

PUBLICATIONS

2017

1. I. Gambo, N. H. Sarmin, **H. Khan** and F. M. Khan. New Type of Fuzzy Generalized Bi Gamma Ideals in Ordered Gamma Semigroup. Jurnal Teknologi. In press 2017.
2. I. Gambo, N. H. Sarmin, **H. Khan** and F. M. Khan. On The Characterization of Bi Gamma Ideals of the type $(\epsilon, \epsilon \vee q_k)$ in Gamma Ordered Semigroups. 4th Biennial International Group Theory Conference 2017 (4BIGTC2017) Universiti Teknologi Malaysia, Kuala Lumpur, Malaysia. January 23-26, 2017.
3. I. Gambo, N. H. Sarmin, **H. Khan** and F. M. Khan. The Characterization of Regular Ordered Γ -Semigroups In terms of $(\epsilon, \epsilon \vee q_k)$ -Fuzzy Γ -Ideals. 5th International Science Postgraduate Conference 2017 (ISPC 2017). (**ACCEPTED**).

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4. **H. Khan**, N. H. Sarmin. A. Khan and F. M. Khan. Bi-ideals of ordered semigroup based on the interval-valued fuzzy points. Jurnal Teknologi. Vol. 78. Issue 2, page 179-191, (2016).
5. **H. Khan**, N. H. Sarmin. A. Khan and F. M. Khan. New generalization of interval-valued fuzzy filters of ordered semigroups. Sindh University Research Journal. Vol. 48 (2) 383-388 (2016).
6. R. Khan, A. Khan and **H. Khan**. Uni-soft filters of ordered semigroups. Sindh University Research Journal. Vol. 48 (4) 859-864 (2016).
7. **H. Khan**, N. H. Sarmin, A. Khan and F. M. Khan. Classification of Ordered Semigroups in terms of Generalised Interval-valued Fuzzy Interior Ideals. Journal of Intelligent Systems. DOI 10.1515/jisys-2015-0035. (2016).
8. **H. Khan**, A. Khan, and N. H. Sarmin. Cartesian Product of Interval-Valued Fuzzy Ideals In Ordered Semigroup. Journal of Prime Research in Mathematics. Vol. 12(2016), 120-129.
9. I. Gambo, N. H. Sarmin, **H. Khan** and F. M. Khan. $(\epsilon, \epsilon \vee q_k)$ -FUZZY GENERALIZED BI Γ -IDEALS IN ORDERED Γ -SEMIGROUP. 6th International Graduate Conference on Engineering, Science & Humanities 2016. Proceedings: Page: 319-322.

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10. **H. Khan**, N. H. Sarmin, A. Khan and F. M. Khan. A new interpretation of interval-valued fuzzy interior ideals of ordered semigroups. Science international Lahore. Vol. 27. Iss. 1 Page: 29-37 (2015).
11. F. M. Khan, N. H. Sarmin, Asghar Khan and **H. Khan**. Some Innovative Types of Fuzzy Bi-Ideals in Ordered Semigroups. Journal of Advanced Mathematics and Applications. Vol. 4 (1): 24–36 (2015).
12. **H. Khan**, N. H. Sarmin, A. Khan and F. M. Khan. Some charecterisations of semigroups in terms of generalised intuitionistic fuzzy interior ideals. Journal of Prime Research in Mathematics. Vol. 10. Pages: 19-36 (2015).

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13. F. M. Khan, N. H. Sarmin and **H. Khan**. A novel approach toward fuzzy generalized bi-ideals in ordered semigroups. Scientific World Journal. Volume 2014, Article ID 275947, 9 pages <http://dx.doi.org/10.1155/2014/275947>.
14. **H. Khan**, N. H. Sarmin, A. Khan and F. M. Khan. A new pattern of interval-valued fuzzy interior ideals in semigroups. Science international Lahore. Vol. 26. Iss. 2 Page: 527-535 (2014).
15. **H. Khan**, N. H. Sarmin and A. Khan. A New form of fuzzy generalized bi-ideals in ordered semigroups. The Honam Mathematical Journal. Vol. 36. Iss. 3 Pages: 569-596 (2014).
16. **H. Khan**, N. H. Sarmin, A. Khan and F. M. Khan. New Interpretation of Interior Ideals Of Ordered Semigroups. 2nd International Science Postgraduate Conference 2014. March 10-12, 2014. Proceedings: Page: 677-691.

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17. B. Davvaz, A. Khan, N. H. Sarmin and **H. Khan**. More general forms of interval valued fuzzy filters of ordered semigroups. International Journal of Fuzzy Systems. **15 (2): 110-126**, 2013.

18. A. Khan, B. Davvaz, N. H. Sarmin and **H. Khan**. Redefined intuitionistic fuzzy bi-ideals of ordered semigroups. *Journal of Inequalities and Applications*. doi:10.1186/1029-242X-2013-397.
19. A. Khan, Y. B. Jun, N. H. Sarmin and **H. Khan**. Interval-valued fuzzy generalized bi-ideals of ordered semigroups redefine. *World Applied Sciences Journal*. Vol. 27 Issue 12. Page: 1737-1751 (2013).
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22. **H. Khan**, N. H. Sarmin, A. Khan and F. M. Khan. Generalized intuitionistic fuzzy interior ideals of semigroups. *International Conference on Soft Computing and Computational Mathematics* July, 2013. Kuala Lumpur Malaysia. July 4, 2013.