B. Patil, and M. Shamshuddin, "Buongiorno modelled nanoliquid consequence of thermal and solutal convection on the magneto-micropolar fluid inside an inclined porous stretching device," *Journal of Nanofluids*, vol. 12, no. 1, pp. 211–222, 2023.
- 3 **Humane, Pooja P**, V. S. Patil, M. Shamshuddin, G. R. Rajput, and A. B. Patil, "Role of bioconvection on the dynamics of chemically active casson nanofluid flowing via an inclined porous stretching sheet with convective conditions," *International Journal of Modelling and Simulation*, pp. 1–20, 2023.
- 4 A. B. Patil, N. S. Patil, V. S. Patil, P. P. Humane, and G. R. Rajput, "Unsteady thermally radiative prandtl fluid flow past a magnetized inclined porous stretching device with double-diffusion, viscous dissipation, and joule heating," *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering*, vol. 237, no. 3, pp. 762–770, 2023.
- 5 A. B. Patil, V. S. Patil, P. P. Humane, S. MD, and G. R. Rajput, "Mhd-driven chemically active and thermally radiative prandtl hybrid nanofluid flow on stretching device with ohmic heating, dissipation, and diffusion effects," *Numerical Heat Transfer, Part A: Applications*, pp. 1–18, 2023.
- 6 A. B. Patil, V. S. Patil, **Humane, Pooja P**, M. Shamshuddin, and M. A. Jadhav, "Double diffusive time-dependent mhd prandtl nanofluid flow due to linear stretching sheet with convective boundary conditions," *International Journal of Modelling and Simulation*, vol. 43, no. 1, pp. 34–48, 2023.
- 7 **Humane, Pooja P**, V. S. Patil, A. B. Patil, M. Shamshuddin, and G. R. Rajput, "Dynamics of multiple slip boundaries effect on mhd casson-williamson double-diffusive nanofluid flow past an inclined magnetic stretching sheet," *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering*, vol. 236, no. 5, pp. 1906–1926, 2022.
- 8 A. B. Patil, **Humane, Pooja P**, V. S. Patil, and G. R. Rajput, "Mhd prandtl nanofluid flow due to convectively heated stretching sheet below the control of chemical reaction with thermal radiation," *International Journal of Ambient Energy*, vol. 43, no. 1, pp. 4310–4322, 2022.
- 9 A. B. Patil, V. S. Patil, **Humane, Pooja P**, N. S. Patil, and G. R. Rajput, "Thermally and chemically reacted mhd maxwell nanofluid flow past an inclined permeable stretching surface," *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering*, vol. 236, no. 3, pp. 838–848, 2022.
- 10 V. S. Patil, Humane, Pooja P, and A. B. Patil, "Mhd williamson nanofluid flow past a permeable stretching sheet with thermal radiation and chemical reaction," *International Journal of Modelling and Simulation*, pp. 1–15, 2022.
- 11 V. S. Patil, A. B. Patil, M. Shamshuddin, **Humane, Pooja P**, and G. R. Rajput, "Eyring-powell nano liquid flow through permeable elongated sheet conveying inclined magnetic field subject to constructive chemical reaction and multiple slip effects," *International Journal of Modelling and Simulation*, pp. 1–16, 2022.
- 12 **Humane, Pooja P**, V. S. Patil, and A. B. Patil, "Chemical reaction and thermal radiation effects on magnetohydrodynamics flow of casson-williamson nanofluid over a porous stretching surface," *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering*, vol. 235, no. 6, pp. 2008–2018, 2021.
- 13 V. S. Patil, A. B. Patil, S. Ganesh, **Humane, Pooja P**, and N. S. Patil, "Unsteady mhd flow of a nano powell-eyring fluid near stagnation point past a convectively heated stretching sheet in the existence of chemical reaction with thermal radiation," *Materials Today: Proceedings*, vol. 44, pp. 3767–3776, 2021.

Invited Talks

Jan 17, 2022

- **Title of the talk-** Beamer presentation in LaTeX.
- Conference Theme-**Mathematical Modelling and Programming
- Place-** Satara, India.




Invited Talks (continued)

- March 14, 2022 **■** **Title of the talk-** Professional documentation with LaTeX.
Conference Theme-Research methodology for Mathematical science
Place- Latur, India.
- April 13, 2022 **■** **Title of the talk-** Applications of Mathematics in real world
Conference Theme-Invited Talk for Science Students
Place- Karad, India.








Refresher Course/STTP/Workshops/Seminar Attended

- Dec. 27-28,2011 **■** **Workshop-** Career opportunities in Mathematics and Computer science
Organizer- Shivaji University, Kolhapur.
Place- Kolhapur, India.
- Aug. 25-26,2012 **■** **Workshop-** Career opportunities in Mathematics
Organizer- Shivaji University, Kolhapur.
Place- Kolhapur, India.
- Aug. 06,2013 **■** **Training -** Revised syllabus of First year Engineering Mathematics
Organizer- Daulatrao Aher College of Engineering, Karad.
Place- Karad, India.
- Dec. 23-27,2019 **■** **One Week STTP -** Computational Tools: MATLAB, Python and Mathematica
Organizer- Govt. College of Engineering, Karad.
Place- Karad, India.
- April 27-02,2020 **■** **FDP -** One Week online FDP on 'LaTeX'
Organizer- I. I. T., Bombay
Place- Mumbai, India.
- April 29,2020 **■** **Webinar -** Improving Research Planning at Technical Institutes
Organizer- Elsevier & VTU Consortium
Place- Online
- May 01-04,2020 **■** **Webinar Series -** Research Methodology
Organizer- Sankalchand Patel University, Visnagar, Gujarat
Place- Online
- May 15,2020 **■** **Webinar-**Benefits of Journals and Books in Research
Organizer- Elsevier
Place- Online
- May 18-22,2020 **■** **STTP-MATLAB based teaching-learning in Mathematics, Science, and Engineering.**
Organizer- Department of Electronics Engineering, Ramrao Adik Institute of Technology, Mumbai
Place- Online
- **Webinar-**Modern aspects of complex analysis and its applications
Organizer- Sadguru Gadage Maharaj College, Karad
Place- Online
- May 20-21,2022 **■** **National conference-**National conference on Advances in Science, Engineering and Technology for Sustainable Development (NCASETSD-2022)
Organizer- Govt. College of Engineering, Karad.
Place- Karad, India




Skills

- Languages  Strong reading, writing and speaking competencies for English, Marathi, and Hindi.
- Coding  C, C++, \LaTeX , ...
- Misc.  Research, teaching, training, \LaTeX typesetting and publishing.

Awards, Honour's and Scholarships

- 2009  **Name of the Award and Honour's** - Merit Certificate and Merit Scholarship for B.Sc- I.
 Awarding Organization-Shivaji University, Kolhapur.
-  **Name of the Award and Honour's** - Rank 11 and State Scholarship in Graduate Excellence Exam
 Awarding Organization-N. Wadia College, Pune.
- 2011  **Name of the Award and Honour's** - Merit Certificate and Merit Scholarship for B.Sc- III.
 Awarding Organization-Shivaji University, Kolhapur.
-  **Name of the Award and Honour's** - Rank-2 (Stood Second at B.Sc.).
 Awarding Organization-Shivaji University, Kolhapur.
-  **Name of the Award and Honour's** - Late Waman Vasudev Kulkarni prize
 Awarding Organization-Shivaji University, Kolhapur.
- 2012  **Name of the Award and Honour's** - Merit Certificate and Merit Scholarship for M.Sc.
 Awarding Organization-Shivaji University, Kolhapur.
- 2013  **Name of the Award and Honour's** - Rank-2 (Stood Second at M.Sc.).
 Awarding Organization-Shivaji University, Kolhapur.

Contact

- Address  Asst. Professor (Visiting Faculty),
 Department of Mathematics,
 Government College of Engineering,
 Vidyanagar, Karad-415124
 Dist. - Satara, India
- Phone  +91 – 9921571244
- Email  humne.pooja91@gmail.com

References

Available on Request

The above information is brief and correct to the best of my knowledge.

Date: 07/07/2023



Miss. Pooja Popatrao Humane