

MR. NAVEED YAQOOB

Lecturer
Mathematics Department
Faculty of Science, Zulfi
Majmaah University

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Research Interests:

Semigroups (Γ -semigroups, Ordered Semigroups, Ternary Semigroups)
Algebraic Hyperstructure Theory (Semihypergroups, Ternary Semihypergroups, Γ -semihypergroups, LA-semihypergroups)
Fuzzy sets, Rough sets and Soft sets

Language Skills

Urdu, English

Qualification (University Education)

2002-2005	B.Sc. Degree (Mathematics)	University of the Punjab, Lahore, Pakistan.
2005-2008	M.Sc. Degree (Mathematics)	University of the Punjab, Lahore, Pakistan.
2009-2010	MS Degree (Mathematics)	Quaid-i-Azam University, Islamabad, Pakistan.

Career

Feb 2014 – Continue	Department of Mathematics, College of Science in Al-Zulfi, Majmaah University, Al-Zulfi, Saudi Arabia.
Sep 2013 – Dec 2013	Department of Mathematics, COMSATS Institute of Information Technology, Abbottabad, Pakistan.
Nov 2008 – Oct 2013	Department of Mathematics, PACE College, Saddar, Rawalpindi, Pakistan.
Sep 2006 – Aug 2008	Department of Mathematics, BROODS Academy, Rawalpindi, Pakistan.

Publications

- N. Yaqoob and M. Aslam, Generalized Rough Approximations in Γ -semihypergroups, Journal of Intelligent and Fuzzy Systems, accepted, doi: 10.3233/IFS-141214.
- N. Yaqoob and M. Aslam, On rough Quasi- Γ -hyperideals in Γ -semihypergroups, Afrika Matematika, accepted, doi: 10.1007/s13370-013-0207-x.
- N. Yaqoob and M. Aslam, Prime (m,n) bi- Γ -hyperideals in Γ -semihypergroups, Applied Mathematics and Information Sciences, 8(5) (2014) 2243-2249.
- M. Khan, T. Aziz and N. Yaqoob, Generalized interval-valued fuzzy right ideals of Abel Grassmann's groupoids, Analele Universității din Oradea - Fascicula Matematică, 21(1) (2014) 153-160.
- M. Akram, N. Yaqoob and J. Kavikumar, Interval valued $(\tilde{\theta}, \tilde{\delta})$ -fuzzy KU-ideals of KU-algebras, International Journal of Pure and Applied Mathematics, 92(3) (2014) 335-349.
- Faisal, N. Yaqoob and A. Ghareeb, Left regular AG-groupoids in terms of fuzzy interior ideals, Afrika Matematika, 24(4) (2013) 577-587.
- N. Yaqoob, Interval-valued intuitionistic fuzzy ideals of regular LA-semigroups, Thai Journal of Mathematics, 11(3) (2013) 683-695.
- N. Yaqoob, M. Khan, M. Akram and A. Khan, Interval valued intuitionistic (\bar{S}, \bar{T}) -fuzzy ideals of

- ternary semigroups, *Indian Journal of Science and Technology*, 6(11) (2013) 5418–5428.
- N. Yaqoob, P. Corsini and F. Yousafzai, On intra-regular left almost semihypergroups with pure left identity, *Journal of Mathematics*, (2013) Article ID 510790, 10 pages.
- N. Yaqoob and M.A. Ansari, Bipolar (λ, δ) -fuzzy ideals in ternary semigroups, *International Journal of Mathematical Analysis*, 7(36) (2013) 1775-1782.
- N. Yaqoob, R. Chinram, A. Ghareeb and M. Aslam, Left almost semigroups characterized by their interval valued fuzzy ideals, *Afrika Matematika*, 24(2) (2013) 231-245.
- N. Yaqoob, M. Akram and M. Aslam, Intuitionistic fuzzy soft groups induced by (t,s)-norm, *Indian Journal of Science and Technology*, 6(4) (2013) 4282-4289.
- M. Akram and N. Yaqoob, Intuitionistic fuzzy soft ordered ternary semigroups, *International Journal of Pure and Applied Mathematics*, 84(2) (2013) 93-107.
- M. Akram, N. Yaqoob and M. Khan, On (m,n)-ideals in LA-semigroups, *Applied Mathematical Sciences*, 7(44) (2013) 2187-2191.
- N. Yaqoob, S.M. Mostafa and M.A. Ansari, On cubic KU-ideals of KU-algebras, *ISRN Algebra*, (2013) Article ID 935905, 10 pages.
- N. Yaqoob, M. Aslam, B. Davvaz and A.B. Saeid, On rough (m,n) bi- Γ -hyperideals in Γ -semihypergroups, *UPB Scientific Bulletin, Series A: Applied Mathematics and Physics*, 75(1) (2013) 119-128.
- M. Aslam, T. Aroob and N. Yaqoob, On cubic Γ -hyperideals in left almost Γ -semihypergroups, *Annals of Fuzzy Mathematics and Informatics*, 5(1) (2013) 169-182.
- F. Yousafzai, N. Yaqoob, S. Haq and R. Manzoor, A note on intuitionistic fuzzy Γ -LA-semigroups, *World Applied Sciences Journal*, 19(12) (2012) 1710-1720.
- Faisal, N. Yaqoob and A.B. Saeid, Some results in bipolar-valued fuzzy ordered AG-groupoids, *Discussiones Mathematicae - General Algebra and Applications*, 32 (2012) 55-76.
- N. Yaqoob, S. Abdullah, N. Rehman and M. Naem, Roughness and fuzziness in ordered ternary semigroups, *World Applied Sciences Journal*, 17(12) (2012) 1683-1693.
- N. Yaqoob, Applications of rough sets to Γ -hyperideals in left almost Γ -semihypergroups, *Neural Computing and Applications*, 21(1) (2012) 267-273.
- M. Aslam, S. Abdullah, B. Davvaz and N. Yaqoob, Rough M-hypersystems and fuzzy M-hypersystems in Γ -semihypergroups, *Neural Computing and Applications*, 21(1) (2012) 281-287.
- N. Yaqoob, M. Aslam and M.A. Ansari, Structures of N- Γ -hyperideals in left almost Γ -semihypergroups, *World Applied Sciences Journal*, 17(12) (2012) 1611-1617.
- N. Yaqoob, M. Aslam and K. Hila, Rough fuzzy hyperideals in ternary semihypergroups, *Advances in Fuzzy Systems*, (2012) Article ID 595687, 9 pages.
- Faisal, N. Yaqoob and R. Chinram, A note on $(\in, \in \vee q_k)$ -fuzzy Γ -ideals of Γ -semigroups, *Applied Mathematical Sciences*, 6(101) (2012) 5013-5028.
- N. Yaqoob, Rough approximations in left almost groups, *International Journal of Algebra and Statistics*, 1(1) (2012) 100-109.
- Faisal, N. Yaqoob and K. Hila, On fuzzy (2,2)-regular ordered Γ -AG**-groupoids, *UPB Scientific Bulletin, Series A: Applied Mathematics and Physics*, 74(2) (2012) 87-104.
- N. Yaqoob, M. Aslam and Faisal, On soft Γ -hyperideals over left almost Γ -semihypergroups, *Journal of Advanced Research in Dynamical and Control Systems*, 4(1) (2012) 1-12.
- N. Yaqoob and R. Chinram, On prime (m,n) bi-ideals and rough prime (m,n) bi-ideals in semigroups, *Far East Journal of Mathematical Sciences*, 62(2) (2012) 145-159.
- N. Yaqoob, M. Aslam and R. Chinram, Rough prime bi-ideals and rough fuzzy prime bi-ideals in semigroups, *Annals of Fuzzy Mathematics and Informatics*, 3(2) (2012) 203-211.
- N. Yaqoob, Bipolar-valued fuzzy ideals in LA-semigroups, *Journal of Advanced Studies in Topology*, 3(1) (2012) 60-71.
- M. Aslam, M. Shabir, N. Yaqoob and A. Shabir, On rough (m,n)-bi-ideals and generalized rough (m,n)-bi-ideals in semigroups, *Annals of Fuzzy Mathematics and Informatics*, 2(2) (2011) 141-150.

Teaching Experience

Linear Algebra	Math – 242	College of Science, Zulfi COMSATS	Majmaah University CIIT Abbottabad, Pakistan
Calculus and Functions of Several Variables	Math – 203	College of Science, Zulfi	Majmaah University

Calculus-1	Math	COMSATS	CIIT Abbottabad, Pakistan
Geometry	Math – 216	College of Science, Zulfi	Majmaah University
Calculus with Analytic Geometry	Math – B.Sc	PACE College	Pakistan
Mathematical Methods	Math – B.Sc	PACE College	Pakistan
Topology	Math – B.Sc	PACE College	Pakistan
Mechanics	Math – B.Sc	PACE College	Pakistan
Vectors Analysis	Math – B.Sc	PACE College	Pakistan

Conferences

10 th International Pure Mathematics Conference	Islamabad, Pakistan	2009
International Conference on Mathematical Inequalities and Applications	Lahore, Pakistan	2010
2nd International Conference on Mathematics and Information Science	Sohag University, Egypt	2011

Practical Skills

Windows and MS Office
LaTeX Writing

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