

EDUCATION: **Government College University Faisalabad**, Faisalabad Pakistan

Received **Ph.D.** and **MPhil** degrees in **Mathematics** under Dr. Muhammad Ahsan Binyamin in 2022.

PhD Dissertation Title: A classifier for Map Germs of Modality ≤ 1

MPhil Dissertation Title: Characterization of Numerical Semigroups Associated to Simple Space Curve Singularity

Received **MSc.** Degree in **Mathematics** with Distinction of Bronze medal in 2015.

POSITIONS: **University of Agriculture Faisalabad**, Faisalabad Pakistan.

Lecturer, August 2024–Present.

Visiting Lecturer, August 2021– Feb 2022.

Government College University Faisalabad, Faisalabad Pakistan.

Visiting Assistant Professor, Jan 2022– July 2024.

Visiting Lecturer, Oct 2017– December 2021.

Government Post Graduate Science College, Faisalabad Pakistan.

Lecturer CTI (College Teaching Interns), Jan 2023–Jun 2022.

University of Education, Faisalabad

Pakistan.

Visiting Lecture, Sep 2017–Feb 2018.

Government Post Graduate College Samanabad, Faisalabad Pakistan.

Lecturer CTI (College Teaching Interns), Sep 2016– Sep 2017.

FAST National University of Computer and Emerging Science, Faisalabad

Pakistan. Visiting Lecturer, Aug 2023– Jan 2024.

AWARDS:

Bronze Medal as a distinction in MSc. Mathematics, GCUF, 2016

Awarded by Laptop through Prime Minister Pakistan Scheme, 2013

CURRENT RESEARCH INTERESTS:

Algebra, Numerical Semigroup and their characterization and Classifications Singularity Theory, Classification and Recognition of Map Germs and Graph Theory.

LIST OF PUBLICATION:

- Recognition of unimodal map germs from the plane to the plane by invariants, *Int. J. Algebra and Computation*, 28(7), (2018), 11991208. I.F, 0.722
- Recognition of contact map germs from the plane to the plane by invariants, *Comptes rendus de l'Académie bulgare des Sciences*, 73 (6), (2020), 167-182. I. F , 0.378
- Contact unimodal map germs from the plane to the plane, *Comptes Rendus. Mathématique*, 358(8), (2020), 441-449. I. F, 0.787
- A classifier for equidimensional contact unimodal map germ, *Bulletin mathématique de la Société des Sciences Mathématiques de Roumanie Tome 64(112), No, 3, 2021, 287- 302. I.F. 0.28.*
- Chracterization of Plane to Plane Map Germs by Invariants
Hacettepe Journal of Mathematics and Statistics, 51 (3) (2022), 743 – 756. I.F, 0.413.
- A charact
- erization and implementation of corank one map germs from 2-space to 3-space in the computer algebra system SINGULAR, *AIMS Mathematics*, Volume, 8(2), 3747- 3762. I.F, 2.67.
- Recognition and Implementation of Contact Simple Map Germs from $(C2,0) \rightarrow (C2,0)$ *Mathematics* 2023, 11(7),1575; <https://doi.org/10.3390/math11071575>.
- Paper ID: ICETEMS-23-071 ON COMPUTATION OF M-POLYNOMIAL AND TOPOLOGICAL INDICES OF MOBIUS OCTAGONAL NETWORKS.

LIST OF CONFERENCES PARTICIPATION

- Advancements In Pure and Applied Organized by Government College Univeristy Faislabad, Pakistan, 24th January, 2017.
- 2017-International Conference on Mathematics and its Applications, Organized by Government College Univeristy Lahore, Pakistan.
- Workshop on Algebraic Geometry and its Applications, Organized by Abdus Salam School of Mathematical Sciences (ASSMS), GC University Lahore, Pakistan, August 27-30, 2018.
- 2018- International Conference on Mathematics and its Applications, Organized by Government College Univeristy Lahore, Pakistan.
- One Day International Seminar on Recent Trends in Pure and Applied Mathematics Organized by Government College Univeristy Faislabad, Pakistan, 9th November, 2019.
- Two day First ICPAM, Organized by Government College Univeristy Faislabad, Pakistan, 19-20 February 2022.

SKILLS

- Latex and Maple
- Computer Algebra System Singular
- Thesis and research experience
- Microsoft Office

REFEREES

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