

Publications 2020-2021

1. Satish, D. Madhusudhana Rao, M. Vasantha, K. Praveen Kumar, Fuzzy Soft Ternary Γ -Semirings-III, Mukta Shabd Journal Volume IX, Issue IV, APRIL/2020 ISSN NO : 2347-3150. Pp: 2396-2406.
2. T. Satish, D. Madhusudhana Rao, K. Praveen Kumar, M. Sajani Lavanya, Fuzzy Soft Ternary Γ -Semirings-IV, Mukta Shabd Journal Volume IX, Issue IV, APRIL/2020 ISSN NO : 2347-3150. Pp: 2550-2560.
3. G.Srinivasa Rao, k.Mahalakshmi, P.Siva Prasad, D.Madhusudhana Rao, N.Srinivasa Rao, Ternary Semi Unit Graphs of Commutative Ternary Semirings, TEST Engineering & Management, March - April 2020 ISSN: 0193-4120 Page No. 18254 – 18263.
4. P. Siva Prasad , G. Srinivasa Rao, D. Madhusudhana Rao, K. Revathi, Semi Space Homomorphism in Γ - Semi Groups, International Journal of Advanced Science and Technology Vol. 29, No. 6, (2020), pp. 5262 – 5265.
5. Dr A Gangadhar Rao's research article on "FUZZY REGULAR SUBSEMIGROUPS OF PARTIALLY ORDERED Γ - SEMIGROUPS" was published in October 20 in the International Journal of Advanced Research in Engineering and Technology (IJARET) Volume 11, Issue 10, October 2020, pp.28-35, Article ID: IJARET_11_10_003 Available online at <http://www.iaeme.com/IJARET/issues.asp?JType=IJARET&VType=11&IType=10> ISSN Print: 0976-6480 and ISSN Online: 0976-6499 DOI: 10.34218/IJARET.11.10.2020.003
6. Dr A Gangadhar Rao's research article on "Results On Generalized Regular And Strongly Regular Near-Rings" was published in Turkish Journal of Computer and Mathematics Education Vol.12 No. 5 (2021), 846-851.
7. Dr A Gangadhar Rao's research article on f-Primary Ideals in Semigroup was published in April 2021 in Turkish Journal of Computer and Mathematics Education Vol.12 No. 5 (2021), 857-86.
8. Dr A Gangadhar Rao,s research article on" Fuzzy Simple Partially Ordered Γ -Semigroups" was published in Turkish Journal of Computer and Mathematics Education Vol.12 No. 5 (2021), 842-845 A. Nagamalleswara Rao, L. N. P. Varma, G. Srinivasa Rao, D. Madhusudhana Rao, and Ch. Ramprasad- Bi-Interior Ideals In TGSR, Advances in Mathematics: Scientific Journal, 10 (2021), no.3, 1183–1195. <https://doi.org/10.37418/amsj.10.3.8>
9. A. Nagamalleswara Rao, P. L. N. Varma, G. Srinivasa Rao, D. Madhusudhana Rao and Ch.Ramprasad- Prime bi-interior G-ideals of TG-semiring, Malaya Journal of Matematik, Vol. 9, No. 1, 542-546, 2021. <https://doi.org/10.26637/MJM0901/0091>
- 10 P.Siva Prasad1, K.Revathi, K.V.Ranga Rao, D.Madhusudana Rao and Y. HariKrishna Some Notions of Regular Fuzzy Graph of Ternary Semigroups, Annals of .B., ISSN:1583-6258, Vol. 25, Issue 4, 2021, Pages. 9375 – 9384. <http://annalsofrscb.ro>.
11. T. Anuradha, D. Madhusudhana Rao, V. Lakshmi Prasannam, P.Siva Prasad Structure Of Regular And Idempotent Ternary Semi Hyper Rings, Turkish Journal of Physiotherapy

and Rehabilitation; 32(3) ISSN 2651-4451 | e-ISSN 2651-446X, pp: 10266-10270.
www.turkjphysiotherrehabil.org

12. K. Lingewara Rao,, P. Siva Prasad, D. Madhusudhana Rao, K. Ravathi- On Hyperfilters in Ternary Semihyperring, Turkish Journal of Physiotherapy and Rehabilitation; 32(3) ISSN 2651-4451 | e-ISSN 2651-446X, pp: 10271-10275. www.turkjphysiotherrehabil.org

13. K. Praveen Kumar. P. Siva Prasad, D. Madhusudana Rao, T.Satish- Congruence on Ternary Gamma Semirings-III, Turkish Journal of Physiotherapy and Rehabilitation; 32(3) ISSN 2651-4451 | e-ISSN 2651-446X, pp: 10276-10283. www.turkjphysiotherrehabil.org

14. K. Maha lakshmi, P. Siva Prasad, D. Madhusudana Rao- Fuzzy Ternary Gamma Superrings, Turkish Journal of Physiotherapy and Rehabilitation; 32(3) ISSN 2651- Semi Superrings, Turkish Journal of Physiotherapy and Rehabilitation; 32(3) ISSN 2651-4451 e-ISSN 2651-446X, pp: 10284-10290. www.turkjphysiotherrehabil.org

15. P. Bindhu, Y. Sarala, D. Madhusudhana Rao and T. Srinivasa Rao-Weakly Prime Ideals in Ternary Semigroups, Communicated to International Journal of Pure and Applied Mathematics (Manuscript ID: 3737).

16. K. Anuradha, D. Madhusudhana Rao, M. Vasantha and T. Satish-Structure of Trio Ternary Semirings, Communicated to International Journal of Pure and Applied Mathematics(Manuscript ID: 3801).

17. P. Siva Prasad, G. Srinivasa Rao and D. Madhusudhana Rao- *Completely Prime, Prime, Completely Semiprime, Semiprime* PO-ternary Ideals in PO-Ternary Semirings-Communicated to Indian Journal of Science and Technology.

18. P. Bindu. Y. Sarala, D. Madhusudhana Rao-Complete Two Sided Ideals in Ternary Semigroups, accepted for publication in International Journal of Pure and Applied Mathematics (Manuscript ID: AP2016-31-211).

19. Dr.M.Sulochana of the Department of Chemistry published a paper entitledEnvironmental education is a Fundamental Tool: Covid 19 Pandemic in the Journal “Global Environmental Governance, Policies and Ethics 11 ISBN No:978-93-5419-920-2.

20. Dr.M.Sulochana of the Department of Chemistry published a paper entitled Controlled Synthesis of BaCO₃ Microstructures Using Various Natural Gums -A Biomimetic Approach’ in theInternational Journal for Innovative Engineering and Management Research (IJIEMR), Vol 09 Issue12, Dec 2020ISSN 2456 – 5083 Page 453.