

BOOKS AND PUBLICATIONS

1. V. Sugantha Kumari, S. Khaleel Basha, Smart Polysaccharide nanosystems as scaffolds for tissue engineering applications, Lambert Academia Publishing Germany, 2016, ISBN:978-3-659-97851-7.
2. *In vitro* degradation behaviour of chitosan-based blends by ATR-FTIT for tissue engineering scaffolds: an indirect bioactivity assay, Springer, 2022, ISBN 978-981-19-2639-6.
3. *In vitro* studies of Chitosan/PVA/Methylcellulose-silver nanocomposites scaffolds using L929 fibroblast cells, Springer, 2022, ISBN 978-981-19-2639-6.
4. C. Rajan, R. Lakshmi, S. Sasikumar. Nanomaterials as bioceramics -Ecofriendly nanohybrid material for advanced engineering applications, CRC press, 2016, ISBN 9781315366531, 435-445.
5. Gomathi Thandapani, **E Radha**, J Jayashri, JAK Florence, PN Sudha, (2018). Bioactive metallic surfaces for bone tissue engineering, Fundamental Biomaterials: Metals, ISBN: 9780081022054 eBook ISBN: 9780081022061, 79-110.
6. Parappurathi N. Sudha, Kirubanandam Sangeetha, Arumugam V. Jisha Kumari, Ethirajulu **Radha**, Narayanan Vanisri, SoundarajanAisverya, Sukumaran Anil (2018). In vivo biocompatibility studies: Perspectives on evaluation of biomedical polymer biocompatibility, Fundamental biomaterials: Polymers,ISBN: 9780081021941 eBook ISBN: 9780081021958, 217-247.
7. K. Sangeetha, A. V. Jisha Kumari, **E. Radha**, P. N. Sudha(2019). Pharmaceutical Application of Collagens, in book Natural Polymers for Pharmaceutical Applications, ISBN-13: 978-1774631829, 32 pages.
8. D.Jayakumar, **S. Jhancy Mary** and R. Jaya Santhi, Evaluation of antioxidant potential and antibacterial activity of Calotropis gigantea and Vinca rosea using in vitro model, Indian Journal of Science and Technology, ISSN 0974-6846, 2010, Vol.3, Issue 6, pp – 720-724.
9. D.Jayakumar, S. Jhancy Mary and R. Jaya Santhi, Antioxidant and antimicrobial activities of Wedeliatrilobata and Morindapubescens, Asian Journal of Chemistry, ISSN 0970-7077, 2011, Vol.23, Issue 1, pp 305-308.
10. Dr. Jhancy Mary and Porselvi L, Synthesis and studies on electroactive Poly (3-chloroaniline), Poly(3-chloro aniline)-Blend-Poly ethylene glycol and poly(3-chloro aniline)-Blend-Poly(vinyl alcohol), Asian Journal of Chemistry, ISSN 0970-7077 , 2014, Vol 26, Issue 3, pp783-789.
11. Dr. S.Jhancy Mary and Porselvi L., Synthesis, Characterisation and electrical conductivity of poly(2-chloroaniline)/MMT and poly(2-chloroaniline)/Na-Bentonite Nano composites in the presence of surfactants, International Journal of Scientific and Technology Research, ISSN 2277-8616, 2014,Vol. 3, Issue 2, pp 69-75.
12. Dr. S.Jhancy Mary and PorselviLinganathan, Synthesis, Characterization, and Photoconductivity Studies on Poly(2-chloroaniline) and Poly(2-chloroaniline)/CuO Nanocomposites,Hindawi Publishing Corporation Journal of Composites, Volume 2014,Article ID 838975.
13. Dr. S.Jhancy Mary and PorselviLinganathan, Effect of Dodecyl benzene sulphonic acid on the Electrical Conductivity Behaviour of Poly(2-chloroaniline) and Poly(2-chloroaniline)/Silk Blends, American Journal of Polymer Science, ISSN 2163-1344, 2014,Vol. 4, Issue 4, 2014, pp 107-116.
14. S.Jhancy Mary , G.Devi and Porselvi L, DC –AC conductivity behaviors of poly(2-methoxyaniline-co-2-chloro aniline) and poly(2-methoxyaniline-co-2-chloro aniline)-

- composite-clay, Journal of Applied Chemical Science International, ISSN 2395-3705, 2016, Vol.6, Issue 3, pp 119-131.
15. L. Jose Kathrin and S.Jhancy Mary, Synthesis, Characterization and Applications of Poly(2-Methyl Aniline-co-2-Chloro Aniline) and Poly(2-Methyl Aniline-co-2-Chloro Aniline)-Nanocomposite-CuO, Journal of Modern Chemistry and Chemical Technology, ISSN 2229-6999, December 2016, Vol.7, Issue 3, pp 35-45.
 16. L. Jose Kathrin and S.Jhancy Mary, Electrical conductivity and anti bacterial studies on chemically synthesized Poly(2-Methyl Aniline-co-2-Chloro Aniline)-Blend - Polyurethane, Journal of Polymer and Composites, ISSN2321-2810, 2017, Vol. 5, Issue 1, pp 1-8.
 17. P.Lakshmi and S.Jhancy Mary, A comparative study on the electrical and thermal properties of the chemically synthesized copolymer, poly(2-methoxyaniline-co-2-chloroaniline) and its nanocomposite, poly(2-methoxyaniline-co-2-chloroaniline) – composite- Fe₂O₃, Journal of Pharmacy, ISSN: 2250-3013, (p)-ISSN: 2319-4219, 2017, pp 17-23. (*National Conference on Emerging Trends & Future Challenges in Chemical Sciences 21 | Page P.G & Research Department of Chemistry, Shanmuga Industries Arts and Science College, Tiruvannamalai.606 601*).
 18. P.Lakshmi and S.Jhancy Mary, Chemical synthesis, characterization and electrical conductivity behaviour of poly(2-chloro aniline- co- 2 –methoxy aniline) - blend- sodium alginate, Journal of Applied Chemical Science International, ISSN 2395-3705, 2018, Vol. 9, Issue 2, pp 115-121.
 19. P.Lakshmi and S.Jhancy Mary, Chemical synthesis, spectral characterization and electrical conductivity behavior of poly(2-methoxyaniline-co-2-chloroaniline) and its CuO nanocomposite and polypropylene glycol blend, Journal of Polymer and Composites, ISSN2321-2810, 2018, Vol. 6, Issue 3, pp 1-14.
 20. G.Vani and S.Jhancy Mary, Synthesis and Characterization of Poly(2-Chloroaniline), Its Starch and Silk Blends and Applications In Lithium ion Batteries, Materials Today: Proceedings, ISSN 2214-7853, 2019, Vol.8, pp 176–181.
 21. G.Vani and S.Jhancy Mary, Interfacial Polymerization and Characterization of Poly (2-Chloroaniline)-NiFe₂O₄ Nanocomposite, International Journal of Pharmacy and Biological Sciences, ISSN 2321-3272, 2019, Vol. 9, Issue 2, pp 123-128.
 22. P.Lakshmi and S.Jhancy Mary, Synthesis, characterization and electrical conductivity studies on Poly(2-chloro-co-2-methoxyaniline)-composite-Na Bentonite Clay, International Journal of Pharmacy and Biological Sciences, ISSN 2321-3272, 2019, Vol. 9, Issue 2, pp 208- 215.
 23. R.Suganthi and S.Jhancy Mary, Thermal and electrical transport properties of o-substituted polyanilines encapsulated with SiO₂ nano particles, International Journal of Pharmacy and Biological Sciences, ISSN 2321-3272, 2019, Vol. 9, Issue 2, pp 216- 225.
 24. R.Suganthi and S.Jhancy Mary, Thermal and electrical transport properties of o-substituted polyanilines encapsulated with CuO nano particles, Asian Journal of Chemistry, ISSN 0970-7077, 2019, Vol. 3, Issue10, pp 2261-2268.
 25. Julia Sebastian and Dr. S. Jhancy Mary, Recent Advances in the applications of substituted Polyanilines and their blends and composites, Polymer Bulletin, ISSN 0170-0839, 2019, Vol.77, Issue 12, pp 6641-6669.
 26. R.Suganthi and S.Jhancy Mary, Magnetic, Thermal and electrical transport properties of o-substituted polyanilines encapsulated with Fe₂O₃ nano particles, Asian Journal of Chemistry, ISSN 0970-7077, 2020, Vol.32, Issue 2, pp 265-270.
 27. P.Lakshmi and S.Jhancy Mary, Adsorption of Congo red dye using poly(2-chloroaniline-co-2-methoxyaniline), Journal of Water Pollution and Purification Research, ISSN2394-7306, 2019, Vol. 6, Issue 3, pp 9-18.

28. S. Padmaja & Jhancy Mary Samuel, Chemically copolymerized poly(2-chloroaniline-co-2-ethylaniline)-composite-Zn as an anodic material in Li-ion batteries, *Polymer Bulletin*, ISSN 0170-0839, 2021, Vol.9, pp5119-5135.
29. S. Padmaja & Jhancy Mary Samuel, Chemically copolymerized poly(2-chloroaniline-co-2-ethylaniline) as an anodic material in Li-ion batteries, *Polymer Bulletin*, ISSN 0170-0839, 2021, Vol.78, Issue 12, pp 7129-7146.
30. P.Lakshmi, G.Vani, Julia Sebastian and S. Jhancy Mary, Synthesis, characterization and electrical conductivity studies on Poly(2-chloroaniline-co-2-methoxyaniline)-Fe₂O₃ nano composites with varying weight percentages of Fe₂O₃, *International Journal of Pharmacy and Biological Sciences*, ISSN 2321-3272 , 2021, Vol.11, Issue 1, pp 210-216.
31. G.Vani and Jhancy Mary, Prospect of poly(2-chloroaniline)-nanocomposite-silica as anode in Li ion coin cell, *Asian Journal of Chemistry*, ISSN 0970-7077, 2021, Vol. 33, Issue 11, pp 2700-2706.
32. Julia Sebastian and Jhancy Mary, Structural, Thermal, and Electrochemical behaviour of poly(2-ethylaniline)-nanocomposite-Fe₂O₃ and poly(2-ethylaniline)-nanocomposite-SiO₂ for antibacterial and anti oxidant studies, *Polymer Science Series B*, ISSN 1560-0904, 2022, Vol. 64, pp 340–353.
33. G.Vani and S.Jhancy Mary, Interfacially polymerized and characterized poly(3-chloroaniline) and poly(3-chloroaniline)-nanocomposite NiFe₂O₄ for antimicrobial studies, *Materials Today Proceedings*, ISSN 2214-7853, 2022, Vol. 65, pp 42-50.
34. Julia Sebastian and Jhancy Mary, Anticancer potential of poly(2-aminobenzoic acid)-blend-Aloe vera against the human breast cancer cell line MDA-MB-231, *Journal of Bioactive and Compatible Polymers*, ISSN 0883-9115 , 2023, Vol.38, Issue 1, pp 58-73.
35. Julia Sebastian and S.Jhancy Mary, Prospect of electroactive poly(2-aminobenzoic acid) and poly(2-aminobenzoic acid)-nanocomposite –Fe₂O₃ as antibacterial agents and antioxidants, *Polymer Bulletin*, ISSN 0170-0839, May 2023, published online.
36. Julia Sebastian, Jhancy Mary Samuel, Miriam Daniel, Bernaardshaw Neppolian, Electroactive modified poly(2-aminobenzoic acid)-blend –aloe vera/GCE as an efficient dopamine sensor, *Journal of Polymer Research*, ISSN 1572-8935, September 2023, published online.
37. Helda Malarkodi Jesudoss, Murugavel Saminathan, **Rosaline Ezhilarasi J.**, Dinesh Murugan and Ponnuswamy 'Alagusundaram, Crystal Structure, Spectral, Electronic, NLO Studies, and Bioactivity of 3'-(1-Benzyl-5-Methyl-1H-1,2,3-Triazole-4-Carbonyl)-4'-(4-Bromophenyl)-1'-Methyl-2H-Spiro[Acenaphthylene-1,2'-Pyrrolidine]-2-One', *Brazilian Journal of Physics*, ISSN 0103-9733 (Print), ISSN 1678-4448 (Online), February-2019, Vol. 49, Issue 1, pp 28-43.
38. Helda Malarkodi, Murugavel Saminathan, **Rosaline Ezhilarasi**, Dinesh Murugan and Alagusundaram Ponnuswamy, 'Molecular Structure, Spectral, Electronic and Thermodynamic, First-Order Hyperpolarizability, NBO and Molecular Docking Studies of Novel Acenaphthylene Pyrrolidine Derivative', *Chemistry Select*, ISSN 2365-6549, November-2018, Vol. 3, Issue 41, pp 11552– 11564.
39. Jesudoss Helda Malarkodi, Saminathan Murugavel, **Rosaline Ezhilarasi J.**, Murugan Dinesh and Alagusundaram Ponnuswamy 'Structure Investigation, Spectral characterization, Electronic Properties, Antimicrobial and Molecular docking studies of 3'-(1-benzyl-5-methyl-1H-1,2,3-triazole-4-carbonyl)-1'-methyl-4'-phenyl-2H-spiro[acenaphthylene-1,2'-pyrrolidine]-2-one', *Journal of the Chinese Chemical Society*, ISSN 2192-6549, September-2018, Vol. 66, Issue 2, pp 205-217.
40. **Rosaline Ezhilarasi J.**, Helda Malarkodi J. and Divya S. 'Synthesis, Characterization and Antimicrobial screening of Mn(II), Ni(II) and Cu(II) complexes of 3,4,5-trihydroxy

- benzoic acid[1-(pyridyl) ethylidene]hydrazone', Asian Journal of Chemistry, ISSN 0970-7077 (Print), ISSN 0975-427X (Online), October-2017, Vol. 29, Issue 12, pp 2619-2622.
41. **Rosaline Ezhilarasi J.** and Jaya Santhi R. 'Synthesis, Characterization, and Biological applications of 2- hydroxy-3-methoxy benzaldehyde semi and thiosemicarbazone complexes of the Co (II) & Ni (II) metal ions', International Journal of Chemical Sciences and Applications, ISSN 0976-2590 (Print), ISSN 2278 – 6015 (Online), February-2014, Vol. 5, Issue 1, pp 13-21.
 42. **Rosaline Ezhilarasi J.** and Jaya Santhi R. 'Synthesis, Characterization, and Biological applications of 4-isopropyl benzaldehyde semi and thiosemicarbazones and their Mn(II) and Fe(III) metal complexes', International Journal of Advanced Research, ISSN 2320-5407, August-2014, Vol. 2, Issue 8, pp 832-846.
 43. Jaya Santhi R. and **Rosaline Ezhilarasi J.** 'Synthesis, Spectroscopic study and antimicrobial activity of some new 2- hydroxy-3-methoxy benzaldehyde semi and thiosemi carbazone metal complexes', International Journal of Research in Engineering and Bioscience, ISSN 2324-743X, September-2013, Vol.1, Issue 3, pp11-27.
 44. Archana S. and **Rosaline Ezhilarasi J.** 'Synthesis Characterization and Application of Salicylaldehyde Thiosemicarbazone and its Metal Complexes', International Journal of Research in Chemistry and Environment, ISSN 2248-9649, October-2012, Vol.2, Issue 4, pp 130-148.
 45. Augustine T., Charles C. Kanakam, **Scholastica Mary Vithiya B.** and Ramkumar V. '3-benzylidene-6-methoxychroman-4-one', Acta Crystallographica Section E, ISSN 2056-9890, 2008, Vol.E64, pp o2080.
 46. Augustine T., Charles C. Kanakam, **Scholastica Mary Vithiya B.** and Ramkumar V. 'A facile entry into novel class of dispiroheterocyclic framework through 1,3-dipolar cycloaddition of azomethine ylides with 3-arylidine-4-chromanones as dipolarophiles', Tetrahedron Letters, ISSN 0040-4039, August 2009, Vol. 50, pp 5906-5910.
 47. Augustine T., **Scholastica Mary Vithiya B.**, Ignacimuthu S and Ramkumar V. '3-Benzoyl-1_-methyl-4_-phenylspiro[acenaphthylene-1(2H),2- pyrrolidin]-2-one', Acta Crystallographica Section E, ISSN 2056-9890, 2010, Vol.E66, pp o3022.
 48. Augustine Arul Prasad T., **Scholastica Mary Vithiya B.** and Ignacimuthu S. 'A facile and regioselective synthesis of Spiro pyrrolidines and pyrrolizines through 1, 3 -dipolar cycloaddition Protocol' Der Pharma Chemica, ISSN 0975-413X, 2011, Vol.3, Issue 3, pp 293- 299.
 49. **Scholastica Mary Vithiya B.**, Indumathi U. and Augustine Arul Prasad T. 'Synthesis, characterisation and biological activity of novel Spiroheterocycles from semicarbazones' Der Pharma Chemica, ISSN 0975-413X, 2012, Vol. 4, Issue 5, pp 1906-1912.
 50. Shanmugapriya A., Hemalatha M., **Scholastica B** and Augustine Arul Prasad T. 'Adsorption studies of lead (II) and nickel (II) ions on chitosan-G-Polyacrylonitrile', Der Pharma Chemica, ISSN 0975-413X, 2013, Vol. 5, Issue 3, pp 141-155.
 51. **Scholastica Mary Vithiya B.**, Shanmugapriya A. and Augustine Arul Prasad T. 'A highly regioselective synthesis of spiro [oxindole-chromanone] Pyrrolidines and pyrrolizines through 1,3-dipolar cycloaddition protocol' Der Pharma Chemica, ISSN 0975-413X, 2013, Vol. 5, Issue 5, pp 184-188.
 52. Ramu P., Augustine Arul Prasad T., **Scholastica Mary Vithiya B** and Arul Antony S. 'Synthesis, characterization and biological activity of novel spiroheterocycles from isatin derivatives', Der Pharma Chemica, ISSN 0975-413X, 2014, Vol. 6, Issue 4, pp 30-36.

53. Imthiyaz Begum S.M., Durga A., Regina Mary R., **Scholastica Mary Vithiya B** and Elumalai K.'Evaluation of Larvicidal activity of *Tridax procumbens* (Asteraceae) Leaf extracts against the Dengue vector , *Aedes Aegypti* and Bancroftian Filiriasis Vector, *Culex quinquefasciatus*', *Indian Journal of Applied Research*, ISSN 2249-555X, 2014, Vol. 4, Issue 8, pp 28-30.
54. Durga A., Imthiyaz Begum S.M., **Scholastica Mary Vithiya B.** and Regina Mary R.'Larvicidal activity of *Wedeliachinen*(Asteraceae) plant extracts against *Aedes Aegypti* and *Culex quinquefasciatus*', *Indian Journal of Applied Research*, ISSN 2249-555X, 2014, Vol. 4, Issue 7, pp 51-56.
55. Ramu.P., Augustine Arul Prasad T., **Scholastica Mary Vithiya B** and Arul Antony S. 'Synthesis, characterization and biological activity of novel spiroheterocycles from oxindole derivatives', *Der Pharmacia Lettre*, ISSN 0975-5071, 2014, Vol. 6, Issue 5, pp 84-88.
56. **Scholastica Mary Vithiya B.**, Suganya Kumaresh K and Augustine Arul Prasad T. 'An efficient Synthesis of dispiro heterocycles from Claisen –Schmidt Adduct through 1, 3-dipolar cycloaddition protocol and study on its Biological properties', *Der Pharma Lettre*, ISSN 0975-5071, 2015, Vol. 7, Issue 8, pp 152-155.
57. Augustine Arul Prasad T., **Scholastica Mary Vithiya B** and Varadharajan E.'Green synthesis of dispiroheterocycles through a microwave induced solvent free approach and a study on its biological activity', *Der Pharmacia Lettre*, ISSN 0975-5071, 2016, Vol. 8, Issue 19, pp 311-316.
58. Varadharajan E., Ramkumar V., **Scholastica M. V. B** and Arul Prasad T. Augustine '3-Benzylidene-1'-methyl-4'-phenyldispiro[cyclopentane-1,3'-pyrrolidine-2',1''-acenaphthene]-2,2''-dione', *IUCrData*, ISSN 2414-3146, 2017, Vol. 2, pp x170581.
59. Bindu Thomas, Jayasri K., Sruthi V.P., Kavitha R., Aparna M., Augustine Arul Prasad T. and **Scholastica Mary Vithiya B** 'Synthesis of Silver Nanoparticles Impregnated Soap and its Study on Antibacterial Activity Using Green Principles' *Int J S Res Sci. Engg. Tech.* ISSN 2394-4099, Mar-Apr 2018, Vol. 4, Issue 4, pp 271-275.
60. Bindu Thomas, **Scholastica Mary Vithiya B** and Augustine Arul Prasad T. 'Antibacterial and antioxidant effect of synthesized silver nanoparticles from aqueous leaf extract of *Sechium edule*', *The Pharma Innovation Journal*, ISSN 2277-7695, March 2018, Vol. 7, Issue 4, pp 42-46.
61. Bindu Thomas, Augustine Arul Prasad T and **Scholastica Mary Vithiya B.** 'Evaluation of Antioxidant, Antibacterial and Photo catalytic Effect of Silver Nanoparticles from Methanolic Extract of *Coleus Vettiveroids* – an Endemic Species', *J Nanostruct*, ISSN 2251-788X, Spring 2018, Vol. 8, Issue 2, pp 179-190.
62. Bindu Thomas, **Scholastica Mary Vithiya B.**, Augustine Arul Prasad T., Mohamed S. B., Maria Magdalene C., Kaviyarasu V and Maaza M. 'Antioxidant and Photocatalytic Activity of Aqueous Leaf Extract Mediated Green Synthesis of Silver Nanoparticles Using *Passiflora edulis* f. *flavicarpa*' *Journal of Nanoscience and Nanotechnology*, ISSN 1533-4880, 2018, Vol. 18, pp 1–9.
63. Vinodhini S., **Scholastica Mary Vithiya. B** and Augustine Arul Prasad T. 'Synthesis and characterization of palladium nanoparticles using leaf extracts', *Annals of R.S.C.B.*, ISSN:1583-6258, May 2021, Vol. 25, Issue 5, pp 913-923.
64. Jasmine Jacob, Augustine Arul Prasad T and **Scholastica Mary Vithiya B.** 'Green Synthesis, Characterization, Anti-bacterial, Anti -diabetic, Anti-Cancerous Activity of *Momordica Charantia* leaf extract mediated Cu-Ag nanoalloys', *Annals of R.S.C.B.*, ISSN:1583-6258, May 2021, Vol 25, Issue 6, pp 17895-17907.
65. Athisa Roselyn Maheo, **Scholastica Mary Vithiya B.**, Augustine Arul Prasad T.,

- Tamizhdurai P and Mangesh V.L. 'Biosynthesis, characterization, biological and photo catalytic investigations of Elsholtziablanda and chitosan mediated copper oxide nanoparticles, Arabian Journal of chemistry, ISSN 1878-5352, December 2021, Vol. 15, Issue 3, pp 103661
66. Athisa Roselyn Maheo, **Scholastica Mary Vithiya B** and Augustine Arul Prasad T. 'Biosynthesis and characterization of Eupatorium adenophorum and chitosan mediated Copper oxide nanoparticles and their antibacterial activity', Results in Surfaces and Interfaces, ISSN 2666-8459, March 2022 Vol. 6, pp 100066.
 67. Vinodhini S., **Scholastica Mary Vithiya B** and Augustine Arul Prasad T. 'Green synthesis of silver nanoparticles by employing the Allium fistulosum, Tabernaemontana divaricate and Basella alba leaf extracts for antimicrobial applications', Journal of King Saud University – Science, ISSN 1018-3647, March 2022, Vol. 34, Issue 4, pp 101939.
 68. Vinodini S., **Scholastica Mary Vithiya B** and Augustine Arul Prasad T. 'Green synthesis, characterization and antimicrobial activity of palladium nanoparticles : A review' Journal of Applied Chemical Science International, ISSN: 2395-3705, March 2022, Vol. 13, Issue 3, pp 13-25.
 69. Vinodhini S., **Scholastica Mary Vithiya B** and Augustine Arul Prasad T. 'Green Synthesis of palladium nanoparticles using aqueous plant extracts and its biomedical applications', Journal of King Saud University – Science, ISSN 1018-3647, April 2022, Vol. 34, Issue 4, pp 102017.
 70. Jasmine Jacob, Augustine Arul Prasad T., **Scholastica Mary Vithiya B.**, Bindhu Thomas and Vasanthi R. 'Evaluation of Cu-Ag Bimetallic Nanoalloys as Antibacterial, Antidiabetic, Anticancerous Drug Biosynthesized from Curcuma aromatica' Asian Journal of Chemistry, ISSN 1878-5352, April 2022, Vol. 34, No. 5, pp 1183-1188.
 71. Jasmine Jacob, Augustine Arul Prasad T., **Scholastica Mary Vithiya B** and Rosaline Athisa M. 'Biosynthesis of Bimetallic Cu-Ag Nanocomposites and Evaluation of their Electrocatalytic, Antibacterial and Anti-Cancerous Activity', J Pure Appl Microbiol., ISSN 0973-7510, February 2022, Article Number: 7433.
 72. Athisa Roselyn Maheo, **Scholastica Mary Vithiya B** and Augustine Arul Prasad T. 'Biosynthesis of chitosan and eupatorium adenophorum mediated zinc oxide nanoparticles and their biological and photocatalytic activities', Materials Today: Proceedings, ISSN 0970-7077, 2022, Vol. 65, Issue 1, pp 298-312.
 73. Athisa Roselyn Maheo, **Scholastica Mary Vithiya B.**, Augustine Arul Prasad T., Mangesh V.L., Thamizhdurai Perumal, Wahidah H. Al-Qahtani and Mani Govindasamy 'Cytotoxic, antidiabetic and antioxidant study of biogenically improvised Elsholtziablanda and Chitosan-Assisted zinc oxide nanoparticles', ACS Omega, ISSN 2470-1343, June 2023, Vol. 8, Issue 12, pp 10954-10967.
 74. **Sugantha Kumari V.**, Sudha P.N, and Vinayagam, Synthesis, Spectroscopic Characterisation and Antibacterial activity of the Schiff base derived from N-(2-Carboxyphenyl) Benzylidenemine, The Eco Scan, ISSN 0974-0376, 2009, Volume 2, pp 169-176.
 75. **Sugantha Kumari V.**, Khaleel Basha S and Sudha P.N, Bioremediation of dyeing industry effluent using modified carbon, International Journal of Applied Bio Engineering, 2010, Volume 4, pp 34-39.
 76. **Sugantha Kumari V.**, Khaleel Basha S and Sudha P.N, Fabrication and antibacterial evaluation of Chitosan/Poly (vinyl Alcohol)/Methylcellulose ternary blend film, Journal of Pharmacy Research, ISSN 2840-2841, 2011, Volume 4, pp 0974- 6943.

77. **Sugantha Kumari V** and Khaleel Basha S, *In vitro* antidiabetic activity of psidium guajava leaves extracts, Asian Pacific Journal of Tropical Disease, ISSN 1995-7645, 2012, pp 98-100.
78. **Sugantha Kumari V.**, Khaleel Basha S and Sudha P.N, Physicochemical and Morphological evaluation of chitosan/poly (vinyl alcohol)/methyl cellulose chemically crosslinked ternary blends, Polymer Bulletin, ISSN 0170-0839, 2012, Volume 68, pp 1387-1393.
79. **Sugantha Kumari V.**, Khaleel Basha S and Sudha P.N, Performance of crosslinked chitosan based hybrid ternary blend for separation of cadmium, International Journal of Current Research, ISSN 0975-833X, 2013, Volume 5, pp 2196-2201.
80. **Sugantha Kumari V** and Khaleel Basha S, *In vitro* α -glucosidase and α -amylase inhibitory activity of Psidium guajava extracts, Journal of Pharmacy Research, ISSN 0974- 6943, 2014, Volume 8(3), pp 349-351.
81. **Sugantha Kumari V**, Sivagaami Sundari G and Khaleel Basha S, Facile Synthesis of Gold Nanoparticles with great catalytic activity using Ulva Fasciata, Letters in Applied NanoBioscience, ISSN 2284-6808, 2014, Volume 3, pp 124-129.
82. **Sugantha Kumari V**, Vijayalakshmi V, Khaleel Basha S, Ammonia sensor and antibacterial activities of green zinc oxide nanoparticle, Sensing and Bio-Sensing Research, ISSN 2214-1804, 2016, Volume 10, pp 34-40.
83. **Sugantha Kumari V**, Kanimozhi K, Khaleel Basha S, Fabrication of chitosan based hybrid porous scaffolds by salt leaching for soft tissue engineering Surfaces and Interfaces, ISSN 2468-0230, 2016, Volume 1-3, pp 7-12.
84. **Sugantha Kumari V**, Kanimozhi K, Khaleel Basha S, Processing and characterization of chitosan/PVA and methylcellulose porous scaffolds for tissue engineering Materials Science and Engineering C, ISSN 2772-9516, 2016, Volume 6, pp 484-491.
85. **Sugantha Kumari V**, Nalini T, Khaleel Basha S, Novel Nanosystems for Herbal Drug Delivery, World Journal of Pharmacy and Pharmaceutical sciences, ISSN 2278-4357, 2017, Volume 6, pp 1505-1513.
86. **Sugantha Kumari V**, Poonghuzali R, Khaleel Basha S, Synthesis and characterization of chitosan/poly(vinylpyrrolidone) biocomposite for biomedical applications, Polymer Bulletin, ISSN 0170-0839, 2017, Volume 74, pp 2185–2201.
87. **Sugantha Kumari V**, Poonguzhali R, Khaleel Basha S, Synthesis of alginate/nanocellulose bionanocomposite for in vitro delivery of ampicillin, Polymer Bulletin, ISSN 0170-0839, 2017, Volume 75, pp 4165–4173.
88. **Sugantha Kumari V**, Poonghuzali R, Khaleel Basha S, Synthesis and characterization of Chitosan–PVP–nanocellulose composites for In-vitro Wound dressing application, International Journal of Biological macromolecules, ISSN 0141-8130, 2017, Volume 105, pp 111-120.
89. **Sugantha Kumari V**, Poonghuzali R, Khaleel Basha S, Nano starch reinforced with Chitosan/Poly(vinyl pyrrolidone) Blend for in vitro wound healing application, Polymer-Plastics technology and engineering, ISSN 2574-0881 / 2574-089X, Volume 57, 2018, pp 1400-1410.
90. **Sugantha Kumari V**, Kanimozhi K, Khaleel Basha S, Kaviyarasu K, Development of Biomimetic Hybrid Porous Scaffold of Chitosan/Polyvinyl Alcohol/Carboxymethyl Cellulose by Freeze-Dried and Salt Leached Technique, Journal of Nanoscience and Nanotechnology, ISSN 1533-4880, 2018, Volume 18, pp 4916-492.
91. **Sugantha Kumari V**, Kanimozhi K, Khaleel Basha S, Kaviyarasu K, Maaza M, In vitro cytocompatibility of chitosan/PVA/methylcellulose–Nanocellulose nanocomposites scaffolds using L929 fibroblast cells Applied Surface Science, ISSN 0169-4332, 2018, Volume 499, pp 574-583.

92. **Sugantha Kumari V**, Poonghuzali R, Khaleel Basha S, Novel asymmetric chitosan/PVP/nanocellulose wound dressing: *In vitro and in vivo* evaluation International Journal of Biological macromolecules, ISSN 0141-8130, 2018 Volume 112, pp 1300-1309.
93. **Sugantha Kumari V**, Kanimozhi K, Khaleel Basha S, Kaviyarasu K, Development and characterisation of sodium Alginate/Poly(vinyl alcohol) Blend scaffold with ciproflaxcin loaded in controlled drug delivery system Nanoscience and Nanotechnology, ISSN 1533-4880, 2018, Volume 19, pp 2493-2500 (8).
94. **Sugantha Kumari V**, Poonghuzali R, Khaleel Basha S, Fabrication of asymmetric nanostarch reinforced Chitosan/PVP membrane and its evaluation as an antibacterial patch for in vivo wound healing application, International Journal of Biological macromolecules, ISSN 0141-8130, 2018, Volume 114, pp 204-213.
95. **Sugantha Kumari V**, Kanimozhi K, Khaleel Basha S, Kaviyarasu K, Salt leaching synthesis, characterization and In vitro cytocompatibility of chitosan/PVA/methylcellulose–ZnO nanocomposites scaffolds using L929 fibroblast cells, Journal of Nanoscience and Nanotechnology, ISSN 1533-4880, 2019, Volume 19, pp 4447-4457(11).
96. **Sugantha Kumari V**, Nalini T, Khaleel Basha S, Majeeth Mohamed Sadiq A, Kaviyarasu K, Development and characterization of alginate / chitosan nanoparticulate system for hydrophobic drug encapsulation, Journal of Drug Delivery Science and Technology, ISSN 2588-8943, 2019, Volume 52, pp 65-72.
97. **Sugantha Kumari V**, Shanmugapriya V, Khaleel Basha S, Facile Synthesis of Graphene Via Chemical and Biological Methods- A Review International Journal of Pharmacy and Biological Sciences, ISSN 2321-3272, 2019, Volume 9, pp 336-359.
98. **Sugantha Kumari V**, Narmatha Christy P, Khaleel Basha S, et al., Biopolymeric nanocomposite scaffolds for bone tissue engineering applications – A review, Journal of Drug Delivery Science and Technology, ISSN 2588-8943, 2020, Volume 55, pp 101452.
99. Khaleel Basha S, **Sugantha Kumari V**, Syed Muzambil M, Dhandayuthabani R, Kaviyarasu K, Nanoemulsion as Oral Drug Delivery-A Review, Current Drug Research Reviews, ISSN 2589-9775, 2020, Volume 12, pp 4-15.
100. Khaleel Basha S, **Sugantha Kumari V**, Syed Muzambil M, Dhandayuthabani R, Polysaccharides as excipient in drug delivery system, Materials today: Proceedings, ISSN 2214-7853, 2021, Volume 36, pp 280-289.
101. Khaleel Basha S, Sugantha Kumari V, Syed Muzambil M, Dhandayuthabani R, Development of nanoemulsion of Alginate/Aloe vera for oral delivery of insulin, Materials today: Proceedings, ISSN 2214-7853, 2021, Volume 36, pp 357-363.
102. Khaleel Basha S, **Sugantha Kumari V**, Dhandayuthabani R, Syed Muzambil M, Solid lipid nanoparticles for oral drug delivery, Materials today: Proceedings, ISSN 2214-7853, 2021, Volume 36, pp 313-324.
103. **Sugantha Kumari V**, Narmatha Christy P, Khaleel Basha S, Nano zinc oxide and nano bioactive glass reinforced chitosan/poly (vinyl alcohol) scaffolds for bone tissue engineering application, Materials Today Communications, ISSN 2352-4928, 2022, Volume 31, pp 103429.
104. **Sugantha Kumari V**, Nalini T, Khaleel Basha S, Mohamed Sadiq A, Fabrication and evaluation of nanoencapsulated quercetin for wound healing application, Polymer Bulletin, ISSN 0170-0839, 2022, Volume 80, pp 515–540.
105. **Sugantha Kumari V**, Nalini T, Khaleel Basha S, Mohamed Sadiq A, Assessment of acute oral toxicity of quercetin loaded alginate/chitosan nanoparticles: *in vivo* study, Polymer Bulletin, ISSN 0170-0839, 2022, Volume 80, pp 10921–10937.

106. **Sugantha Kumari V**, Nalini T, Khaleel Basha S, Mohamed Sadiq A, Pectin/chitosan nanoparticle beads as potential carriers for quercetin release, *Materials Today Communications*, ISSN 2352-4928, 2022, Volume 33, pp 104172.
107. **Sugantha Kumari V**, Nalini T, Khaleel Basha S and Mohamed Sadiq A, In vitro cytocompatibility assessment and antibacterial effects of quercetin encapsulated alginate/chitosan nanoparticle, *International Journal of Biological Macromolecules*, ISSN 0141-8130, 2022, Volume 219, pp 304-311
108. **Sugantha Kumari V**, Narmatha Christy P, and Khaleel Basha S, Multifunctional organic and inorganic hybrid bionanocomposite of chitosan/poly(vinyl alcohol)/nanobioactive glass/nanocellulose for bone tissue engineering, *Journal of the mechanical behaviour of biomedical materials*, ISSN 1751-6161, 2022, Volume 135, pp 105427.
109. **Sugantha Kumari V**, Switha D, Khaleel Basha S, Biopolymeric Nanocomposite Scaffolds for Nerve Tissue Engineering Applications: A review *Journal of Applied Chemical Science International*, ISSN: 2395-3713 (O), 2022, Volume 55, pp 101452.
110. **Sugantha Kumari V**, Switha D, Khaleel Basha S, A novel, biocompatible nanostarch incorporated Polyaniline-Polyvinyl alcohol-Nanostarch hybrid scaffold for tissue engineering applications, *European Polymer Journal*, ISSN 0014-3057, 2022, Volume 178, pp 111448.
111. **Sugantha Kumari V**, Switha D, Khaleel Basha S, Fabrication of conductive hybrid scaffold based on polyaniline/polyvinyl alcohol-chitosan nanoparticles for skin tissue engineering application, *Polymer Bulletin*, ISSN 0170-0839, 2022, Volume 80, pp 11439–11467.
112. **Sugantha Kumari V**, Switha D, Khaleel Basha S, In vitro cytocompatibility evaluation of nanostarch reinforced polyaniline-polyvinyl alcohol conductive bionanocomposites for skin tissue engineering application,, *J. Umm Al-Qura Univ. Appl. Sci*, ISSN 1658-8185, 2023, Volume 9, pp 252-259.
113. **Sugantha Kumari V**, Switha D, Khaleel Basha S, In Vitro Study of Biocompatible Hybrid Scaffold of Polyvinyl Alcohol–Polyaniline–Nanocellulose for Tissue Engineering Applications, *Chemistry Africa*, ISSN 2522-5758, 2022, Volume 6, pp 2087–2100.
114. **Sugantha Kumari V**, Shanmugapriya V, Khaleel Basha S, Kinetics and adsorption performance of biosorbent starch/poly(vinyl alcohol)/graphene oxide nanocomposite for the removal of dyes, *J. Umm Al-Qura Univ. Appl. Sci*, ISSN 1658-8185, 2023, Volume 9, pp 252-259.
115. Sangeetha Rani R, Lakshmanan AR, Sivakumar, V. Venkatasamy R, Annalakshmi O, Jose MT & Marimuthu KN. ‘Redox and charge transfer processes and luminescence in $\text{CaSO}_4\text{:Zn,Mn}$ ’, *Radiation Measurements*, May 2015, Vol. 76, pp. 8-16.
116. Sangeetha Rani R, & Lakshmanan AR. ‘The role of anion and cation vacancies in the thermoluminescence and photoluminescence processes of $\text{BaSO}_4\text{:Eu}^{2+}$ ’, *Journal of Luminescence*, June 2016, Vol. 174, pp. 63-69.
117. Sangeetha Rani R, Nandha Gopal J, Bhaskar Sanyal Marimuthu KN & Lakshmanan AR, ‘Role of flux and co-dopants on the luminescent properties of $\text{BaSO}_4\text{:Eu}^{2+}$ phosphor synthesized by Co-precipitation route’ *Radiation Effects and Defects in Solids*, Jan 2017, Vol. 172, pp. 379-397.
118. Lakshmanan AR, Sivakumar V, Sangeetharani R, Kalpana S. ‘Effect of anion interstitials on the thermoluminescent properties of $\text{CaSO}_4\text{:Dy}$ ’ *Journal of Luminescence*, Oct 2013, Vol. 142, pp. 212-219.

119. Sivakumar V, Lakshmanan AR, Sathish Kumar R, Kalpana S, Sangeetha Rani R, MT Jose. 'Preparation and characterization of yttrium-based luminescence phosphors' *Indian Journal of Pure and Applied Physics*, Mar 2012, Vol. 50(2) pp.123-128.
120. Sivakumar V, Lakshmanan AR, Kalpana S, Sangeetharani R, Kumar RS, Jose MT, 'Low-temperature synthesis of $\text{Zn}_2\text{SiO}_4\text{:Mn}$ green photoluminescence phosphor' *Journal of Luminescence*, Aug 2012, Vol. 132 (8), pp. 1917-1920.
121. HemdaBaabur, **Subashini Dayalan**, Inbal Shumacher, Rivka Cohen-Luria and Gonen Ashkenasy, 'Artificial Leucine Rich Repeats as New Scaffold for Protein Design', **Bioorganic & Medicinal Chemistry Letters**, March- 2011, Vol. 21, Issue 8, pp 2372-2375.
122. **Subashini D** and Pandurangan A, 'Synthesis and characterization of Mn-MCM-41 molecular sieves-Its catalytic application for the growth of carbon nanotubes', **Journal of Nanoscience and Nanotechnology**, September - 2009, Vol. 9, Issue 9, pp 55555560.
123. **Subashini D** and Pandurangan A, 'Synthesis of mesoporous molecular sieves as catalytic template for the growth of single walled carbon nanotubes', **Catalysis Communications**, November - 2007, Vol. 8, Issue 11, pp 1665–1670.
124. Somanathan T, Pandurangan A, **Subashini D** and Sathiyamoorthy D, 'Growth of single walled carbon nanotubes over Co-MCM-41 mesoporous MCM-41 molecular sieves', **Indian Journal of Pure and Applied Physics**, February - 2006, Vol. 44, pp 173-176.
125. Lakshmi R and Sasikumar S. 'Morphological influence of hydroxyapatite nucleation on the surface of nano crystalline wollastonite – a invitro study', *International Journal of Nanomedicine*, October – 2015, Vol. 10, pp 129-136.
126. Lakshmi R, Velmurugan V and Sasikumar S. 'Preparation and phase evolution of wollastonite by sol-gel combustion method using sucrose as the fuel', *Combustion Science and Technology*, November – 2013, Vol. 185, pp1777–1785.
127. Manohar Reddy P, Ravy Lakshmi, Febin Prabhu Das and Swamiappan Sasikumar. 'Synthesis, characterization and formulation of sodium calcium silicate bioceramic for drug delivery applications', *Science and Engineering of Composite Materials*, December – 2014, Vol. 23, pp 1-5.
128. Lakshmi R and Sasikumar S. 'Synthesis and characterization studies of bioactive wollastonite by sol-gel combustion method by using citric acid as a fuel', *Advanced Materials Research*, October – 2012, Vol. 584, pp 479-483.
129. Lakshmi R and Sasikumar S. 'Bioactive Wollastonite synthesized by Sol-Gel Combustion method by using tartaric acid as a fuel for Bone regenerative applications', *Journal of Indian Chemical Society*, May – 2015, Vol. 92, pp 634 – 636.
130. Lakshmi R, Rajan Choudhary, Deepalekshmi Ponnammam, Kishor Kumar Sadasivuni, Sasikumar Swamiappan. 'Wollastonite Composite Scaffolds Offer Better Surface for Hydroxyapatite Formation', *Bulletin of Materials Science*, June 2019, Vol. 42, pp 107.
131. Rajan Choudhary, Anuj Kumar, Vijay Nag Ellapani, Baruah Trinayan, Muruganandam Loganathan, Lakshmi Ravy, Vijayakumar Vijayaparthasarathi, Amit Mah indrakar Babura, Shantha Kumar, Deepalekshmi Ponnammam, Kishor Kumar Sadasivuni and Sasikumar Swamiappan. 'Production of Biodiesel from Soyabean Oil in Less Time and at Low Temperature', July – 2022, *Asian Journal of Chemistry*, Vol.34, No. 8, pp 2173-2177.
132. Lakshmi R, Rajan Choudhary, Fedor Senatov, SergeyKaloshkin, Shobana Kothandam,Deepalekshmi Ponnammam, Kishor Kumar Sadasivuni and Sasikumar Swamiappan 'Wollastonite / Polycaprolactone composites', *International Journal of Nano and Biomaterials*, June - 2023, Vol. 10, No. 2.

133. **E. Radha** and P. N. Sudha Synthesis and Characterization of Glutaraldehyde Crosslinked Chitosan Oligosaccharide-Graftglycidylmethacrylate/Poly Propylene Glycol Blend. *World Journal of Pharmaceutical Research*, February 2018, ISSN 2277–7105, Vol 7, Issue 4, pp 1-15.
134. **E. Radha** and P. N. Sudha (2018). Modification and Characterization of Chitosan Oligosaccharide. *International Journal of Pharmacy and Biological Sciences*, October 2018, ISSN: 2230-7605, Vol 8, issue 4, pp90-95.
135. **E. Radha** and P. N. Sudha. Removal of Lead (II) Ions from Aqueous Solution onto Chitosan Oligosaccharide-G- Glycidylmethacrylate / Polypropylene Glycol-Glutaraldehyde Blend. *International Journal of Pharmacy and Biological Sciences*, April 2019, ISSN: 2230-7605, Vol 9, Issue 2, pp314-320.
136. **E.Radha**, T.Gomathi, P.N.Sudha and S. Sashikala. Cadmium (II) ion removal from aqueous solution using Chitosan Oligosaccharide based blend. *Polymer Bulletin*, February 2021, ISSN No 1436 2449, Vol 78, Issue 1.
137. **E. Radha**, T. Gomathi, P.N. Sudha, Srinivasan Latha, Ayman. A.Ghfar, Nazia Hossain (2021). Adsorption studies on removal of Pb(II) and Cd(II) ions using chitosan derived copolymer blend. *Biomass conversion and Biorefinery*, September 2021, ISSN No 2190 6823.
138. **Rajalakshmi V**, Vijayaraghavan V R, Babu Varghese and Raghavan A., 'Novel Michael addition products of bis (amino acidato) metal (II) complexes: Synthesis, characterization, dye degradation, and oxidation properties', *Inorganic Chemistry*, ISSN 0020-1669, August 2008, Vol. 47, Issue 13, pp 5821-5830.
139. **D. Switha**, S. K. Basha, V.S. Kumari, A novel, biocompatible nanostarch incorporated Polyaniline-Polyvinyl alcohol-Nanostarch hybrid scaffold for tissue engineering applications, *European Polymer Journal*. ISSN 0014-3057, 2022, Volume 178, pp 111448.
140. **D. Switha**, S. K. Basha, V.S. Kumari, Fabrication of conductive hybrid scaffold based on polyaniline/polyvinyl alcohol–chitosan nanoparticles for skin tissue engineering application. *Polymer Bulletin*. ISSN 0170-0839, 2022, Volume 80, pp 11439–11467.
141. **D. Switha**, S. K. Basha, V.S. Kumari, Biopolymeric nanocomposite scaffolds for nerve tissue engineering applications: A review. *Journal of Applied Chemical Science International*. International, ISSN: 2395-3713 (O), 2022, Volume 55, pp 101452.
142. **D. Switha**, S. K. Basha, V.S. Kumari, *In vitro* cytocompatibility evaluation of nanostarch reinforced polyaniline-polyvinyl alcohol conductive bionanocomposites for skin tissue engineering application. *Journal of Umm Al-Qura Univ. Appl. Sci*, ISSN 1658-8185, 2023, Volume 9, pp 252-259.
143. **D. Switha**, S. K. Basha, V.S. Kumari, *In vitro* Study of Biocompatible Hybrid Scaffold of Polyvinyl Alcohol–Polyaniline–Nanocellulose for Tissue Engineering Applications. *Chemistry Africa*. ISSN 2522-5758, 2022, Volume 6, pp 2087–2100.