Name: Dr. Sewli Chatterjee
Designation: Assistant Professor (Stage-II)
Head of the Department
Department of Mathematics
Date of Joining: 28-01-2015

Present Address/Permanent Address:
Department of Mathematics,
Turku Hansda Lapsa Hemram Mahavidyalay,
Panagarh - Morgram State Hwy., Mallarpur, Birbhum, West Bengal 731216

Academic qualification with year of passing:

(i). Ph.D (2013) in Mathematics, Visva-Bharati University, Santiniketan, West-Bengal
(ii) M.Sc. (2005) (Mathematics & Computing), Indian School of Mines (IIT-Dhanbad)
(iii) B.Sc. (2002) (Mathematics Honours), Vinova-Bhava University, Hazaribag, Jharkhand

Participation in Professional Course (2016 onwards):

1. Orientation Programme at IIT Dhanbad from 28th December to 25th January' 2018.
2. 1st Refreshers Course in Mathematics, at Burdwan University, Academic Staff College from 24th July 2018 to 13th August 2018.
3. Refresher course on Globalization and Emerging Socio Economic Challenges (Multi Disciplinary) conducted by UGC-Human resource Development Centre, University of Rajasthan, Jaipur from 05/10/2020 to 17/10/2020.

Publication of books chapters (2016 onwards)

- Nibedita Mandal, Sewli Chatterjee and Hiranmoy Mondal, Effect of MHD viscous nanofluid flow in the presence of internal heat generation, Computational Simulation and Experimental Techniques for Nanofluid Flow ISBN (Online): 978-981-5223-70-5, Published by Bentham Science Publishers Pte. Ltd. Singapore. 2024, page no. 131-144
- Sewli Chatterjee, Effects of Activation Energy and ThermoConvection of Nanofluid Flow, Computational Simulation and Experimental Techniques for Nanofluid Flow ISBN (Online): 978-981-5223-70-5, Published by Bentham Science Publishers Pte. Ltd. Singapore. 2024, page no. 53-63

Publication of research articles or papers in Journal or edited volume (2016 onwards):

1. Hiranmoy Mondal, **Precious Sibanda**, Shweta Mishra, Prabir Kumar Kundu, **Sewli Chatterjee**,Subrata Das (2016) Effects of a nanofluids on MHD heat and mass transfer over a stretching sheet with thermal radiation and viscous dissipation. Proceedings of IMBIC, Vol 5 (2016)114-128. ISBN 978-81-925832-4-2.

2. **Sewli Chatterjee**, (2017) Effects of thermal conductivity and Joule heating of Power-law nanofluids on heat and mass transfer over a plate in porous medium, Journal of Nanofluids. 6 (2017) 1–8.

3. Shweta Mishra, **Sewli Chatterjee**, Hiranmoy Mondal, (2016) Mixed convection flow of a nanofluid through a porous medium with internal heat generation and chemical reaction. Int. J. BITM Transaction on EECC 5(1) (2016) 91-97.

4. Hiranmoy Mondal, Poulomi De, **Sewli Chatterjee**, Precious Sibanda, and Pranab Kanti Roy, (2017) MHD Three-Dimensional Nanofluid Flow on a Vertical Stretching Surface with Heat Generation/Absorption and Thermal Radiation. Journal of Nanofluids 6 (2017) 189–195.

5. Hiranmoy Mondal, Dulal Pal , **Sewli Chatterjee**, Precious Sibanda, (2017) Thermophoresis and Soret-Dufour on MHD mixed convection mass transfer over an inclined plate with non-uniform heat source/sink and chemical reaction, Ain Shams Engineering Journal, Doi: 10.1016/j.asej.2016.10.015.

6. Hiranmoy Mondal, Precious Sibanda, Shweta Mishra, Prabir Kumar Kundu, **Sewli Chatterjee**,Subrata Das (2016) Effects of a nanofluids on MHD heat and mass transfer over a stretching sheet with thermal radiation and viscous dissipation. Proceedings of IMBIC, Vol 5 (2016)114-128. ISBN 978-81-925832-4-2.
7. Dulal Pal, **Sewli Chatterjee**, Magnetohydrodynamic convective-radiative darcy-forchheimer heat and mass transfer of a micropolarfluid over a non-linear stretching sheet inexistence of soret-dufour effects. Computational Thermal Sciences: An International Journal (2018) 1-22.

8. Dulal Pal, **Sewli Chatterjee**, Convective-radiative double-diffusion heat transfer in power-law fluid due to a stretching sheet embedded in non-Darcy porous media with Soret–Dufour effects. International Journal for Computational Methods in Engineering Science and Mechanics, (2019) 20 (4), 269-282.

9. H Mondal, S Ghosh, PK Roy, **S Chatterjee**, Effects of Ion-Slip and Hall Currents on Magnetohydrodynamic Nanofluid Flow with Thermal Diffusion Using Spectral Quasi-Linearization Method, Journal of Nanofluids. (2021) 10 (4), 608-615.

10. Sewli Chatterjee, Raju Dutta, Effects of boundary layer flow in viscous nanofluid induced by non-linear stretching sheet, Mathematical Forum, (2022), 30, 17-30.

11. Sewli Chatterjee, Effect of Magneto hydrodynamics hybrid nanofluid flow with thermal radiation and velocity slip parameter, Mathematical Forum (2023) 31, 20-33.

Paper presentation at International /National Seminar /conferences (2016 onwards)

1. As a Guest Speaker through the Webinar entitled “Entropy eneration analysis of Casson fluid” on 17th July, 2020, at Brainware University, Kolkata.

2. Presented a research paper in two days National Webinar on "Mathematics and its Applications in Science" organized on 14th and 15th September, 2020, entitked "Effect of mixed convection viscoelastic fluid with heat transport for past a vertical plate". Department of Mathematics, Abhedananda Mahavidyalaya, Sainthia, Wes Bengal.

3. Participated in the 5 days faculty Development programme on Applied Mathematics Skills for Science and Engineering Using contemporary tools on 14th -18th September, 2020, Organized by Department of Applied Science, School of Natural and Applied Sciences, Maulana Abul Kalam Azad University of Technology, West Bengal.

4. Attended the ICPR sponsored four day National webinar on "Man Morality" and Society: Modern and Contemporary Indian Philosophical perspectives" held on 3rd to 6th July 2021 to celebrate Indian Philosophers Day. THLH Mahavidhyalaya.

5. Delivered a lecture on "Application of Non-Newtonian Micropolar fluid " conducted by Department of Applied Mathematics, Maulana Abul Kalam Azad University of Technology, West Bengal on 22nd August, 2022.

6. Participated in "A three day online FDP on Research Trends in Computational Fluid Dynamics (CFD)" organized by Division of Mathematics, School of Advanced Sciences, Vellor Institute of Technology, Chennai from 28th to 30th September, 2022.

7. Attended 14th Annual International workshop on Computational Mathematics and Modelling, 29th June to 08th July 2022, University of KwaZulu Natal, South Africa.

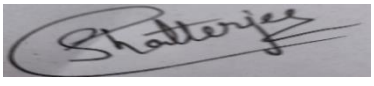
8. Delivered a lecture on "Effects of boundary layer flow in viscous nanofluid induced by non-linear stretching sheet" in International Conference on Emerging in Mathematical Sciences and Computing (IEMSC-23) at Kolkata during 3rd to 5th February, 2023.

Award received from any International /National/local body

Other informations related teaching profession

Acted as a Reviewer in Reputed Journals:

a) **Energy (Elsevier Journal)**
b) **International Journal of Applied Mechanics and Engineering (Taylor & Francis)**
c) International Journal of Applied and Computational Mathematics (Springer)



4-9-2024