

1. Santhanalakshmi, K., N. Neelakandeswari, Gomathi Thandapani, N. Mohanapriya, and M. Vinoth. "Synthesis and characterization of Nickel Aluminate-innovative a green path with solid acid catalyst for solvent free acylation reaction." In 2024 Third International Conference on Smart Technologies and Systems for Next Generation Computing (ICSTSN), pp. 1-6. IEEE, (2024).
DOI: 10.1109/ICSTSN61422.2024.10670850
2. Gomathi, Thandapani, J. Stephy John, S. Ginil Mon, Mohammed Mujahid Alam, Mohammed Amanullah, J. John Joseph, K. Santhanalakshmi, and Sekar Vijayakumar. "Chitosan/Histidine nanoparticles for controlled curcumin delivery: A potential strategy in anticancer treatment." *Inorganic Chemistry Communications* 164 (2024): 112448. <https://doi.org/10.1016/j.inoche.2024.112448>
3. Gomathi, Thandapani, K. Santhanalakshmi, A. K. Monika, J. John Joseph, Mohammad Khalid, Ghadah Shukri Albakri, Krishna Kumar Yadav, K. Shoba, Esteban F. Durán-Lara, and Sekar Vijayakumar. "Chitosan-lysine nanoparticles for sustained delivery of capecitabine: Formulation, characterization, and evaluation of anticancer and antifungal properties with molecular docking insights on anti-inflammatory potential." *Inorganic Chemistry Communications* 167 (2024): 112797. <https://doi.org/10.1016/j.inoche.2024.112797>
4. Thandapani, Gomathi, K. Arthi, P. Pazhanisamy, Joseph J. John, C. Vinothini, V. Rekha, K. Santhanalakshmi, and Vijayakumar Sekar. "Green synthesis of copper oxide nanoparticles using Spinacia oleracea leaf extract and evaluation of biological applications: Antioxidant, antibacterial, larvicidal and biosafety assay." *Materials Today Communications* 34 (2023): 105248. <https://doi.org/10.1016/j.mtcomm.2022.105248>
5. Sasirekha, R., G. Sivasankari, S. Gunasekaran, N. Manimaran, K. Santhanalakshmi, and Thandapani Gomathi. "Biosorption studies on the removal of heavy metals Copper and Chromium using chitosan nanoparticles based biocomposite." *Eur. Chem. Bull.* 12 (2023): 1173-1203.D.O.I 10.48047/ecb/2023.12.si8.090
6. Devi, A., G. Kavya, K. Santhanalakshmi, and B. Senthilnayaki. "ICT Assesment Techniques and Tools for Screening Specific Learning Disabilities." In 2022 5th International Conference on Advances in Science and Technology (ICAST), pp. 174-179. IEEE, 2022.
7. Santhanalakshmi, K., N. Neelakandeswari, P. Jacqueline Rosy, and K. Margandan. "An In Vitro Evaluation of Anti-Inflammatory Activity of Newly Synthesized 1,3,4 Oxadiazole Derivatives" in "International Journal of Zoological Investigations." Vol. 8, No. 2, 755-764,2022
8. Margandan, Karunanithi, Santhanalakshmi K., Jebastin Sonia Jas M., and Rachna Agarwal. "Impact of COVID-19 Coronavirus Pandemic: A Review." *International Journal of Zoological Investigations* 8, no. 2 (2022): 784-787.

9. Rosy, Jacquline P., Jebastin Sonia Jas M., Santhanalakshmi K., Venkat Kumar Shanmugam, and Prabhakaran A. "Identification of Potential Inhibitor Targeting InhA, Molecular Docking, ADMET, Molecular Dynamic Simulation and Antibacterial Activity of Thiazolidinone Derivatives: A Computational Approach." *International Journal of Zoological Investigations* 8, Special Issue (2022): 191-202.
10. Santhanalakshmi, K., Gomathi Thandapani, K. Margandan, and N. Neelakandeswari. "Larvicidal activity of 1, 3, 4-oxadiazole analogues and their Molecular Docking Studies." In 2022 International Conference on Smart Technologies and Systems for Next Generation Computing (ICSTSN), pp. 1-6. IEEE, 2022.
DOI: 10.1109/ICSTSN53084.2022.9761366
11. Santhanalakshmi, K., Karunanithi Margandan, P. Manivannan, and Jacquline Rosy P. "Pharmacological Significance of Oxadiazole Scaffold." *Research Journal of Chemistry and Environment* 25, no. 8 (2021): 177–188.
12. Rosy, P. Jacquline, M. Jebastin Sonia Jas, K. Santhanalakshmi, M. Murugan, and P. Manivannan. "Expert development of Hetero structured TiS₂–TiO₂ nanocomposites and evaluation of electron acceptors effect on the photo catalytic degradation of organic Pollutants under UV-light." *Journal of Materials Science: Materials in Electronics* 32, no. 4 (2021): 4053-4066. <https://doi.org/10.1007/s10854-020-05147-z>
13. Santhanalakshmi, K., Karunanithi Margandan, Jacquline Rosy P., and P. Manivannan. "An Overview of Triazole Scaffold: Synthesis and Pharmacological Significance (2010-2020)." *European Journal of Molecular & Clinical Medicine* 7, no. 3 (2020): 5580-5590.
14. Santhanalakshmi, K., Jacquline Rosy, P., and Muthukumar, S. 2020. "Comprehensive Review on Synthesis and Pharmaceutical Applications of Substituted 1,3,4-Oxadiazole." *Research Journal of Chemistry and Environment* 24 (9). E-ISSN No. 2278-4527; PRINT-ISSN No. 0972-0626.
15. Jacquline Rosy, P., K. Santhanalakshmi, and Muthukumar, S. 2020. "Green Synthesis, Biological Evaluation and Density Functional Theory Calculations of Thiazolidine Derivatives—A Review." *Asian Journal of Pharmaceutical and Clinical Research* 13 (1). E-ISSN No. 2455-3891; PRINT-ISSN No. 0974-2441.
16. Muthukumar Sampath Kumar, K. Santhanalakshmi, Jacquline Rosy P., and Kalyanasundharam S. 2019. "Green Synthesis, Characterization and Catalytic Applications of Zinc Oxide Nanoparticles." *Research Journal of Chemistry and Environment* 23 (6) (June). E-ISSN No. 2278-4527; PRINT-ISSN No. 0972-0626.
17. *Santhanalakshmi K , Kalyanasundharam, Muthukumar and Jacquline Rosy P"* Antibacterial activity of 1, 3, 4- oxadiazole derivatives and inhibition against β -ketoacyl-ACP synthase" in IJASRM, 3 , 9 (2018)

18. Santhanalakshmi K, Dr. Kalyanasundharam ,S. Muthukumar S, Jacquline Rosy P, Dr.Palanisamy "Synthesis characterization and in-silico screening of 1,3,4-oxadiazole derivatives for antibacterial activity" Journal of Applied Science and Computation (JASC) 5, 8, August (2018) DOI:16.10089.JASC.2018.V5I8.453459.14517
19. K. Santhanalakshmi, S. Kalyanasundaram, P. Jacquline Rosy, S. Muthukumar, "synthesis, characterization, antibacterial and insilico molecular docking studies of 2,5-disubstituted-1,3,4-oxadiazole derivatives" International Journal of Current Engineering and Scientific Research (IJCESR), 4, 11 (2017)
20. K. Santhanalakshmi , S. Kalyanasundharam , S. Muthukumar, P. Jacquline Rosy "Synthesis, characterization and evaluation of mosquito larvicidal effect of 1,3,4-oxadiazole derivatives against Culexquinquefasciatus" by in World news of natural Sciences WNOFNS 19 (2018) page number : 58-64
21. S. Muthukumar, S. Kalyanasundharam, K. Santhanalakshmi, P. Jacquline Rosy."Biosynthesis, Characterization of TiO_2 Nanoparticles by Using Solanum Xanthocarpum Berry Extract and Their Biomedical and Photocatalytic Activity", International Journal for Research in Applied Science and Engineering Technology (IJRASET) Volume 5, Issue XIIIPage No: 738-746, ISSN : 2321-9653,
22. Muthukumar, Surya, Sundararajan Kalyanasundaram, K. N. Santhanalakshmi and P JacqulineRosy. "Highly Efficient Recyclable ZnO Nanoparticles Catalyst Bio-Derived from Solanum xanthocarpum Berry Extract for the Synthesis of some Schiff Base Derivatives." International Journal of Current Engineering and Scientific Research (IJCESR) 4 (2017): 111 to 119
23. Jacquline Rosy, S. Kalyanasundaram, K. Santhanalakshmi, and S. Muthukumar. 2017. "Microwave Synthesis, Spectroscopic Characterization and DFT Investigation of 4-(4-(2-(4-Substituted Phenyl)-4-Oxothiazolidin-3-Yl)benzyl)oxazolidin-2-One Derivatives." World Scientific News 69: 122–142. E-ISSN 2392-2192.
24. **Moorthiraman Murugan**, Krishnamoorthy Sivakumar & Rajaram Rajamohan ,A study of host-guest complexation between amodiaquine and native cyclodextrin. Characterization in solid state and its in-vitro anticancer activity. Journal of Macromolecular Science Part-A, 53, 06 Apr 2016282-289, <https://doi.org/10.1080/10601325.2016.1151646>.
25. **M. Murugan**, A. Anitha, K. Sivakumar & R. Rajamohan, Supramolecular interaction of primaquine with native β -cyclodextrin, Journal of Solution Chemistry, 47, 22 May 2018 906-929, 10.1007/s10953-018-0768-2.
26. Arumugam Anitha, **Moorthiraman murugan** & Rajaram Rajamohan, Molecular encapsulation of amodiaquine in 2-hydroxypropyl β -cyclodextrin cavity. Characterization and its in vitro cytotoxicity, Spectroscopy Letters, 51, 02 Nov 20171-7, <https://doi.org/10.1080/00387010.2018.1448421>.

27. **Moorthiraman Murugan**, Rajaram Rajamohan, Arumugam Anitha & Madi Fatiha, Non-Covalent Bonding Interaction between Primaquine as Guest and 2-(Hydroxypropyl)- β -Cyclodextrin as Host, Polycyclic Aromatic Compounds, 42, 05 Oct 2020, 1861-1878, <https://doi.org/10.1080/10406638.2020.1813181>.
28. Muthusamy Viswalingam, **M. Murugan**, S. Prabu, Krishnamoorthy, Sivakumar, A. Arumugam, R. Rajamohan, A non-covalent bonding interaction between amitriptyline and beta-cyclodextrin: comparisons of in-vitro cytotoxic activity against breast cancer cell line, European Journal of Molecular and Clinical Medicine, 7(6), 1698–1705 (2020), <https://www.semanticscholar.org/paper/A-Non-Covalent-Bonding-Interaction-Between-And-Of-Viswalingam-Murugan/86a1b2ee491065839a72dacf776174d77e34b260>.
29. **M. Murugan**, A computational approach for the supramolecular assembly of amodiaquine and chloroquine with native cyclodextrins, European Journal of Molecular and Clinical Medicine, 7(6), 2017–2034 (2020)
30. P. Rosy, M. Jas, K. Santhanalakshmi, **M. Murugan**, P. Manivannan, Expert development of hetero structured tis2–tio2 nanocomposites and evaluation of electron acceptors effect on the photocatalytic degradation of organic pollutants under UV-light, Journal of Materials Science: Materials in electronics, 32, 4, 9 January 2021 4053–4066, 10.1007/s10854-020-05147-z.
31. Jacqueline Rosy Pushparaj , Murugan Moorthiraman , Bharanidharan Sarangapani , Rajamohan Rajaram, Molecular Docking Performance of Selective Organic Compounds with Target Protein, Biointerface Research in Applied Chemistry, 4(11) , 12414 – 12424, January 2021, 10.33263/BRIAC114.1241412424.
32. **M. Murugan** ^a, A. Anitha ^c, K. Sivakumar ^d, R. Rajamohan, Effect of ph and structural orientation on supramolecular complexation of chloroquine in β -cyclodextrin medium, Journal of Molecular Liquids, 325, 1 March 2021, 115157, <https://doi.org/10.1016/j.molliq.2020.115157>
33. Chandrabose Leelasabari, Rajaram Rajamohan, Yong Rok Lee, Angaiah Subramania, Krishnamoorthy Sivakumar, **Moorthiraman Murugan** & Govindasamy Manigandan, Characterization and Molecular Docking Analysis for the Supramolecular Interaction of Lidocaine with β -Cyclodextrin, Polycyclic Aromatic Compounds, 43, 14 Feb 2022, 1202–1218, <https://doi.org/10.1080/10406638.2022.2036773>.
34. Rajaram Rajamohan, **Moorthiraman Murugan**, Arumugam Anitha, Yong Rok Lee, Fatiha Madi, Nouar Leila & Muthusamy Viswalingam, Interaction of chloroquine with 2-(hydroxypropyl)- β -cyclodextrin through the supramolecular assembly for cytotoxicity on breast cancer cell lines Monatshefte für Chemie - Chemical Monthly, 153, 27 September 2022, 1171–1184, <https://doi.org/10.1007/s00706-022-02986-w>
35. Rajaram Rajamohan, Sekar Ashokkumar, Mani Murali Krishnan , Kuppusamy Murugavel , **Moorthiraman Murugan**, and Yong Rok Lee, Adenosine: β -cyclodextrin based metal-

organic frameworks as a potential material for cancer therapy, *Biomolecules*, 13, 20 July, 1154. <https://doi.org/10.3390/biom13071154>

36. Rajaram Rajamohan , Eswaran Kamaraj , Chandramohan Govindasamy , Sivakumar Allur Subramanian , SungJae Kim , Mani Murali Krishnan , Kuppusamy Murugavel , **Moorthiraman Murugan** , Yong Rok Lee, Formulation of Ensulizole with Beta-Cyclodextrins for Improved Sunscreen Activity and Biocompatibility, *Journal of Pharmaceutical Sciences*, Volume 113(6)1536-1545, June 2024 <https://doi.org/10.1016/j.xphs.2023.12.019>
37. Rajaram Rajamohan , Michael Ruby Raj , Thangavel Selvamani , Mani Murali Krishnan , Chandramohan Govindasamy , **Moorthiraman Murugan** , Yong Rok Lee, Chemosensor material as a metal–organic framework with potassium-based perylene tetracarboxylic acid for copper and lead detection, *Journal of Molecular Liquids*, 408, 15 August 2024, 125376, <https://doi.org/10.1016/j.molliq.2024.125376>.
38. Arumugam Anitha , Rajaram Rajamohan , **Moorthiraman Murugan** , Jeong Hyun Seo, Inclusion Complexation of Remdesivir with Cyclodextrins: A Comprehensive Review on Combating Coronavirus Resistance-Current State and Future Perspectives, *Molecules*. 2024 Oct 9;29(19):4782. doi: 10.3390/molecules29194782.
39. Sathiyaseelan, M., Lakshmi Kunhikrishnan, P. Jacquline Rosy, G. Sivashanmugam, and B. Preethi. "Synthesis of 1D nanorod and 2D nanoflake mixed structures of nickel cobaltite: an efficient diffusion-controlled electrode material for asymmetric supercapacitor application." *Applied Physics A* 130, no. 4 (2024): 263.
40. Jas, M. Jebastin Sonia, G. Marimuthu, and B. Prithivirajan. "SYNTHESIS, CHARACTERIZATION, MOLECULAR DOCKING, ADMET PROPERTIES AND IN-VITRO ANTI-INFLAMMATORY SCREENING OF SOME ISOXAZOLINE DERIVATIVES." *Indian Journal of Chemistry (IJC)* 63, no. 8 (2024): 812-822.
41. Sowmya, B., Varsha Murugan, P. Jacquline Rosy, Panchamoorthy Saravanan, R. Rajeshkannan, M. Rajasimman, Madhavi Reddy, and S. Venkat Kumar. "Employing Newly Developed Copper Oxide Nanoparticles for Antibacterial Capability from Discarded Wedelia Trilobata Flowers." *Biomass Conversion and Biorefinery* (Springer) 12 (2023): 1-12. Published January 25, 2023.
42. Doss, M. Arockia, P. Jacquline Rosy, and Abhishek Mandal. "IDENTIFICATION OF POTENTIAL ALPHA-AMYLASE INHIBITORS FROM ZIZIPHUS TRINERVIA USING GC-MS AND COMPUTATIONAL APPROACH." *Rasayan Journal of Chemistry* 16, no. 4 (2023).
43. Saroliya, Anil, Dinesh Mendhe, Tasneem, and Jacquline Rosy P. "Exploring AI-Based Human-Centered Data Analysis Methods in Chemistry: A Comprehensive Review." *European Chemical Bulletin* 12, Special Issue 5 (2023): 1076-1091. Published online May 19, 2023.

44. Sekhar, K. Ch, Raviteja Surakasi, Dr. Pallab Roy, P. Jacquline Rosy, T.K. Sreeja, S. Raja, and Velivela LakshmiKanth Chowdary. "Mechanical Behavior of Aluminum and Graphene Nanopowder-Based Composites." *International Journal of Chemical Engineering* (Hindawi) 2022 (2022): Article ID 2224482, 1-13. Published May 19, 2022. <https://doi.org/10.1155/2022/2224482>.
45. Khan, Muhammad Farooq, Adil Jamal, P. Jacquline Rosy, Arnold C. Alguno, Muhammad Ismail, Imran Khan, Ahmed Ismail, and Muhammad Zahid. "Eco-Friendly Elimination of Organic Pollutants from Water Using Graphene Oxide Assimilated Magnetic Nanoparticles Adsorbent." *Inorganic Chemistry Communications* (Elsevier), March 23, 2022.
46. Rosy, P. Jacquline, M. Jebastin Sonia Jas, and S. Venkat Kumar. "Biomimetic Copper Oxide Nanoparticles and Its Validation through In-Silico Approach on Cardiac Enzymes." *Current Nanoscience* (Bentham Publishers), January 1, 2022.
47. Santhanalakshmi, K., Neelakandeswari N., Jacquline Rosy P., and Margandan K. "An In Vitro Evaluation of Anti-Inflammatory Activity of Newly Synthesized 1,3,4 Oxadiazole Derivatives." *International Journal of Zoological Investigations* 8, no. 2 (2022): 755-764. Published online December 4, 2022.
48. David Roshan S., Jebastin Sonia Jas M., Jacquline Rosy P., Venkat Kumar Shanmugam, and Prabhakaran A. "Dye Sensitized Solar Cells Based on Extracted Natural Dyes and Synthetic Dyes with Nanocomposite Material." *Journal of Polymer & Composites* 10, Special Issue 2 (2022): S23-S30. Published online November 12, 2022.
49. Rosy, P. Jacquline, Jebastin Sonia Jas M., Santhanalakshmi K., Venkat Kumar Shanmugam, and Prabhakaran A. "Identification of Potential Inhibitor Targeting InhA, Molecular Docking, ADMET, Molecular Dynamic Simulation and Antibacterial Activity of Thiazolidinone Derivatives: A Computational Approach." *International Journal of Zoological Investigations* 8, Special Issue (2022): 191-202. Published online October 19, 2022.
50. Jebastin M., Jas Sonia, G. Sundari Abirama, Roshan David S., and Rosy Jacquline P. "Biochemical Study of Cyano-(3-Phenoxyphenyl)Methyl (1s,3s)-3-((Z)-2-Chloro-3,3,3-Trifluoroprop-1-Enyl)-2,2-Dimethylcyclopropane-1-Carboxylate (Lambda Cyhalothrin Pyrethroid Insecticide Resistance) on Aedes Aegypti." *International Journal of Zoological Investigations* 8, Special Issue (2022): 97-105. Published online September 29, 2022.
51. Rosy, P. Jacquline, M. Jebastin Sonia Jas, K. Santhanalakshmi, M. Murugan, and P. Manivannan. "Expert Development of Hetero Structured TiS₂-TiO₂ Nanocomposites and Evaluation of Electron Acceptors Effect on the Photocatalytic Degradation of Organic Pollutants under UV-Light." *Journal of Material Science – Materials in Electronics* (Springer) (2021). Published online January 2021.

52. Menon, Soumya, Happy Agarwal, S. Rajeshkumar, P. Jacquline Rosy, and Venkat Kumar Shanmugam. "Investigating the antimicrobial activities of the biosynthesized selenium nanoparticles and its statistical analysis." *Bionanoscience* 10, no. 1 (2020): 122-135.
53. Rosy, P. Jacquline, Murugan Moorthiraman, Bharanidharan Sarangapani, and Rajamohan Rajaram. "Molecular Docking Performance of Selective Organic Compounds with Target Protein." *Biointerface Research in Applied Chemistry* 11, no. 4 (2021): 12414-12424.
54. Ajay, V., V. Aravindan, M. Subhalakshmi, and P. Jacquline Rosy. "An Experimental Investigation on Engineered Cementitious Composite." *International Journal of Research and Analytical Reviews (IJRAR)* 8, no. 4 (November 2021): 266–271.
55. Rosy, P. Jacquline, Jebastin Sonia Jas M., Santhanalakshmi K., and Muthukumar S. "Green Synthesis, Biological Evaluation and DFT Calculations of Thiazolidinone Derivatives – A Review." *Asian Journal of Pharmaceutical and Clinical Research* 13, no. 1 (2020): 10–20.
56. Santhanalakshmi, K., Jacquline Rosy P., and Muthukumar S. "Comprehensive Review on Synthesis and Pharmaceutical Applications of Substituted 1,3,4-Oxadiazole." *Research Journal of Chemistry and Environment* 24, no. 9 (2020).
57. Menon, Soumya, Happy Agarwal, S. Rajeshkumar, P. Jacquline Rosy, and Venkat Kumar Shanmugam. "Antioxidant and Antifungal Activity of Bacteria Mediated Silver Nanoparticles Using Rhizobium sp." *Indian Journal of Public Health Research & Development* 10, no. 11 (2019).
58. Kumar, Muthukumar Sampath, Kalyanasundharam S., K. Santhanalakshmi, and Jacquline Rosy P. "Green Synthesis, Characterization and Catalytic Applications of Zinc Oxide Nanoparticles." *Research Journal of Chemistry and Environment* 23, no. 6 (2019).
59. Venkat Kumar, S., Karpagambigai S., Jacquline Rosy P., and Rajeshkumar S. "Preparation of Yeast Mediated Semiconductor Nanoparticles by Candida Albicans and Its Bactericidal Potential Against Salmonella Typhi and Staphylococcus Aureus." *International Journal of Research in Pharmaceutical Sciences* 10, no. 2 (2019): 861-864.
60. Santhanalakshmi, K., S. Kalyanasundharam, S. Muthukumar, and P. Jacquline Rosy. "Synthesis, characterization and evaluation of mosquito larvicidal effect of 1, 3, 4-oxadiazole derivatives against Culex quinquefasciatus." *World News of Natural Sciences* 19 (2018): 58-64.
61. Kumar, S. Venkat, S. Karpagambigai, P. Jacquline Rosy, and S. Rajeshkumar. "Controlling of disease causing pathogens using silver nanoparticles synthesized by one step green procedure." *Journal of Applied Pharmaceutical Science* 8, no. 1 (2018): 142-146.

62. Santhanalakshmi, K., Kalyanasundharam, Muthukumar, and P. Jacquline Rosy. "Antibacterial Activity of 1,3,4-Oxadiazole Derivatives and Inhibition Against β -Ketoacyl-ACP Synthase." *International Journal of Advanced Scientific Research and Management (IJASRM)* 3, no. 9 (September 2018).
63. Muthukumar, S., S. Kalyanasundharam, K. Santhanalakshmi, and P. J. Rosy. "Biosynthesis, characterization of TiO₂ nanoparticles by using Solanum xanthocarpum Berry Extract and their biomedical and photocatalytic activity." (2017): 738-746.
64. Santhanalakshmi, K., S. Kalyanasundaram, P. Rosy, and S. Muthukumar. "Synthesis, characterization, antibacterial and in-silico molecular docking studies of 2, 5-disubstituted-1, 3, 4-oxadiazole derivatives." *Int J Curr Eng Sci Res* 4, no. 11 (2017): 99-110.
65. Kumar, S. Venkat, S. Karpagambigai, P. Jacquline Rosy, and S. Rajeshkumar. "Phyto-assisted synthesis of silver nanoparticles using solanum nigrum and antibacterial activity against salmonella typhi and staphylococcus aureus." *Mechanics, Materials Science & Engineering Journal* 9, no. 1 (2017).
66. Muthukumar, S., P. Manivannan, S. Kalyanasundharam, K. Santhanalakshmi, and P. Jacquline Rosy. "A study on water quality assesment and its treatment over cnsl resin." *International Letters of Chemistry, Physics and Astronomy* 9, no. 2 (2015): 173.
67. Rosy, P. Jacquline, S. Kalyanasundaram, K. Santhanalakshmi, and S. Muthukumar. "SYNTHESIS, IN SILICO MOLECULAR DOCKING STUDIES AND ANTIBACTERIAL ACTIVITY OF 4-(4-HYDRAZINYLBENZYL)-1, 3-OXAZOLIDIN-2-ONE AGAINST DNA GYRASE ENZYME." *International Letters of Chemistry, Physics and Astronomy* 50 (2015): 43.
68. Rosy, P. Jacquline, S. Kalyanasundharam, K. Santhanalakshmi, S. Muthukumar, and P. Manivannan. "Study of coordination characteristics of some metal complexes of 2-thiouracil by infrared spectroscopy." *International Letters of Chemistry, Physics and Astronomy* 49 (2015): 75.
69. Sivakumari, G., Rajarajan, M., & Senthilvelan, S. (2023). Microwave-assisted synthesis and characterization of activated carbon–zirconium-incorporated CeO₂ nanocomposites for photocatalytic and antimicrobial activity. *Research on Chemical Intermediates*, 49, 3539–3561. Springer Netherlands. <https://doi.org/10.1007/s11164-023-05044-4>.
70. Pasupathi Mani, S., Rajarajan, M., Kasi, V., Arockiadoss, M., & Namasivayam, S. (2023). Crystal structure, DFT investigation, molecular docking, antioxidant and thrombolytic investigation of Thioxo Pyrimidine-5-Carboxylate. *Polycyclic Aromatic Compounds*, 44(2), 1095-1108. <https://doi.org/10.1080/10406638.2023.2186443>.

71. Raj, E. P., Karunanithi, P., Rajarajan, M., & Dash, S. (2023). Solubilization of ornidazole in single and mixed polymeric micellar medium of Pluronic F-127 and L-35. *Journal of Polymer Research*, 30, 161. <https://doi.org/10.1007/s10965-023-03041-1>.
72. Sivakumari, G., Rajarajan, M., Naveenkumar, R., & Senthilvelan, S. (2023). Ultraviolet light driven photocatalytic and antimicrobial activity of activated carbon-zirconium doped α -Fe₂O₃ nanocomposites. *Emergent Materials*, 6, 1243–1258. <https://doi.org/10.1007/s42247-023-00283-2>.
73. Arun Kumar, A., T. Chandrasekaran, M. Vinoth, and K. Riaz Ahamed. 2023. "Removal of Lead (II) Ion from Industrial Wastewater by Activated Carbon Prepared from Vitex negundo Using Batch Adsorption Studies." *Indian Journal of Chemical Technology* 30 (3): 392–397. DOI: doi.org/10.56042/ijct.v30i3.70662%20
74. Arunkumar, A., T. Chandrasekaran, M. Vinoth, S. Karmegam, and K. Riaz Ahamed. 2023. "Preparation, Characterization Using Vitex Negundo Plant Materials as Sorbents." *International Journal of Biology, Pharmacy and Allied Sciences* 12 (2): 592–601. <https://doi.org/10.31032/IJB PAS/2023/12.2.6827>
75. Muthalakshmi, M., Karthik Jeyapal, M. Vinoth, P. S. Dinesh, N. Senthil Murugan, and K. Santha Sheela. 2024. "Federated Learning for Secure and Privacy-Preserving Medical Image Analysis in Decentralized Healthcare Systems." In Proceedings of the 5th International Conference on Electronics and Sustainable Communication Systems (ICESC), 1442–1447. IEEE Xplore, October 2. DOI: doi.org/10.1109/ICESC60852.2024.10690003.
76. Vinoth, M., Bobin A., Rajagobalan B., Rangasamy V., and Santhanakshmi K. 2024. "Molecular Docking Studies of Pisonia Grandis against Herpes Simplex Virus: Insights from Computational Analysis." In Proceedings of the Third International Conference on Smart Technologies and Systems for Next Generation Computing (ICSTSN). IEEE Xplore, September 13. DOI: doi.org/10.1109/ICSTSN61422.2024.10671016.
77. Vinodha, S., Suganya, M., Shanmugam, N., Senthil Kumar, A., & Rajarajan, M. (2024). Optimization of the dosage of ZnO photocatalyst for the degradation of sunlight driven multi-dose organic dye Brilliant Green. *Journal of the Indian Chemical Society*, 101(10), 101328. <https://doi.org/10.1016/j.jics.2024.101328>.
78. Rajarajan, M., Dhandapani, A., Arockiadoss, M., Anandhavelu, S., Pasupathi, M., & Rajaraman, D. (2025). Synthesis, SCXRD, Hirshfeld analysis, DFT, molecular docking, in vitro anti-cancer, anti-diabetic and anti-inflammatory activities of (E)-4-[(4-hydroxybenzylidene)hydrazinyl]benzonitrile. *Journal of Molecular Structure*, 1325, 140911. <https://doi.org/10.1016/j.molstruc.2025.140911>.
79. Margandan, K. 2023. "A Review of Fluoride Removal from Groundwater by Various Adsorption Techniques." *Chilean Chemical Society* 68 (2). SCI Impact Factor: 1.6.

80. Margandan, K. 2023. "Influence of Metal Doping and Non-Metal Loading on Photodegradation of Methylene Blue Using SnO₂ Nanoparticles." *Journal of Molecular Structure* 1286. SCI Impact Factor: 3.8.
81. Margandan, K. 2022. "Effect of Cobalt Incorporation on the Photocatalytic Degradation of Brilliant Green Using SnO₂ Nanoparticles under Visible Light Irradiation." *Inorganic Chemistry Communications* 145 (November). SCI Impact Factor: 3.4.
82. Margandan, K. 2022. "An In Vitro Evaluation of Anti-Inflammatory Activity of Newly Synthesized 1,3,4-Oxadiazole Derivatives." *International Journal of Zoological Investigations* 8 (2): 755-764. Web of Science Impact Factor: 2.4.
83. Margandan, K. 2022. "Impact of COVID-19 Coronavirus Pandemic: A Review." *International Journal of Zoological Investigations* 8 (2): 784-787. Web of Science Impact Factor: 2.4.
84. Margandan, K. 2022. "Larvicidal Activity of 1,3,4-Oxadiazole Analogues and Their Molecular Docking Studies." *IEEE*, March 25. Scopus Impact Factor: 3.5.
85. Agrawal, R., K. Margandan, S. Sharma, and K. Qanungo. 2023. "Employment Generation Opportunities in Fluorosis-Affected Rural Areas in India: Production of Cement-Stabilized Mud Blocks Using Sludge from MgO-CaO-MgCl₂-HCl and Activated Alumina-Based Defluoridation Filters." *Materials Today: Proceedings* 81 (2): 1025-1033. Scopus Impact Factor: 1.5.
86. Santhanakshmi, K., K. Margandan, P. Manivannan, and P. Jacqueline Rosy. 2021. "Pharmacological Significance of Oxadiazole Scaffold." *Research Journal of Chemistry and Environment* 25 (8). Scopus Indexed.
87. Santhanakshmi, K., K. Margandan, P. Jacqueline Rosy, and P. Manivannan. 2020. "An Overview of Triazole Scaffold: Synthesis and Pharmacological Significance (2010-2020)." *European Journal of Molecular & Clinical Medicine* 7 (3): 5580-5590. Web of Science Indexed.
88. Margandan, K., R. Agrawal, and K. Qanungo. 2019. "A Review of Fluoride Removal from Groundwater." *Periodica Polytechnica Chemical Engineering* 63 (3): 425-437. SCI Impact Factor: 1.75.
89. Margandan, K., R. Agrawal, S. Sharma, and K. Qanungo. 2018. "Field Testing of a Magnesium Oxide-Lime-Calcium Chloride Hydrochloric Acid-Based Defluoridation Filter (Part 4): Raju Singh Household." *International Journal of Research* 7 (4): 1042-1052. UGC Indexed.
90. Margandan, K., R. Agrawal, S. Sharma, and K. Qanungo. 2018. "Field Testing of a Magnesium Oxide-Lime-Calcium Chloride Hydrochloric Acid-Based Defluoridation

Filter (Part 3): Sumer Singh Household." *International Journal of Research* 7 (4): 1053-1063. UGC Indexed.

91. Margandan, K. 2017. "Synthesis and Characterization of Bismercapto(2,2':6',2"-Terpyridine) Ru(II)-Complexes Stabilized Gold Nanoparticles and Their Electrocatalytic Reduction of Nitrite." *Chilean Chemical Society* 62 (4): 3691-3699. SCI Impact Factor: 1.45.
92. Margandan, K. 2017. "Defluoridation Technique Based on Optimization of CaCl₂ Dosage." *International Journal of ChemTech Research* 10 (13): 361-368. Scopus Indexed.
93. Margandan, K., and Kushal Qanungo. 2016. "Optimization of CaO Dosage in a MgO-CaCl₂-CaO-HCl-Based Defluoridation Technique." *International Journal of Innovative Research in Technology, Science & Engineering (IJIRTSE)* 2 (3), March.
94. Margandan, K. 2015. "Studies on In Situ Generation of Chromium (IV) and Its Involvement in the Kinetics of Oxidation of L-Methionine in Aqueous Medium." *International Journal of ChemTech Research* 8 (12): 687-701. Scopus Indexed.
95. Margandan, K., R. Agrawal, R. Acharya, S. Sharma, and K. Qanungo. 2015. "Studies on Cement-Stabilized Mud Blocks for Sludge Disposal from MgO, CaCl₂, CaO, and HCl-Based Defluoridation Filters in Rural Rajasthan." *International Journal of ChemTech Research* 8 (8): 357-362. Scopus Indexed.
96. Margandan, K., R. Agrawal, R. Acharya, S. Sharma, and K. Qanungo. 2014. "Kinetics of Fluoride Removal from Groundwater Using MgO." *Chemical Bulletin "POLITEHNICA" University (Timisoara)* 59 (73): 19-27.
97. Agarwal, R., K. Margandan, R. Acharya, S. Sharma, and K. Qanungo. 2014. "Fabrication and Testing of Activated Alumina-Based Defluoridation Filters with Yarn Cartridge." *International Journal of ChemTech Research* 6 (1): 845-859. Scopus Indexed.
98. Margandan, K., R. Agrawal, K. Singh, R. Acharya, S. Sharma, and K. Qanungo. 2014. "Optimization of MgO Dosage in a MgO-CaCl₂-Lime-HCl-Based Defluoridation Technique." *Chemical Science Transactions* 3 (1): 79-86. UGC Indexed.
99. Jebastin Sonia Jas, M., K. Margandan, R. Ramesh, and G. Marimuthu. 2014. "Ruthenium(II) Chiral Schiff Base Complexes." *International Journal of Advanced Chemical Science and Applications (IJACSA)* 2 (4): 10-15.
100. Dhanalakshmi, A., and S. Aravazhi. "Study on Ni_{0.5}-X Znx Cu_{0.5} Fe₂ O₄ Sintered Ferrite System Using XRD & High Field Techniques." *International Journal of Recent Research in Physics and Chemical Sciences* Volume. 2, Issue.1, pp 18–25 (April–September 2015): ISSN 2350-1030. www.paperpublications.org

- 101.S Hemalatha, B Rajagobalan, "Growth and characterization of potassium aluminium sulphate dodecahydrate single crystals", Int J Eng Stud Tech Approach, (2015)
- 102.B Rajagobalan, G Meenakshi, M Ranjan,"Investigation of Anisotropic strain induced in Ti thin film grown on patterned substrate", International Conference on Emerging Trends in Technology, Science and Upcoming Research in Computer Science, (2015)
- 103.Sakthi Murugan, R., and A. Dhanalakshmi. "Preparation of Magnetite (Fe₃O₄) Thin Films by Sol-Gel Method and Its Characterization, India." *International Journal of ChemTech Research* 9, no. 6 (2016): 400–408. CODEN (USA): IJCRGG. ISSN: 0974-4290, ISSN (Online): 2455-9555.
- 104.Amutha, G., and A. Dhanalakshmi. "Preparation and Characterization of Barium Incorporated Zinc Oxide Nanoparticles." *International Journal of ChemTech Research* 10, no. 9 (2017): 1132–1138. CODEN (USA): IJCRGG. ISSN: 0974-4290, ISSN (Online): 2455-9555.
- 105.E.Mathivadhana, K.Sivasankari,"A Comparative Study Of Matrix Encoding And Hill Cipher Algorithm", IJSRST, Print ISSN: 2395-6011, Volume2, Issue No.1(2018).
106. K. Sivasankari, K. Madeshwaran, , K. Anandharaj, D. Elayaraja, “Automatic Sheet Roller Handling Set-Up in Extrusion Machine”, International Journal for Research in Applied Science & Engineering Technology (IJRASET), ISSN: 2321-9653; SJ Impact Factor: 6.887,Volume 7 Issue IV, Apr 2019.
- 107.Sagayaraj, R., M. Jegadheeswari, S. Aravazhi, G. Chandrasekaran, and A. Dhanalakshmi. "Structural, Spectroscopic, and Magnetic Study of Nanocrystalline Terbium–Nickel Ferrite by Oxalate Co-Precipitation Method." *Journal of Chemistry Africa*, volume 3, pp 955-963 (2020). Springer International Publishing
- 108.B. Rajagobalan & G. Meenakshi , "Effect of Temperature and Substrate Biasing of Titanium Thin Film on Normal and Patterned Silicon Wafer", 01 February 2022 pp 191–207, Lecture Notes in Electrical Engineering ((LNEE, volume 822)), https://doi.org/10.1007/978-981-16-7664-2_16
- 109.S. Hemalatha, B. Rajagobalan & T. Geethakrishnan,"Fabrication, Characterization of Basic Blue 7 Dye-Doped PVA Films and Their Third-Order Nonlinear Optical Properties",10 April 2023, Volume 33, pages 2295–2304, (2023), <https://doi.org/10.1007/s10895-023-03228-w>

110. Vinoth M; Bobin A; Rajagobalan B; Rangasamy V; Santhanalakshmi K, "Molecular Docking Studies of Pisonia Grandis against Herpes Simplex Virus: Insights from Computational Analysis", 2024 Third International Conference on Smart Technologies and Systems for Next Generation Computing (ICSTSN), 18-19 July 2024, DOI: 10.1109/ICSTSN61422.2024.10671016
111. R. Sakthi Murugan a,b,P Hajasharif a,c,* C. Manoharan a A. Dinesh d, S. Suthakaran, 2024 "Effect of Cu substitution on morphological optical and electrochemical properties of Co₃O₄ nanoparticles by co-precipitation method" Results in Chemistry Volume 11, October 2024, <https://doi.org/10.1016/j.rechem.2024.101830>
112. Suresh G., Dhanaraj K., Vishwanath R.N., Dhanalakshmi B., Sindhya A. 2024. "Antibacterial and Cell Viability of hydroxyapatite derived from waste Marin shell for Biomedical Applications." Asian Journal of Chemistry 10(Sept. 2024). <https://doi.org/10.14233/ajchem.2024.32287>.
113. V. Venatachalam, Dr. S.S.Nagamuthu, R. Ragupathy, M. Rehana, Analysis of stability for thermal system with parametric uncertainty <https://doi.org/10.53555/AJBR. v27i3S. 3328>
114. Ravi, O., T. Soupramanien, M. Lellis Thivagar, and R. Nagendran. "Contra g#-Continuity and Separation Axiom." *Indian Journal of Mathematics and Mathematical Sciences* 6, no. 1 (2010): 33–40.
115. Ramachandran, C., and T. Soupramanien. "On Subordination for an Analytic Function Associated to Certain Family of Integral Operators." *Far East Journal of Mathematical Sciences (FJMS)* 85, no. 1 (2014): 23–33.
116. Ramachandran, C., and T. Soupramanien. "Estimate on the Second Hankel Determinant for Generalised Srivastava Linear Operator Whose Derivative Has a Positive Real Part." *International Journal of Mathematical Analysis* 9, no. 19 (2015): 917–926.
117. Ramachandran, C., D. Kavitha, and T. Soupramanien. "Certain Bound for q-Starlike and q-Convex Functions with Respect to Symmetric Points." *International Journal of Mathematics and Mathematical Sciences* (2015): Article ID 205682.
118. Ramachandran, C., T. Soupramanien, and B. A. Frasin. "New Subclasses of Analytic Function Associated with q-Difference Operator." *European Journal of Pure and Applied Mathematics* 10, no. 2 (2017): 348–362.
119. Ramachandran, C., and T. Soupramanien. "On Some Coefficient Bounds of Janowski λ -Spirallike Multivalent Functions." *International Journal of Pure and Applied Mathematics* 113, no. 12 (2017): 21–28.

120. Ramachandran, C., T. Soupramanien, and J. Sokół. "On a Generalization of Bounded Univalent Function of Complex Order." *Journal of Computational and Theoretical Nanoscience* 15, no. 2 (2018): 601–605.
121. Ramachandran, C., T. Soupramanien, and Nak Eun Cho. "Certain Subclasses of Bi-Univalent Functions of Complex Order Associated with the Generalized Meixner-Pollaczek Polynomials." *Journal of Computational Analysis and Applications* 26, no. 3 (2019): 484–498.
122. Ramachandran, C., and T. Soupramanien. "Differential Subordination for Certain Analytic Function in the Upper Half-Plane." *International Journal of Advanced Science and Technology* 28, no. 8 (2019): 563–571.
123. Ramachandran, C., T. Soupramanien, and J. Sokół. "The Fekete–Szegö Functional Associated with k-th Root Transformation Using Quasi-Subordination." *The Journal of Analysis* 28, no. 1 (2020): 199–208.
124. Soupramanien, T., C. Ramachandran, and Khalifa Al-Shaqsi. "Certain Subclasses of Univalent Functions with Positive Coefficients Involving Touchard Polynomials." *Advances in Mathematics: Scientific Journal* 10, no. 2 (2021): 981–990.
125. Ramachandran, C., T. Soupramanien, and L. Vanitha. "Estimation of Coefficient Bounds for the Subclasses of Analytic Functions Associated with Chebyshev Polynomial." *Journal of Mathematics and Computer Science* 11, no. 3 (2021): 3232–3243.
126. Soupramanien, T., C. Ramachandran, and Nak Eun Cho. "Fekete-Szegö Inequalities of Certain Subclasses of Analytic Functions and Applications to Some Distribution Series." *Journal of Applied Mathematics & Informatics* 39, nos. 5–6 (2021): 725–742.
127. Ramachandran, C., T. Soupramanien, and B. A. Frasin. "An Application of Pascal Distribution on Spirallike Parabolic Starlike Functions." *Palestine Journal of Mathematics* 11, no. 2 (2022): 469–478.
128. Anandhkumar, M., G. Punithavalli, T. Soupramanien, and Said Broumi. "Generalized Symmetric Neutrosophic Fuzzy Matrices." *Neutrosophic Sets and Systems* 57, no. 1 (2023). https://digitalrepository.unm.edu/nss_journal/vol57/iss1/6.
129. Balaji, B., A. Santhosh Kumar, R. Suganya, and T. Soupramanien. "Advanced Semiconductor Materials in Power Electronic Switches for Energy-Efficient Converters in an Electric Vehicle Charging System with Closed-Loop FOPID Control." *Materials Today: Proceedings* (2023). <https://doi.org/10.1016/j.matpr.2023.07.043>.
130. Muthuraji, T., A. Anbukkarasi, and T. Soupramanien. "Commutative Monoids and Monoid Homomorphism on Lukasiewicz Conjunction and Disjunction Operators over Neutrosophic Fuzzy Matrices." *AIP Conference Proceedings* 2852, no. 1 (2023).

131. Mohammed Shapique, A., and Vaithiyanathan, A. "Analysis of a Single Server System With Heterogeneous Arrival, Heterogeneous Service, System Failure And Maintenance." *Reliability: Theory & Applications* 19, no. 2 (78) (2024): 434-445. <https://doi.org/10.24412/1932-2321-2024-278-434-445>.
132. Shapique, A. Mohammed, and A. Vaithiyanathan. "Discrete-Time Queueing Analysis Of Power-Saving Mechanisms In LTE DRX Systems With Differentiated Vacation And Disaster." *Reliability: Theory & Applications* 19, no. 4 (80) (2024): 162-175. <https://doi.org/10.24412/1932-2321-2024-480-162-175>.
133. Sudhesh, R., and A. Vaithiyanathan. "Time-dependent Single Server Markovian Queue with Catastrophe." *Applied Mathematics & Sciences* 9, no. 66 (2015): 3275-3283. <https://doi.org/10.12988/ams.2015.54314>.
134. Sudhesh, Ramupillai, and Arumugam Vaithiyanathan. "Analysis of State-dependent Discrete-time Queue with System Disaster." *RAIRO-Operations Research* 53, no. 5 (2019): 1915-1927. <https://doi.org/10.1051/ro/2018078>.
135. Sudhesh, Ramupillai, and Arumugam Vaithiyanathan. "Stationary Analysis of Infinite Queueing System with Two-stage Network Server." *RAIRO-Operations Research* 55 (2021): S2349-S2357. <https://doi.org/10.1051/ro/2020076>.
136. Mohammed Shapique, A., and Mathivadhana, E. "Modified Non-Linear Triangular Neutrosophic Numbers: Theory and Applications in Integral Equation." *Neutrosophic Sets and Systems* 72, no. 1 (2024): 20. <https://doi.org/10.5281/ZENODO.13566880>.
137. Mohammed Shapique, A., and Vaithiyanathan, A. "Analysis of a Single Server System With Heterogeneous Arrival, Heterogeneous Service, System Failure And Maintenance." *Reliability: Theory & Applications* 19, no. 2 (78) (2024): 434-445. <https://doi.org/10.24412/1932-2321-2024-278-434-445>.
138. Shapique, A. Mohammed, and A. Vaithiyanathan. "Discrete-Time Queueing Analysis Of Power-Saving Mechanisms In LTE DRX Systems With Differentiated Vacation And Disaster." *Reliability: Theory & Applications* 19, no. 4 (80) (2024): 162-175. <https://doi.org/10.24412/1932-2321-2024-480-162-175>.
139. Mohammed Shapique, A., R. Sudhesh, and S. Dharmaraja. "Transient Analysis of a Modified Differentiated Vacation Queueing System for Energy-Saving in WiMAX." *Methodology and Computing in Applied Probability* 26, no. 3 (2024): 23. <https://doi.org/10.1007/s11009-024-10094-x>.
140. Sudhesh, R., Mohammed Shapique, and S. Dharmaraja. "Analysis of a Multiple Dual-Stage Vacation Queueing System with Disaster and Repairable Server." *Methodology and Computing in Applied Probability* 24, no. 4 (2022): 2485-2508. <https://doi.org/10.1007/s11009-022-09926-5>.

141. Sudhesh, R., and A. Mohammed Shapique. "Transient Analysis of Power Management in Wireless Sensor Network with Start-up Times and Threshold Policy." *Telecommunication Systems* 80, no. 1 (2022): 1-16. <https://doi.org/10.1007/s11235-022-00879-1>.
142. Ramupillai, Sudhesh, Mohammed Shapique, and Dharmaraja Selvamuthu. "Analysis of a Multiple M/M/1/DV Queueing System with a Dual-Threshold Policy, Vacation Interruption and a Waiting Server." *Bulletin of the Iranian Mathematical Society* 48, no. 6 (2022): 3561-3591. <https://doi.org/10.1007/s41980-022-00709-9>.
143. Sasikumar, S., L. Francis Raj, and A. Mohammed Shapique. "Transient Analysis of an M/M/1 Queue with Sleep Modes, Startup Time, Disaster, Repair and Its Application to Wireless Sensor Networks." *Mathematical Statistician and Engineering Applications* 71, no. 4 (2022): 10890-10915. <https://doi.org/10.17762/msea.v71i4.2029>.
144. Shapique, A. Mohammed. "Arithmetic Operations on Heptagonal Fuzzy Numbers." *Asian Research Journal of Mathematics* 2, no. 5 (2017): 1-25. <https://doi.org/10.9734/ARJOM/2017/31578>.
145. Radhika, K., T. Harikrishnan, R. Ambrose Prabhu, P. Tharaniya, M. John Peter, and M. Anandhkumar. "On Schur Complement in k-Kernel Symmetric Block Quadri Partitioned Neutrosophic Fuzzy Matrices." *Neutrosophic Sets and Systems* 78 (2025). <https://doi.org/10.5281/zenodo.14271040>.
146. Radhika, K., S. Senthil, N. Kavitha, R. Jegan, M. Anandhkumar, and A. Bobin. "Interval Valued Secondary k-Range Symmetric Quadri Partitioned Neutrosophic Fuzzy Matrices with Decision Making." *Neutrosophic Sets and Systems* 78 (2025). <https://doi.org/10.5281/zenodo.14423663>.
147. Anandhkumar, M., S. Prathap, R. Ambrose Prabhu, P. Tharaniya, K. Thirumalai, and B. Kanimozhi. "Determinant Theory of Quadri-Partitioned Neutrosophic Fuzzy Matrices and its Application to Multi-Criteria Decision-Making Problems." *Neutrosophic Sets and Systems* 79 (2025). <https://doi.org/10.5281/zenodo.14537962>.
148. Punithavalli, G., and M. Anandhkumar. "Kernel and K-Kernel Symmetric Intuitionistic Fuzzy Matrices." *TWMS Journal of Applied and Engineering Mathematics* 14, no. 3 (2024): 1231-1240.
149. Anandhkumar, M., G. Punithavalli, and E. Janaki. "Secondary k-column Symmetric Neutrosophic Fuzzy Matrices." *Neutrosophic Sets and Systems* 64, no. 1 (2024). https://digitalrepository.unm.edu/nss_journal/vol64/iss1/2/.
150. Anandhkumar, M., G. Punithavalli, R. Jegan, and Said Broumi. "Interval Valued Secondary k-Range Symmetric Neutrosophic Fuzzy Matrices." *Neutrosophic Sets and Systems* 61, no. 1 (2024). <https://fs.unm.edu/nss8/index.php/111/article/view/3784>.

151. Prathab, H., N. Ramalingam, E. Janaki, A. Bobin, V. Kamalakannan, and M. Anandhkumar. "Interval Valued Secondary k-Range Symmetric Fuzzy Matrices with Generalized Inverses." *IAENG International Journal of Computer Science* 51, no. 12 (December 2024): 2051–2066. https://www.iaeng.org/IJCS/issues_v51/issue_12/IJCS_51_12_16.pdf.
152. Anandhkumar, M., A. Bobin, S. M. Chithra, and V. Kamalakannan. "Generalized Symmetric Fermatean Neutrosophic Fuzzy Matrices." *Neutrosophic Sets and Systems* 70, no. 1 (2024). <https://doi.org/10.5281/zenodo.13172740>.
153. Anandhkumar, M., T. Harikrishnan, S. M. Chithra, V. Kamalakannan, and B. Kanimozhi. "Partial Orderings, Characterizations and Generalization of k-idempotent Neutrosophic Fuzzy Matrices." *International Journal of Neutrosophic Science* 23, no. 2 (2024): 286–295. <https://doi.org/10.54216/IJNS.230223>.
154. Anandhkumar, M., H. Prathab, S. M. Chithra, A. S. Prakaash, and A. Bobin. "Secondary K-Range Symmetric Neutrosophic Fuzzy Matrices." *International Journal of Neutrosophic Science* 23, no. 4 (2024): 23–28. <https://doi.org/10.54216/IJNS.230402>.
155. Punithavalli, G., and M. Anandhkumar. "Reverse Sharp and Left-T Right-T Partial Ordering on Intuitionistic Fuzzy Matrices." *TWMS Journal of Applied and Engineering Mathematics* 14, no. 4 (2024): 1772–1783.
156. Anandhkumar, M., V. Kamalakannan, S. M. Chithra, and Said Broumi. "Pseudo Similarity of Neutrosophic Fuzzy Matrices." *International Journal of Neutrosophic Science* 20, no. 4 (2023): 191–196. <https://doi.org/10.54216/IJNS.200415>.
157. Anandhkumar, M., B. Kanimozhi, S. M. Chithra, V. Kamalakannan, and Said Broumi. "On Various Inverses of Neutrosophic Fuzzy Matrices." *International Journal of Neutrosophic Science* 21, no. 2 (2023): 20–31. <https://doi.org/10.54216/IJNS.230223>.
158. Anandhkumar, M., T. Harikrishnan, S. M. Chithra, B. Kanimozhi, and Said Broumi. "Reverse Sharp and Left-T Right-T Partial Ordering on Neutrosophic Fuzzy Matrices." *International Journal of Neutrosophic Science* 21, no. 4 (2023): 135–145. <https://doi.org/10.54216/IJNS.210413>.
159. Anandhkumar, M., B. Kanimozhi, S. M. Chithra, and V. Kamalakannan. "Reverse Tilde (T) and Minus Partial Ordering on Intuitionistic Fuzzy Matrices." *Mathematical Modelling of Engineering Problems* 10, no. 4 (2023): 1427–1432. <https://doi.org/10.18280/mmep.100438>.
160. Anandhkumar, M., G. Punithavalli, T. Soupramanien, and Said Broumi. "Generalized Symmetric Neutrosophic Fuzzy Matrices." *Neutrosophic Sets and Systems* 57 (2023): 114–127. <https://fs.unm.edu/nss8/index.php/111/article/view/3507>.

161. Anandhkumar, M., and Said Broumi. "Characterization of Fuzzy, Intuitionistic Fuzzy, and Neutrosophic Fuzzy Matrices." *8th International Conference on Combinatorics, Cryptography, Computer Science and Computation* (2023): 37–51.
162. Punithavalli, G., and M. Anandhkumar. "Some Inverses on Generalized Idempotent Intuitionistic Fuzzy Matrices." *Indian Journal of Natural Sciences* 14, no. 80 (2023).
163. Punithavalli, G., and M. Anandhkumar. "Interval Valued Secondary k-Kernel Symmetric Fuzzy Matrices." *Indian Journal of Natural Sciences* 14, no. 79 (2023).
164. Muthuraji, T., and A. Anbukkarasi. "Some Properties on Łukasiewicz Type (1&2) Operators Over Neutrosophic Fuzzy Matrices." *Indian Journal of Natural Sciences* 15, no. 85 (August 2024): 78494–78503.
165. Muthuraji, T., and A. Anbukkarasi. "Gödel Łukasiewicz Operators Over Intuitionistic Fuzzy Matrices and Neutrosophic Fuzzy Matrices." *Journal of Nonlinear Analysis and Optimization* 15, no. 1 (2024): Article No. 17.
166. Muthuraji, T., and A. Anbukkarasi. "Monoid on Gödel Implication Operator Over Neutrosophic Fuzzy Matrices and Decision-Making Process for Higher Education Institution." In *2024 Fourth International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT)*. IEEE, 2024.
167. Muthuraji, T., A. Anbukkarasi, and T. Soupramanien. "Commutative Monoids and Monoid Homomorphism on Łukasiewicz Conjunction and Disjunction Operators Over Neutrosophic Fuzzy Matrices." *AIP Conference Proceedings* 2852, no. 030003 (2023). <https://doi.org/10.1063/5.0164778>.
168. Dhanalakshmi, K., D. Kavitha, and A. Anbukkarasi. "Coefficient Estimates for Bi-Univalent Functions in Connection with (p,q) Chebyshev Polynomial." *Journal of Mathematics and Computer Science* 11, no. 6 (2021): 8422–8429.
169. Dhanalakshmi, K., D. Kavitha, and A. Anbukkarasi. "Coefficient Estimates for Bi-Univalent Functions in Connection with (p, q) Chebyshev Polynomial." *Journal of Mathematics and Computer Science* 11, no. 6 (2021): 8422-8429.
170. Anbukkarasi, A., and A. Valli. "Using Fuzzy Logic for Risk Assessment of Natural Hazards in Chennai City." *International Journal of Pure and Applied Mathematics* 117, no. 5 (2017): 75–82.
171. Anbukkarasi, A., J. Shanthalakshmi, E. Mathivadhana, and U. Chitra. "Spouse Selection Using Fuzzy Goals and Constraints by Individual Decision Making." *Global Journal of Pure and Applied Mathematics (GJPAM)* 12, no. 1 (2016): 392–395.
172. Huang, Lei, Yong Wang, K. Pattabiraman, P. Danesh, Muhammad Kamran Siddiqui, and Murat Cancan. "Topological Indices and QSPR Modeling of New Antiviral Drugs for

Cancer Treatment." *Polycyclic Aromatic Compounds* 43, no. 9 (2023): 8147-8170. <https://doi.org/10.1080/10406638.2022.2145320>.

173. Pattabiraman, Kannan, P. Danesh, and Tariq Javed Zia. "Quality Analysis of COVID-19 Drugs through Graph Polynomial." *Polycyclic Aromatic Compounds* 44, no. 6 (2024): 4103-4126. <https://doi.org/10.1080/10406638.2023.2245103>.

174. "Inverse Properties of Neutrosophic Fuzzy Matrices." *Indian Journal of Natural Sciences* 15, no. 85 (August 2024).

175. Characterization of k-Centrosymmetric 2×2 Neutrosophic Fuzzy Matrices." *Journal Name*, vol. 15, no. 86 (October 2024). ISSN: 0976–0997.

176. Jaralpushparaj Simon, Gnanaprakasam Britto Antony Xavier, Sina Etemad, and Shahram Rezapour. "Mittag-Leffler Function for Real Index and Its Application in Solving Difference and Differential Equations." *mmn_4117.pdf*.

177. Simon, Jaralpushparaj, Etemad, Sina, Gnanaprakasam, Britto Antony Xavier, Avcı, İbrahim. "Alpha-Delta Integration and Its Application in Discrete Kinetic Equation Using Mittag-Leffler Factorial Function." *Journal of Mathematics*, 2024, 8030185. <https://doi.org/10.1155/2024/8030185>.