

Faculty Profile Details



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|---------------|---|
| Name | Dr. Dhananjaya M. |
| Designation | Assistant Professor |
| Qualification | M.Sc., Ph.D. |
| Experience | 14 Years |
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Area of Interest:

- Fluid mechanics
- Graph theory
- Magnetohydrodynamics
- Mathematical modeling

Own website, YouTube Channel – link:

https://www.youtube.com/channel/UCd3rO_7WzqRva3mR9ITjyxg/featured?view_as=subscribe
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No. of Research Scholar pursuing: 02

Guest Lecture/Invited Talks: 01

Publications:

No of Publications: 07

International Journals:

- “Over stability of a rotating Nano fluid-saturated porous layer heated from below. *Journal of Nano fluids*. 5(1), 176-185, 2016.
- “Thermal convection in a Nano fluid layer with thermorheological effect”. *Journal of Nano fluids*. 4, 402-411, 2015.

- “Penetrative Brinkman convection in an anisotropic porous layer saturated by a Nano fluid”. *Ain Shams Engineering Journal*. 6, 703-713, 2015.
- “Thermal convective instability in an Oldroyd-B Nano fluid saturated porous layer”. *International Journal of Heat and Mass Transfer*. 84, 167-177, 2015.
- "Implication of cross-diffusion on the stability of double diffusive convection in an imposed magnetic field", *Zeitschrift für angewandte Mathematik und Physik (ZAMP)*, 72(117), 2021

National Journals:

- “Effect of temperature-dependent internal heating on thermal convection in a viscoelastic Nano fluid saturated porous layer”. *Vijnana Bharathi-Bangalore University Journal of Science- A bi-annual periodical*. 1(2), 55-84, 2016.
- “Onset of convection in a Nano fluid saturated porous layer with temperature dependent viscosity”. *International Journal of Engineering Research and Applications*. 4, 80-85, 2014.
- “Effect of variable viscosity on thermal convective instability in a Nano fluid saturated porous layer”. *International Journal of Mathematical Archive*. 5, 38-46, 2014.