

DR. RABEEAH RAZA

PROFILE

Father Name: Muhammad Raza
Date of Birth: September-16-1991
Nationality: Pakistan
CNIC NO: 37203-9106371-6

CONTACT

PHONE:
0092-335-2666406
WhatsApp: 0092-335-2666406
Address: House # 243, Street 44A,
Margalla Town Phase II, Islamabad.

EMAIL:
rabeeahraza@yahoo.com

Research Gate ID:
<https://www.researchgate.net/profile/Rabeeah-Raza>
Google Scholar ID:
<https://scholar.google.com/citations?hl=en&pli=1&user=ICAolHgAAAAJ>

HOBBIES

Reading Books
Watching videos
Domestics Work

TRAINING, WORKSHOP & CONFERENCES:

Policy Research Methodologies By
AHK-NCRD Islamabad April 15-19, 2024

National faculty development program
by HEC as IPFP fellow 2023

7TH International Conference on
Developments in Fluid Mechanics &

EDUCATION

PhD: Institute of Space Technology Islamabad

2017 - 2022

PhD in (Mathematics) **CGPA 3.78/4.00.**

Scholarship: Indigenous Scholarship from Higher Education Commission of
under Phase-II, Batch-v for Ph.D.

Thesis Title: Non-Newtonian Fluid Flows with Heat and Mass Transfer
Effects-Application to Solar Energy

MS: Comsats Institute of Information Technology Islamabad

2013-1015

MS in (Mathematics) **CGPA 3.68/4.00**, Thesis Title: Comparison between
Analytical Techniques to Solve Fluid Flow Problems

BS: Comsats Institute of Information Technology Islamabad

2009 - 2013

BS Hons (Sociology) **CGPA 2.92/4.00**, Thesis Title: Infinite System of
Equations for Wave Scattering by Submerged Finite Plate.

**Higher Secondary School Certificate (HSSC) Board of Intermediate and
Secondary Education Rawalpindi.**

2007 - 2009

Pre-Engineering (**First Division**)

**Secondary School Certificate (HSSC) Board of Intermediate and
Secondary Education Rawalpindi.**

2005- 2007

Science (**First Division**)

WORK EXPERIENCE

Allama Iqbal Open University Islamabad

Assistant Professor (Department of Mathematics)

29/02/2024-Present

Taught: Linear Algebra, Calculus 1, Ordinary Differential Equations and
Math for Chemist.

Iqra University Islamabad

Assistant Professor (Visiting) (Department of Computer Science)

Fall 2023

Taught: Calculus and differential geometry and Multivariate Calculus.

Academic Journals (Paper Reviewer)

Scientific Reports

RESEARCH EXPERTISE

Publication and Conferences Papers

Environmental Science, 13-15 February
2018 Quaid-i-Azam University &
International Islamic University,
Islamabad, Pakistan.

IWR-CIIT Joint Workshop on Numerical
Solutions of Partial Differential Equations,
“DUNE-PDELab”, 05-09 October 2015,
Comsats University, Islamabad.

INTEREST

Heat and mass transfer analysis of
Newtonian and non-Newtonian fluids
under various geometric assumptions
and flow conditions via CFD, AI or
with different Numerical methods.

SKILLS

Latex
Mathematica
MS Office (Word, Power Point, Excel).

REFERENCES

Dr. Rahila Naz
Associate Professor
Cell No. 03225555719
Email. Eyya1@hotmail.com
Department of Applied Mathematics
& Statistics
Institute of Space Technology,
Islamabad. Pakistan

Dr. Nasir Rehman
Associate Professor
Cell No. +923234219197
Email. Nasir.rehman@aiou.edu.pk
Department of Mathematics
Allama Iqbal Open University,
Islamabad. Pakistan

Dr. Asghar Ali Shah
Associate Professor
Cell No. +923339246924
Beaconhouse International College
Islamabad. Pakistan

Novel nanostructural features of heat and mass transfer of radiative Carreau nanoliquid above an extendable rotating disk. International Journal of Modern Physics B, 2450407. (2024)

Microorganisms swimming through radiative Sutterby nanofluid over stretchable cylinder: Hydrodynamic effect. Numerical Methods for Partial Differential Equations 39 (2), 975-994. (2023)

Scrutiny of Carreau nanoliquid over rotating disk with radiation impacts and the Cattaneo–Christov flux theory. Waves in Random and Complex Media, 1-16. (2022)

Particle and radiative heat transmission in the Sutterby nanoliquid over a curved stretched surface. Waves in Random and Complex Media, 1-19. (2022)

Exploration of Temperature-Dependent Thermal Conductivity and Diffusion Coefficient for Thermal and Mass Transportation in Sutterby Nanofluid Model over a Stretching Cylinder. Complexity 2021 (1), 6252864. (2021)

Thermal transport of radiative Williamson fluid over stretchable curved surface. Thermal Science and Engineering Progress 23, 100887. (2021)

Entropy analysis of non-linear radiative flow of Carreau liquid over a curved stretching sheet. International Communications in Heat and Mass Transfer 119, 104975. (2022)

Analysis of radiative magneto nano pseudo-plastic material over three dimensional nonlinear stretched surface with passive control of mass flux and chemically responsive species. Multidiscipline Modeling in Materials and Structures 16 (5), 1061-1083. (2020).

Application of double diffusion theories to Maxwell nanofluid under the appliance of thermal radiation and gyrotactic microorganism. Multidiscipline Modeling in Materials and Structures 16 (2), 256-280. (2020)