

# Fozia Farooq

## OBJECTIVE

I am hard-working, confident, loyal and highly motivated lady. Professionally I am technically proficient, adaptable and able to work independently and as part of a team. I am also interested in research activities in the area of Applied Mathematics, especially in Graph Theory and its implementation in Computational field. I have working in AL-Imam Muhammed Bin Saud Islamic University, Riyadh, KSA as Assistant Professor In Department of Mathematics.

## EDUCATION

- 2002-2004                      **Govt. College University, Lahore**  
M.Sc. — *Mathematics*
- 2005-2010                      **Abdus Salam School Of Mathematical**  
**Sciences, GC University, Lahore**  
**Ph.D.**

## TEACHING EXPERIENCE

- **9 years experience in AL-Imam Muhammed Bin Saud Islamic University, Riyadh, Kingdom of Saudi Arabia. Currently working in same institute.**
- **1 Year and 7 Months experience in Lahore College for Women University, Lahore, Pakistan as an Assistant Professor in department of Mathematics.**

## INTERNATIONAL EXPERIENCE

- Participated in *CIMPA-UNESCO-INDONESIA School on Extremal Problem and Hamiltonicity in Graphs* held on February (2 - 13), 2009.
- Presented a paper in **Workshop on Graph Theory, Combinatorics & Applications, GTCA 2019** held on October 9 to 10, 2019 at UAE."

## RESEARCH PUBLICATIONS

- 1) **On super-vertex-antimagic labelings of disjoint union of paths, AKCE J. Graphs. Combin.,(2009)**
- 2) **On Super d-Antimagic Labelings of Disjoint Union of Prisms, AKCE J. Graphs. Combin., (2009).**
- 3) **Face antimagic labelings of antiprisms** in Utilitas Math, (2011).
- 4) **On Face Antimagic Labelings of Disjoint Union of Prisms** in Utilitas Math, (2011) .
- 5) **On metric dimension of flower graphs  $f_{nxm}$  and**

convex polytopes, Utilitas Math, (2013).

- 6) **Topological Characterization of Nanosheet Covered by C3 and C6 in processes**(2019)
- 7) **Computing Topological Invariants of Triangular Chandelier Lattice** in Computers, Materials & Continua (2020)
- 8) **On certain prime cordial families of graphs**  
Journal of Taibah University for Science (2020)
- 9) **Some inequalities for a new class of convex functions with applications via local fractional integral** in  
Journal of Function Spaces (2021)
- 10) **Impact of non-similar modeling on Darcy-Forchheimer-Brinkman model for forced convection of Casson nano-fluid in non-Darcy porous media** in  
International Communications in Heat and Mass Transfer(2021)
- 11) **Omega, Sadhana, and PI Polynomials of Quasi-Hexagonal Benzenoid Chain** in Journal of analytical methods in chemistry (2020)
- 12) **Impact of non-similar modeling on Darcy-Forchheimer-Brinkman model for forced convection of Casson nano-fluid in non-Darcy porous media**  
International Communications in Heat and Mass Transfer (2021)

## CURRENT RESEARCH

- Working on **Multiple Zagreb index of carbon and boron nanotubes.**

## CERTIFICATES RECEIVED

- **World Conference on 21<sup>st</sup> Century Mathematics**, March 2004, School of Mathematical Sciences (SMS), GCU Lahore.
- **LUMS International Conference on Mathematics and Its Applications in Information Technology**, November 2005, LUMS Lahore.
- **Workshop on Algebra and Graph Theory**, March 2006, Organized by: NCM and SMS, GCU Lahore, Pakistan, University of Bucharest, Romania, University of Dortmund, Germany, Institute of Technology Bandung, Indonesia.
- **3<sup>rd</sup> International Conference on 21<sup>st</sup> Century**

**Mathematics**, March 2007, School of Mathematical Sciences (SMS), GCU Lahore.

- **Pure Mathematics Conference on Algebra, Analysis & Geometry**, August 2007, Quaid-i-Azam University, Islamabad.
- **LUMS 2<sup>nd</sup> International Conference on Mathematics and Its Applications in Information Technology**, March 2008, LUMS, Lahore.
- **UNESCO-CIMPA School, on Discrete and Computational Geometry**, March 2008, ASMS Lahore.
- **4<sup>th</sup> World Conference on 21<sup>st</sup> Century Mathematics**, March 2009, ASMA, Lahore.

## **REFERENCES**

- **Dr. Tahira Buttar**  
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