## *Ms. Sanwatee Behera*

**Designation: Asst. Prof. (Guest Faculty)**

**Qualification: M.Sc., Mathematics, CSIR UGC-NET**

**Date of Birth: 23.06.1997**

**Date of Joining: 05.07.2024**

**Mob: 7008288461 ; Email: sanwatee@gmail.com**

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**SCOPUS:https://www.scopus.com/authid/detail.uri?authorId=57813563400**
**WOS: https://www.webofscience.com/wos/author/record/KXR-2673-2024**


- **Area of Interest:** Fluid Dynamics, Numerical Analysis, ODE, PDE, Linear Algebra
- **Courses taught:** Linear Algebra, Discrete Mathematics, ODE, PDE
- **Career:** M. Sc Mathematics, CSIR-UGC NET
- **Teaching Experience:** NA
- **Research Experience:** 4 yrs.
- **Administrative/Executive Experience:** NA
- **Awards & Honors:** M.Sc. Gold Medalist in Mathematics, UGC Rank holder Scholarship, CSIR-UGC NET, GATE
- **Membership in editorial board:** NA
- **Membership in Scientific Societies:** NA
- **Research Guidance:** NA
- **Research Grants:** NA

✓ ***Ongoing Research projects***

✓ ***Completed Research projects***

## ✓ Publications

1. **Behera, S., Dash, A. K., Mishra, S. R. (2023)**. Impact of partial slip on the radiative conducting nanofluid flow through an expanding sheet for the interaction of heat source/sink. **Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanomaterials, Nanoengineering and Nanosystems**, 237(1-2), 31-43.
2. **Behera, S., Dash, A. K., Mishra, S. R. (2022).** Illustration of buoyant forces on Casson nanofluid flow through an exponentially stretching sheet with thermal radiation and chemical reaction**. Heat Transfer**, 51(7), 6762-6781.
3. **Pattnaik, P. K., Behera, S., Mishra, S. R., Dash, A. K. (2023).** Effect of particle shape on the heat transfer of magnetohydrodynamic nanofluid with dissipative energy and inertial drag. **International Journal of Modern Physics B**, 2450243.
4. **Behera, S., Pattnaik, P. K., Mishra, S. R., Dash, A. K. (2023).** Variation of nanoparticle shapes using the Hamilton–Crosser conductivity model for the gold–water nanofluid through a channel. **Modern Physics Letters B**, 2350082.
5. **Dash, A. K., Behera, S., Mishra, S. R. (2023).** Analytical approach for the unsteady MHD hybrid nanofluid flow in a permeable medium with ramped wall temperature. **International Journal of Ambient Energy**, 44(1), 1036-1046.

**Total Publication: 5**
**Total citation: 5; H-index: 1;**

✓ ***Journal publications:*** ***5***

✓ ***Publication of Books/book chapters:*** ***NA***

✓ ***Full paper in conference proceedings:*** ***NA***

✓ **List of Patents: NA**

➢ **Participation in major conferences & seminars (as invited/plenary/chair): NA**