PERSONAL INFORMATION   Atta Ullah Khan

⚲ Village Jalal Pur post office Kalabagh tehsil Isa khel district Mianwali, 42360, Punjab, Pakistan.

📱 +923336823464

✉ attaullahkhan629@gmail.com

Sex: Male | Date of birth 02/04/1994 | Nationality | Pakistani

EDUCATION AND TRAINING ▪

2020-2022	**Master of Science (MS) in Mathematics.**
Institution	COMASTS University Islamabad,Pakistan
	(https://www.comsats.edu.pk)
CGPA	CGPA 3.67/4.0
Thesis Title	**Boundary Layer Flow of Williamson Fluid Over a Stretching Sheet of Variable Thickness**
Thesis Abstract	This thesis explores the boundary layer flow of Williamson fluid ov variable thickness stretching sheet. After modelling and simplifying the governing equations, a similarity transformation converts them into ordinary differential equation For Newtonian fluids, exact solutions are found for various velocity power indice However, exact solutions are not feasible for Williamson fluids. Instead, a nonline stretching velocity is proposed, and numerical solutions are obtained using MATLAB's bvp4c solver. Series solutions are derived using the homotopy analysis method (HAM). The study includes a comparative analysis and graphical representation of key parameters.
2016-2018	**Msc in Mathematics**
Institution	Allama Iqbal Open University Islamabad , Pakistan (www.aiou.edu.pk)
CGPA	3.68 out of 4.0
Thesis Title	Comparative Study of Runge-Kutta and Multistep Methods for ODEs.
Thesis Abstract	This study compares Runge-Kutta and Multistep methods for solving Ordinary Differential Equations (ODEs), focusing on accuracy, stability, and computational efficiency. While Runge-Kutta methods are single-step and versatile, Multistep methods use previous solutions to improve efficiency. Numerical experiments on benchmark ODEs reveal trade-offs in performance, providing insights into selecting the optimal method for specific applications.

Peer-Reviewed Publications

- Attaullah khan ,Rafi Ullah, Usman Abid Butt (2024). "Boundary Layer Flow of Williamson Fluid over a Stretching Sheet of Variable Thickness." manuscript ID is **TMPH-2024-0147** in Molecular Physics Journal.

   Reference: Under Review

- Usman Abid Butt, Arshama Khan, Rafi Ullah, Atta Ullah Khan,(2024)."Peristaltic Flow of Dissipative Nanofluid having Temperature Dependent Viscosi and   Electric Conductivity." Manuscript Number: **MAGMA-D-24-00559** in Journal of Magnetism and Magnetic Materials.
   Reference: Under Review

Work Experience

Designation	Visiting Lecturer
Timeline	10/2022- 4/2023
Organization	THE FEDERAL URDU UNIVERSITY OF ARTS, SCIENCE & TECHNOLOGY, Islamabad, Pakistan
Achievements	As a Visiting Lecturer at The Federal Urdu University of Arts, Science & Technology, Islamabad, I contributed to curriculum development by designing engaging course materials aligned with modern academic standards. I mentored students to enhance their academic performance and guided research projects, fostering critical thinking and innovation. Additionally, I collaborated with faculty to organize workshops and seminars, benefiting both students and peers, while sharing best practices to promote a collegial and dynamic academic environment..

Related Skills

- **MATLAB**
- **Mathematica**
- **Scientific Workplace**
- **Tecplot**
- **Microsoft Off**
- **Python**.

Awards

- Awarded the Laptop for highest achiever in class by Higher Education Commission of Pakistan.

- Merit Scholarship Awarding institution: Allama Iqbal Open University Islamabad, undergraduate program.

Languages

	Reading	Writing	Speaking
English	B2	B2	B2
Urdu(National language),	B2	B2	B2
Saraiki (Mother language),	B2	B2	B2

References

Name: **Dr. Muhammad Qasim**
Associate Professor, Comsats University Islamabad
Phone number: (+92) 3005126594 | Email: mqasim@comsats.edu.pk

- Name: **Dr. Mehmood ul Hassan**
Professor, Comsats University Islamabad
Phone number: (+92) 3005089127 | Email: dr_hassan@comsats.edu.pk

Name: **DR. SAMI ULLAH KHAN**
Associate PROFESSOR, Namal University Mianwali.
Phone number: (+92) 3137141665 | Email: samiullah@namal.edu.pk

SPORTS

- Badminton at university in COMSATS University Islamabad, Pakistan.
- Cricket in Allama Iqbal Open University Islalmabad , Pakistan

VOLUNTEERING

Village Development Organization (Social Welfare Society)
The main purpose is to help the needy in their daily needs and to create
awareness among the youth about the role of education and technology
in the modern era.

[05/04/2015 – Current] Blood donations

People (children) with diseases like thalassemia, sickle cell anaemia, and cancer often
require regular blood transfusions. Supporting Mothers and Babies.
Saving Lives in Emergencie.

CONFERENCES AND SEMINAR

[08/2021] CIMPA School on Advances in Dynamical Systems, Organized by Department of Mathematics, Lahore Campus, Pakistan COMSATS , Lahore Campus, Pakistan.

[31/05/2022] Developments in Applied and Computational Mathematics, Organized by SIAM COMSATS University Islamabad student chapter, Department of Mathematics, COMSATS University Islamabad, Pakistan.