Piroja Begum, M.Sc., M.Phil. Ph.D.

Email: pirojabegum928@gmail.com

Employment History

October 2005 - Current, Assistant Prof. and HOD of Mathematics Dept., Nalbari College - Nalbari, India.

Education

Ph.D. Cotton university,2023,
Title of Thesis: A Study of some Steady and Unsteady Flow Problems with or without Magnetic Field.
M. Phil, Periyar University,2008
Title of Dissertation: A Brief History on Kaitheli Anka
M. Sc. Gauhati University,1997, Special paper: Fluid Dynamics and Relativity
B. Sc. Nalbari College,1994

H.S Nalbari College,1991

Research Publications:

Journal Articles

1. Dufour Effect on MHD Free Convection Heat and Mass Transfer Effects Flow over an Inclined Plate Embedded in Porous Medium. Page:111-123, Journal of Scientific Research.Volume 13,No-1, 2021. **(UGC Care listed Journal)**
2. Heat and Mass Transfer Effects on Unsteady MHD Free Convection Flow Over Stretching Sheet with the effect of thermal Radiation and Soret number in Porous Medium. Page: 41-54, Vol.19, Journal of Rajasthan Academy of Physical Science.January-June, 2020.(**UGC Care listed Journal)**
3. Heat and Mass Transfer Analysis on Laminar Mixed Convection Flow with Chemical Reaction and Thermal Radiation. International Journal of Engineering Research in Computer Science and Engineering, 7(9), 29-36. **(Peer Reviewed Journal)**
4. Heat and Mass Transfer on Unsteady MHD Free Convection Flow of Chemically Reactive and Radiative Flow Past a Vertical Porous Plate in Slip Flow Regime with Heat Source/Sink and Thermal Diffusion. Page. 109-132, JP Journal of Heat and Mass Transfer, Volume-18, Aug/2019 (**Scopus indexed Journal)**
5. Heat and mass Effects on MHD Free Convective Flow over an accelerated vertical Plate Embedded in a Porous Medium, Page:175-191, Katha Manabi, Issue-VI, Nov/2018. **(Peer Reviewed Journal)**
6. Impact of of Self Help Groups in concern with the Aspects of Socio-Economic Development of Rural Women in Assam with Special Reference to Barpeta District:A Mathematical Study. Page :57-66, Katha Manabi, Issue-V, Nov/2017 **(Peer Reviewed Journal)**

Books and Chapters
1. Relevance of Self-Help Groups in the Socio-Economic Development, Cresent, 2016. ISBN.978-93-85229-37-4
2. Narir Ganit Shikshar Prayojaniata, Prabha,2015. ISBN.978-93-84096-94-6

Edited Book
Matrix, A collection of research papers relating to Mathematics authored by Ex-students of Mathematics Department and faculty of Nalbari College, Nalbari. Mathematics Department, Nalbari College, Nalbari,2017. ISBN. 978-93-85229-38-1