Dr Hadia Tariq

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PROFILE

I am a diligent person and whichever career I am associated with I will work with loyalty. Hence I would like to pursue a career in a growing and dynamic institution/organization, putting my theoretical knowledge into practical form, rendering all possible services in my capacity to the institution/organization, effectively contribute to the optimal growth of the institution/organization and where I can expose my skills and knowledge to face challenges and meet targets. I have excellent communication skills in Urdu, English and am proficient in English writing.

I am a firm believer in punctuality and regular attendance.

ACADEMIC RECORD

PhD Applied Mathematics **November, 2020**
Thesis: **"Study of Peristaltic Transport of Dusty Fluids"**
International Islamic University, Islamabad

M.Phil. Applied Mathematics **May, 2014**
Thesis: **"Solutions of Einstein field Equations with Polytropic Equations of State"**
National University of Sciences & Technology, Islamabad

M.Sc. Mathematics **January, 2004**
Quaid-e-Azam University, Islamabad

B.Sc. (Mathematics A, Mathematics B, Statistics) **August, 2001**
F.G. College for Women F-7/2, Islamabad

Intermediate (Arts) **1997 - 1999**
F.G College for Women F-7/2, Islamabad

Matriculation **1995-1997**
F.G. Model School for girls, F-7/2 Islamabad.

PUBLICATIONS

1. **Peristaltic flow of a dusty electrically conducted fluid through a porous medium in an endoscope** in SN Applied Sciences, 2020.
2. **Peristaltic transport of a second-grade dusty fluid in a tube** in Journal of Mechanical Engineering Research, 11(2), 11 – 25, 2020.
3. **Peristaltic Flow of Second-grade Dusty Fluid through a Porous Medium in an Asymmetric Channel** in Journal of Porous Media. (Published in Journal of Porous Media. **23**(9) 2020).
4. **Theoretical Analysis of Peristaltic Viscous Fluid with Inhomogeneous Dust Particles** in Arabian Journal for Science and Engineering. (Published in *Arab J Sci Eng* (2020). https://doi.org/10.1007/s13369-020-04668-3)

5. **Peristaltically Wavy Motion on Dusty Walter's B Fluid with Inclined Magnetic Field and Heat Transfer** in Arabian Journal for Science and Engineering. (Published in Arabian Journal of Science. **44**: 7799-7808 (2019)).
6. **Influence of wall properties on the peristaltic flow of a dusty Walter's B fluid** in Journal of the Brazilian Society of Mechanical Sciences and Engineering. (Published in Journal of the Brazilian Society of Mechanical Sciences and Engineering **40**(8), 368 (2018)).
7. **Exact Solutions of the Einstein equations with polytropic equations of state** in Canadian Journal of Physics. (Published in Can. J. Phys. **93**: 637–640 (2015)).

CONFERENCES

Recent Developments in Fluid Mechanics & Environmental Sciences. 13 – 15 February 2018.

WORK HISTORY

- **Mathematics Lecturer in National University of Modern Languages (NUML) Islamabad.**

September 2014- Present

- **Visiting Lecturer in International Islamic University, Islamabad.**

September 2014 – June 2015.

- **Subject Specialist (Mathematics) in Hamza Army Public College, Rawalpindi.**

Aug' 05- Oct' 2007

- **Siddiq Public School, Rawalpindi**

April '04 - May'05

ACHIEVEMENTS

Roll of Honor
B.Sc. (F.G. College F-7/2 Islamabad)
Islamabad

Scholarship in Intermediate
Granted by F.B.I.S.E
Islamabad

COMPUTER SKILLS

I am computer literate and I am able to use MS-Office (MS-World, MS-Excel, MS- Power Point, Internet Searching, Skype/Zoom Conferencing, Receiving and Sending emails.

EXTRA CURRICULAR ACTIVITIES

I enjoy doing various activities such as painting & sketching, reading books, listening to folk music & Internet surfing.

LANGUAGE SKILLS

- English.
- Urdu.
- Punjabi

COURSES TAUGHT

- Calculus
- Mechanics
- Introduction to Statistics
- Linear Algebra
- Applied Statistics

REFERENCES

AVAILABLE UPON REQUEST