**DR MUHAMMAD SAEED**
(PhD in Mathematics/Laskerian rings)

**RESEARCH AREAS**

1. Commutative Algebra
2. Ring Theory
3. Fuzzy Mathematics, and its applications
4. Soft set and its applications in artificial intelligence, decision making
5. Optimization

**LIST OF MAJOR PUBLICATIONS**

1. Ali J.1, M.Saeed1, N. A. Chaudhry2 M.F.Tabassum1\*, “NEW MATHEMATICAL MODELS OF N-QUEENS PROBLEM AND ITS SOLUTION BY A DERIVATIVE-FREE METHOD OF OPTIMIZATION” Sci.Int.(Lahore),27(3), 2005-2008, 2015
2. M.F.Tabassum1\*, M.Saeed1 , Nazir Ahmad2, A.Sana3,“ SOLUTION OF WAR PLANNING PROBLEM USING DERIVATIVE FREE METHODS**”** Sci.Int.(Lahore), 27(1), 395 - 398, 2015.
3. Sana. A.1, N. A. Chaudhry2, M.Saeed3, M. F. Tabassum3, ADOMIAN DECOMPOSITION METHOD WITH NEUMANN BOUNDARY CONDITIONS FOR SOLUTION OF NONLINEAR BOUNDARY VALUE PROBLEM”, Sci.Int.(Lahore),27(1), 383-388, 2015
4. Tariq Shah and Muhammad Saeed, FUZZY IDEALS IN LASKERIAN RINGS” MATEMATIQKI VESNIK,65, 1 (2013), 74–81.
5. T. Shah and M. Saeed, “On Fuzzy Ideals in Rings and Anti-homomorphism”
6. International Mathematical Forum, Vol. 7, 2012, no. 16, 753 – 759.
7. T. Shah and M. Saeed\* , A Note on Laskerian Rings, Proceedings of the Pakistan Academy of Sciences, 48 (1): 45–49, 2011.
8. T. Shah and M. Saeed, “A NON-NOETHERIAN LASKERIAN DOMAIN IN WHICH

EVERY PRIMARY IDEAL IS A VLUATION IDEAL” International Electronic Journal of Pure and Applied Mathematics, Volume 2 No. 4 2010, 211-217.