

CURRICULUM VITAE



MUSAWARA SAFEER

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STATISTICS:

RG Score:	14.2
Citations :	15
Journal Publications:	2
Reads:	126
Recommendations:	8

<https://www.researchgate.net/profile/Musawara-Safeer>

https://scholar.google.com/citations?user=emDzwSgAAAAJ&hl=en&citsig=AMD79opfcvx1nA3RrRca0iYmdlH_x0xPw

OBJECTIVE:

To utilize my technical and interpersonal skills in a highly challenging and competitive environment that offers quality learning experience and professional growth. To join a highly professional team in a dynamic and global organization with challenging work environment to execute my skills.

EDUCATIONAL BACKGROUND:

Master of Science (MS) in Mathematics: February, 2020 — January, 2022

COMSATS University Islamabad, Islamabad Campus, Pakistan

Area of Specialization : Convective heat transfer

Dissertation title: Non Similar Entropy Analysis of Magnetized Nanofluid Models.

Master of Science in Mathematics from the COMSATS University Islamabad in the year of 2022 with an aggregate of **3.93 /4.00CGPA**.

Supervised by Dr. Umer Farooq

Email:

umer_farooq@comsats.edu.pk

https://www.researchgate.net/profile/Umer_Farooq18

<https://scholar.google.com/citations?user=-MKxghwAAAAJ&hl=en>

Bachelor of Science (BS) in Mathematics: February, 2016 —January, 2020

COMSATS University Islamabad, Islamabad Campus, Pakistan

Project title: Survival Analysis Using Cox Proportional Hazard Model.

Bachelor of Science in Mathematics from the COMSATS University Islamabad in the year of 2020 with an aggregate of **3.55 /4.00CGPA**.

Supervised by Dr. Mansoor Shaukat Khan

Email:

mansoorkhan@comsats.edu.pk

Higher Secondary School Certificate (HSSC): 2013 –2015

Punjab College For Women F-828 Satellite Town Rawalpindi.

Board: Rawalpindi

Group: PRE-ENGINEERING

Higher secondary school certificate with Mathematics, Physics and Chemistry from the Rawalpindi board in the year of 2015 with an aggregate of 64.0%.

Secondary School Certificate (SSC): 2011—2013

Al-Ahmed Public Girls Secondary school DK-61/168 Bilal colony Dhoke Kashmirian Rawalpindi

Board: Rawalpindi

Group: science

Secondary School Certificate from the Rawalpindi board in the year of 2013 with an aggregate of 64.0%.

TEACHING EXPERIENCE

- **Visiting Lecturer** (*September 2023 – till date*), Department of Mathematics, COMSATS University Islamabad, Pakistan
- **Visiting Lecturer** (*February 2022 – August 2022*), Department of Mathematics, COMSATS University Islamabad, Pakistan
- **School Teacher** (*January 2017 – December 2021*), Al Habib Public School

COURSES TAUGHT

- Ordinary Differential Equations
- Differential Equations
- Mathematics 1
- Grade 9 and Grade 10 mathematics

COMPUTER SKILLS

- MATLAB
 - LATEX
 - Scientific Work Place
 - Mathematica
 - MS Office
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SKILLS AND ACTIVITIES

Skills : Fluid Mechanics, Numerical Analysis, Computational Fluid Dynamics, Applied Mathematics, Analytical Solutions, Numerical Modeling, Heat Transfer, Differential Equations, Mass Transfer, Fluid Flow, Nanofluids, Convection, Heat & Mass Transfer, , Numerical Simulation, Local nonsimilarity Method, Perturbation Method, Mathematica, Magnetohydrodynamics, Ordinary Differential Equations, Partial Differential Equations, Applied and Computational Mathematics, Modeling and Simulation, Numerics, Engineering Thermodynamics, Finite Difference, Differentiation

JOURNAL PUBLICATIONS

4

1. Jifeng Cui, **Musawara Safeer**, Umer Farooq, Mohammed Elamin Ahmed Rabie, and Taseer Muhammad. Significance of non-similar modeling in the entropy analysis of chemically reactive magnetized flow of nanofluid subjected to thermal radiations and melting heat condition. *AIP Advances*. 11, (2021), 085018. <https://doi.org/10.1063/5.0058491>. Impact factor is **1.624**.
2. Wenhao Cheng, **Musawara Safeer**, Umer Farooq, Shahzad Munir, Jifeng Cui and Chakravarthul S K Raju. Nonsimilar forced convection simulations of water-copper nanofluid flow through a porous medium in the presence of thermal radiations, heat generation and viscous dissipation. *WAVES IN RANDOM AND COMPLEX MEDIA*. (2022). <https://doi.org/10.1080/17455030.2021.2023785>. Impact factor is **4.853**.

HONORS AND AWARDS

- Received Bronze Medal
- Received COMSATS University Islamabad Merit Scholarship In Bachelor of Science In Mathematics.
- Secured First Position in Fifth Semester of Bachelor of Science In Mathematics, COMSATS University Islamabad, Islamabad Campus.
- Secured First Position in Sixth Semester of Bachelor of Science In Mathematics, COMSATS University Islamabad, Islamabad Campus.
- Secured First Position in Seventh Semester of Bachelor of Science In Mathematics, COMSATS University Islamabad, Islamabad Campus.
- Secured First Position in Eight Semester of Bachelor of Science In Mathematics, COMSATS University Islamabad, Islamabad Campus.
- Integration Buzzfeed Competition 2019 Certificate, COMSATS University Islamabad, Islamabad Campus.
- MATH-A-THON Competition 2018 Award, COMSATS University Islamabad, Islamabad Campus.
- Received Game To Gain Winner Award in 2017, COMSATS University Islamabad, Islamabad Campus.
- Received a Certificate in Debate Competition, COMSATS University Islamabad, Islamabad Campus.
- Secured Second Position Award in Cricket.

