FACULTY PROFILE

Name	:	Dr. E. JOTHI
Qualification	:	M.Sc., M.Phil., Ph.D.,
Designation	:	Assistant Professor Department of Mathematics
Years of Experience	:	UG : 12 years 2 months PG : 8 years 2 months
Email Id	:	jothiprabha1983@gmail.com

Areas of Specialization : Algebra, Fluid Dynamics.

Publications

1. Jothi E., Selvaraj A., Dilipjose S., Neel Armstrong A., Karthikeyan S. (2021) "Effect of MHD and Radiation Absorption Fluid Flow Past an Exponentially Accelerated Vertical Plate with Variable Temperature and Concentration." In: Peng SL., Hao RX., Pal S. (eds) Proceedings of First International Conference on Mathematical Modeling and Computational Science. Advances in Intelligent Systems and Computing, vol 1292. Springer, Singapore. https://doi.org/10.1007/978-981-33-4389-4_39. (Scopus Indexed)

2. Selvaraj A., Jothi E. (2021) "Heat source impact on MHD and radiation absorption fluid flow past an exponentially accelerated vertical plate with exponentially variable temperature and mass diffusion through a porous medium." Materials Today: Proceedings, Volume 46, Part 9, 2021, Pages 3490-3494, ISSN 2214-7853, https://doi.org/10.1016/j.matpr.2020.11.919. (Scopus Indexed)

3. Jothi E., Selvaraj A. (2021) "Performance of Dufour Effect on Unsteady MHD Flow past through Porous Medium an Exponentially Accelerated Inclined Vertical plate with Variable Temperature and Mass Diffusion." *Turkish Journal of Computer and Mathematics Education (TURCOMAT)* 12, no. 12 (2021): 3457-3463. https://turcomat.org/index.php/turkbilmat/article/view/8070/6317. (Scopus Indexed)

4. Jothi, E., Selvaraj A. (2021) "Dufour effect on MHD flow past an exponentially accelerated vertical plate through porous system with variable temperature and mass diffusion." Journal of Mathematical and Computational Science. 11, no. 5 (2021): 6205-6215. http://scik.org/index.php/jmcs/article/view/6104. (Scopus Indexed)

5. Jothi, E., Selvaraj A. (2021) "Combined Impacts On Mhd Flow Past An Exponentially Accelerated Vertical Plate In The Presence Of Uniformly Heat And Mass Transfer Effects. - JP Journal of heat and mass transfer." JP Journal of Heat and Mass Transfer. Volume 24, Issue 2, Pages 321 - 331 (December 2021) http://dx.doi.org/10.17654/0973576321007. (Scopus Indexed)

6. Dilip Jose S., Selvaraj A., Muthucumaraswamy R., Karthikeyan S., Jothi E. (2021) "MHD-Parabolic Flow Past an Accelerated Isothermal Vertical Plate with Variable Temperature and Uniform Mass Diffusion in the Presence of Rotation." In: Peng SL., Hao RX., Pal S. (eds) Proceedings of First International Conference on Mathematical Modeling and Computational Science. Advances in Intelligent Systems and Computing, vol 1292. Springer, Singapore. https://doi.org/10.1007/978-981-33-4389-4_38. **(Scopus Indexed)**

7. Prabavathi, D., A. Selvaraj, E. Jothi, and S. Shanmugan. "Rotating oscillations of solar cooker with a permeable bar plate in a couple stress of fluid dynamics." *International Journal of Engineering and Advanced Technology* 8, no. 5 (2019): 876-879.

Presentations

1. Paper presented in 1st International conference on mathematical modeling and computational science (ICMMCS-2020)- 14th and 15th August 2020.Title- "Effect of MHD and Radiation Absorption Fluid Flow Past an Exponentially Accelerated Vertical Plate with Variable Temperature and Concentration."

2. Paper presented in International Conference on Materials, Manufacturing and Mechanical Engineering for Sustainable Developments (ICMSD2020) – 19th and 20th November 2020. Title - "Heat Source Impact on MHD and Radiation Absorption Fluid Flow Past an Exponentially Accelerated Vertical Plate with Exponentially Variable Temperature and Mass Diffusion Through a Porous Medium."

3. Paper presented in International Virtual Conference on Smart Advanced Material Science and Engineering Applications (IVCSAMSEA 2020) on 3rd – 5th December 2020 titled "Dufour Effect on MHD Flow Past an Exponentially Accelerated Vertical Plate Through Porous System with Variable Temperature and Mass diffusion."

4. Paper presented in International Virtual Conference on Smart Advanced Material Science and Engineering Applications (IVCSAMSEA 2020) on 3rd – 5th December 2020 titled "Performance of Dufour Effect on Unsteady MHD Flow past through Porous Medium an Exponentially Accelerated Inclined Vertical plate with Variable Temperature and Mass Diffusion."

5. Paper presented in 4th International Conference on Current Scenario in Pure and Applied Mathematics (ICCSPAM 2021) on 29th and 30th January 2021 titled "Combined Impacts on MHD Flow Past an Exponentially Accelerated Vertical Plate in the presence of Uniformly Heat and Mass Transfer Effects."

Conferences/Workshops/Seminar/Webinars Participated

1. Two days workshop - Research Methodology and Statistical Tools, organized by Bhaktavatsalam Memorial College for Women, Chennai, 15th & 16th Feb 2013.
2. International Conference - Emerging trends &challenge in science and technology, organized by Bhaktavatsalam Memorial College for Women, Chennai, 1st & 2nd March 2013.
3. National Conference - Recent Advancements in computer science, Mathematics, Physics and Electronics (NCACMPE), organized by Bhaktavatsalam Momerial College for Women, Chennai, 8th and 9th Feb 2018.

Awards / Recognition

1. Best paper award in International Virtual Conference on Smart Advanced Material Science and Engineering Applications (IVCSAMSEA 2020) on 3^{rd} – 5^{th} December 2020 titled "Performance of Dufour Effect on Unsteady MHD Flow past through Porous Medium an Exponentially Accelerated Inclined Vertical plate with Variable Temperature and Mass Diffusion."