

RESUME

1. PERSONAL

Full Name: Sayyed Shoeb Rashid

2. EDUCATION QUALIFICATION

M.Sc.(Mathematics), SET, NET, Ph.D.

3 AREA OF RESEARCH

Fluid Dynamics (Boundary Layer Theory)

Pursuing Ph.D. under the guidance of Dr. B. B. Singh in the Department of Mathematics, Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad since February 3, 2017.

Title of the PhD Thesis:

“On the Study of Similarity Boundary Layer Equations of Fluid Flows”

4. LIST OF PUBLICATIONS

4.1. PAPERS PUBLISHED IN JOURNALS

1. **S.R. Sayyed**, B.B. Singh and Nasreen Bano, An integral treatment for dissipative boundary layer flow along a radiating vertical surface convection in a porous medium, Diffusion Foundations 11(2017) 191-207.(Peer reviewed and UGC approved)
ISSN: 2296-3642 <https://doi.org/10.4028/www.scientific.net/df.11.191>
2. **S.R. Sayyed**, B.B. Singh and Nasreen Bano, Radiative MHD stagnation-point flow with heat transfer past a permeable stretching/shrinking sheet in a porous medium, Diffusion Foundations, 11(2017) 110-128.(Peer reviewed and UGC approved)
ISSN: 2296-3642 <https://doi.org/10.4028/www.scientific.net/df.11.110>
3. **S.R. Sayyed**, B.B. Singh and Nasreen Bano, Analytical solution of MHD slip flow past a constant wedge within a porous medium using DTM-Pade, Applied Mathematics and Computation, 321(2018) 472-482. (SCI and Scopus indexed and UGC approved)(Thompson Reuter Impact Factor-2.3)
ISSN: 0096-3003 <https://doi.org/10.1016/j.amc.2017.10.062>
4. Nasreen Bano, B. B. Singh and **S.R. Sayyed**, Homotopy analysis for MHD Hiemenz flow in a porous medium with thermal radiation, velocity and thermal slips effects, Frontiers in Heat and Mass Transfer (FHMT), 10(2018) 14(1-9). (WoS/Scopus indexed and UGC approved)
ISSN: 2151-8629 <https://doi.org/10.5098/hmt.10.14>

5. Nasreen Bano, B. B. Singh and **S.R. Sayyed**, DTM-Padé treatment for MHD slip flows of UCM fluids above porous stretching sheets, *Special Topics & Reviews in Porous Media — An International Journal*, 9(4) (2018) 379-397. (Scopus Indexed and UGC approved)
ISSN: 2151-4798 <https://doi.org/10.1615/specialtopicsrevporousmedia.2018022134>
6. Nasreen Bano, O.D. Makinde, B.B. Singh and **S.R. Sayyed**, Radiation effect on heat and mass transfer by natural convection from a horizontal surface embedded in a porous medium, *Diffusion Foundation*, 1(2018) 140-157. (Peer reviewed and UGC approved)
ISSN: 2296-3642 <https://doi.org/10.4028/www.scientific.net/df.16.140>

4.2. PAPERS PUBLISHED IN PROCEEDINGS

1. B. B. Singh, Nasreen Bano and **Sayyed S. R.**, Asymptotic integration of solutions of MHD flow equations with heat and mass transfer due to point sink, *Proceedings of the Mathematical Society (BHU), Varanasi*, Vol. 31(2015), pp. 1-6. (ISSN: 0970-7080).
2. B. B. Singh, Nasreen Bano and **S.R. Sayyed**, Asymptotic integration of the solutions of the unsteady boundary layer equations with a magnetic field, *Proceedings of the Mathematical Society (BHU), Varanasi*, Vol. 31(2015), pp. 7-13 (ISSN 0970-7080).
3. B. B. Singh and S. R. **Sayyed**, Asymptotic Integration of the Solutions of Unsteady Boundary Layer and Heat Transfer Equations due to a Stretching Sheet, *International Conference on Current Trends in Engineering, Conference Proceedings of Grenze International Journal*, pp. 242-254, 2017.(ISSN: 2395-5287)
4. Nasreen Bano, B. B. Singh and **S.R. Sayyed**, MHD slips flow and heat transfer of a radiating viscous fluid over a radially stretching sheet” in the Conference Proceeding of 44th National Conference on Fluid Mechanics and Fluid Power(FMFP 2017) and accepted for publication in journal *Recent Patents in Mechanical Engineering* (Scopus indexed and in UGC list).
5. **S.R. Sayyed**, B.B. Singh and Nasreen Bano, Dissipative effect on heat and mass transfer by natural convection over a radiating needle in a porous medium” in the Conference Proceeding of International Conference on Numerical Heat Transfer and Fluid Flow (NHTFF-2018) and accepted for publication in *Lecture Notes in Mechanical Engineering*(peer reviewed journal in UGC list).
6. **S.R. Sayyed**, B.B. Singh and Nasreen Bano, MHD stagnation-point dissipative flow in a porous medium with Joule heating and second-order slip in the Conference Proceeding of 3rd International Conference on Computing, Communication and Signal Processing (ICCASP-2018) and accepted for publication in *Springer AISC (Advances in Intelligent Systems and Computing) Series*. (ISI and Scopus indexed and in UGC list).
7. Nasreen Bano, B. B. Singh and **S.R. Sayyed**, MHD flow with heat and mass transfer over a radiating cone due to a point sink in presence of partial and solutal slips in the

Conference Proceeding of 3rd International Conference on Computing, Communication and Signal Processing (ICCASP-2018) and accepted for publication in Springer AISC(Advances in Intelligent Systems and Computing) Series. (ISI and Scopus indexed and in UGC list).

4.3. BOOK/MONOGRAPH PUBLISHED

1. **S.R. Sayyed**, B.B. Singh and Nasreen Bano, *On the fundamental concepts of fluid flows*, LAP Lambert Academic Publishing, Mauritius 2018.
ISBN: 978-613-9-89030-9

4.4. BOOK CHAPTER

1. **S.R. Sayyed**, B.B. Singh and Nasreen Bano, Dissipative effect on heat and mass transfer by natural convection over a radiating needle in a porous medium, Numerical heat transfer and fluid flow, Lectures Notes in Mechanical Engineering Series, Springer, 1-7, 2018. (Scopus Indexed and UGC approved)
ISBN: 978-981-13-1902-0 **ISSN:** 2195-4356
2. **S.R. Sayyed**, B.B. Singh and Nasreen Bano, MHD stagnation-point dissipative flow in a porous medium with Joule heating and second-order slip, Computing, Communication and Signal Processing, Advances in Intelligent Systems and Computing Series, Springer, 810(2019) 601-609. (Scopus Indexed and UGC approved)
ISBN: 978-981-13-1513-8 https://doi.org/10.1007/978-981-13-1513-8_61
3. Nasreen Bano, B. B. Singh and **S.R. Sayyed**, MHD flow with heat and mass transfer over a radiating cone due to a point sink in presence of partial and solutal slips Computing, Computing, Communication and Signal Processing, Advances in Intelligent Systems and Computing Series, Springer, 810(2019) 591-599. (Scopus Indexed and UGC approved)
ISBN: 978-981-13-1513-8 https://doi.org/10.1007/978-981-13-1513-8_60

6. COMPUTER KNOWLEGE

1. Basic knowledge of MS-Word, Excel and Power-Point.
2. LaTeX Software
(LaTeX is a high-quality typesetting system; it includes features designed for the production of technical and scientific documentation)
3. MATHEMATICA software
(Wolfram Mathematica (usually termed Mathematica) is a modern technical computing system spanning all areas of technical computing - including neural networks, machine learning, image processing, geometry, data science, visualizations, and others.)
4. Corel Draw
5. C Programming
6. Python