

## Faculty Resume

Name	<b>DR. ASIA NOUREEN</b>
Personal	<b>Postal Address:</b> Gujarat House Gulbahar Colony Canal Road Islam Bagh Mardan, Pakistan. <a href="mailto:asianourin@gmail.com">asianourin@gmail.com</a>
Experience	<ul style="list-style-type: none"> <li>▪ Currently Working as a Contract lecturer at Women University Mardan (27<sup>th</sup> Oct 2023).</li> <li>▪ Worked as a visiting lecturer at Shaheed Benazir Bhutto Women University, Peshawar (Nov, 2022-Oct, 2023).</li> <li>▪ Worked as a Contract Lecturer at Shaheed Benazir Bhutto Women University, Peshawar (May 2010-June 2019) and as a visiting lecturer (August 2019-September 2021).</li> </ul>
Honors and Awards	<ul style="list-style-type: none"> <li>▪ Secured highest CGPA (4) in M.Phil at SBBWU, Peshawar.</li> <li>▪ Secured 3rd position in MSc at SBBWU, Peshawar.</li> <li>▪ Awarded Haier Core-i5 laptop by PM laptop scheme at the Ph.D. level.</li> <li>▪ Received best teaching performance letter from SBBWU, Peshawar's former vice-chancellor.</li> <li>▪ Received faculty achievement letter of teaching credit hours completion from SBBWU, Peshawar's former vice-chancellor.</li> </ul>
Memberships	<ul style="list-style-type: none"> <li>▪ Teaching, BS-Coordinator, Examination In-charge, Admission committee member at the departmental level.</li> </ul>
Graduate Students Postdocs Undergraduate Students Honors Students	<ul style="list-style-type: none"> <li>▪ <b>Syeda Khushnaseeb (BI-11-07)</b>. A Mathematical Model for the effect of Olanzapine antipsychotic on Serum Prolactin level by using Laplace Transform. (Supervisor, Session 2011-2015) completed.</li> <li>▪ <b>Farah ZiaKat (BI-11-04)</b>. Concentration of Methotrexate (MTX) in Kidney for the treatment of Rheumatoid Arthritis. (Cosupervisor, Session 2011-2015) completed.</li> <li>▪ <b>Nazahat Fatima (BI-11-08)</b>. Investigation of Drug Dissolution Rate of Mits (Meloxicam) By Noyes Whitney Equation and Molecular Docking. (Cosupervisor, Session 2011-2015) completed.</li> </ul>
Service Activity	<i>Shaheed Benazir Bhutto Women University Mardan</i>
Brief Statement of Research Interest	In terms of research, my work has focused on Optimization, where I have made several significant contributions. Optimization is crucial for various scientific and engineering applications, driving the constant search for efficient, robust, and fast algorithms. While many optimization algorithms have been developed and proven effective in various domains, there is a continuous demand to enhance their performance to meet the increasing complexity of modern real-world problems. I am particularly interested in Nature-Inspired Algorithms and Molecular Docking and am eager to continue exploring these topics through collaborative research opportunities. I want to significantly contribute to optimization, potentially affecting fields such as molecular docking, artificial intelligence, machine learning,

	and engineering, where problem-solving efficacy is paramount. Moreover, I am committed to fostering a collaborative research environment and actively engaging in the university's educational goals by advising and assisting students in this captivating discipline.
Publications	<ul style="list-style-type: none"> <li>▪ Noreen, W. K. Mashwani, R. Bilal, M. Sagheer, H. Shah, and S. Hussain, "An Advanced Amalgam of Nature-Inspired Algorithms for Global Optimization Problems," Math. Probl. Eng., vol. 2022, pp. 1–18, 2022.</li> <li>▪ A. Noreen, W. K. Mashwani, F. Rehman, M. Sagheer, H. Shah, and M. Asim, "Constrained optimization based on hybrid version of superiority" Soft Computing (FOCUS), vol. 2022, pp. 8117–8132.</li> </ul>
Research Grants and Contracts.	Nil
Other Research or Creative Accomplishments	Nil
Selected Professional Presentations.	