

Dr. MARIA SHAMS

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OBJECTIVES:

- Seeking an opportunity to enhance my qualification in a reputable institution/organization which provides encouraging and friendly environment to explore my qualification and skills in order to further enhance my capabilities and pursue my career.

QUALIFICATION:

Degree/ Certificate	Subject	Year	Marks Obtained / Total	%age	Division	CGPA	Board/University
PhD	Pure Mathematics	2021-24	480/600	80	First	3.5/4.0	Abdul Wali Khan University Mardan
MPhil	Pure Mathematics	2018-20	822/1000	82.20	First	3.60/4.0	Abdul Wali Khan University Mardan
M.sc	Mathematics	2016-18	1576/2200	72	First	3.08/4.0	Abdul Wali Khan University Mardan
B.sc	Mathematics Math A, Math B, Physics.	2014-16	374/550	68	First	-	The university of SWABI
F.sc	Pre-Engineering	2015	737/1100	67	First	-	Mardan Board
S.S.C	Science	2010-12	737/1050	70.19	First	-	Mardan Board

MAJOR COURSES STUDIED:

- 1) Advanced Group Theory
- 2) Geometric Function Theory
- 3) Semi Group Theory
- 4) Advanced Fuzzy Set Theory
- 5) Computational Method
- 6) Fuzzy Algebra, fuzzy modeling
- 7) Mathematical Statistic
- 8) Fuzzy Decision Support System
- 9) Partial Differential Equation/ Ordinary Differential Equation
- 10) Numerical Analysis
- 11) Calculus /Topology
- 12) Integral Equation
- 13) Linear Algebra
- 14) Optimization Theory
- 15) Ring Theory

LANGUAGES:

English, Urdu, Pashtu.

INTERESTS AND ACTIVITIES:

Books, Research, Internet, Current Affairs, playing Badminton, and Cricket.

PERSONAL SKILLS AND COMPETENCES

- A good book reader and researcher.
- Best oral presentation at workshop.
- Excellent oral presentation at class.
- Fluent in writing and speaking English

**Mathematics Department**

Abdul Wali Khan University, Mardan.

RESEARCH PAPER:**Four Research paper has been published in the international journal cited as below;**

- [1] Almagrabi, A.O., Abdullah, S., **Shams, M.**, Al-Otaibi, Y.D. and Ashraf, S., 2021. A new approach to q-linear Diophantine fuzzy emergency decision support system for COVID19. Journal of Ambient Intelligence and Humanized Computing, pp.1-27.
- [2] **Shams, M.**, Almagrabi, A.O. and Abdullah, S., 2023. Emergency shelter materials under a complex non-linear diophantine fuzzy decision support system. Complex & Intelligent Systems, pp.1-22
- [3] **Shams, M.** and Abdullah, S., 2023. Selection of best industrial waste management technique under complex non-linear Diophantine fuzzy Dombi aggregation operators. Applied Soft Computing, p.110855.
- [4] **Shams, M.**, Abdullah, S., Khan, F., Ali, R. and Muhammad, S., 2024. Fuzzy Decision Support Systems for Selection of NEA Detection Technologies Under Non-Linear Diophantine Fuzzy Hamacher Aggregation Information. IEEE Access, 12, pp.32111-32139.

Four Research paper being submitted to International journal.**MPhil Thesis:**

“GENERALIZATION OF FUZZY AGGREGATION INFORMATION AND THEIR APPLICATION IN DECISION MAKING PROBLEM”

B.Ed Project:

Improving the Non-verbal communication skills of grade 10th at Jinnah school and college.

COMPUTER SKILLS:

Windows 95/98/2000/XP/Vista/7 (Installation, Usage & Trouble Shoot), Microsoft Office XP/2003/2007/2010 (Word, Excel, PowerPoint), Software Installation and Management, Internet Surfing and Usage, Corel Draw Installation and Usage, and Usage, Typing Speed 60 words per minute. Bio Edit, MEGA 5, Analysis through NCBI, Primer 3 & Sequin.

- 1)Microsoft Office 2)Excel 3)Mathematica Matlab 5) Scientific Work Place 6) Maple

Professional Skills:

Degree/Certificate	Obtained/Total Marks	Session	Institute
B.Ed (1.5)	1304/1800	2020	AIOU Islamabad
C.T	607/900	2015	AIOU Islamabad



Mathematics
Department

Abdul Wali Khan
University, Mardan

KEY SKILLS:

- Punctual, Responsible and hard working.
- Can manage critical situations & a Good Team worker.
- Having good public relation & Interpersonal Skills of communication.
- Self-motivated with a desire of continuous learn

PROFESSIONAL EXPERIENCE:

- **Research Assistant at AWKUM under HEC project (HEC/R&D/NRPU/2017/10701); entitled "Fuzzy Mathematical Modelling for Decision Support System and Smart Grid System" (September 2019-to September 2021).**
- **CO-PI (CO PRINCIPAL INVESTIGATOR) Under Ministry of Education KING ABDULAZIZ UNIVERSITY, Deanship of Scientific Research, KINGDOM OF SAUDI ARABIA; entitled "A New Model of Emergency Decision Support System on Environmental Problem of COVID-19 under the q-rung Diophantine fuzzy aggregation Information" www.Kau.edu.sa/dsr (March 2020 to December 2020).**
- **Visiting Lecturer at Govt Girls Degree College Sheikh Maltoon Mardan (from 8 Oct 2020- to March 2021).**
- **Visiting Lecturer at Govt Girls Degree College Sheikh Maltoon Mardan (from 24 Sep 2021 to 04 Feb 2022).**
- **Visiting Lecturer at Govt Girls Degree College Sheikh Maltoon Mardan (from 16 Sep 2022 to 31 January 2023)**
- **Contract based Lecturer at Women University Mardan (8 May 2024 to 8 May 2025).**

Reference:

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Abdul Wali Khan University Mardan,
KPK, Pakistan
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