

Dr.I.Ganesh Moorthy

International Journals Publications:

1. Ronaldo Anuf, A, Ganesh Moorthy, I., Shyam Kumar, R., Prakash Maran, J., & Shivamathi, C. S. Process optimization of microwave assisted alkali pretreatment for enhanced delignification of Prosopis juliflora biomass. Environmental Progress & Sustainable Energy. (DOI: 10.1002/ep.13289)
2. Sivarajasekar N, Balasubramani K, Baskar R, Sivamani S, and Ganesh Moorthy I.,2018. Eco-Friendly Acetaminophen Sequestration using waste cotton seeds: Equilibrium, Optimization and Validation studies.Journal of water chemistry and Technology,2018,40(6),pp. 334-342(SCI Journal – Impact Factor – 0.388)
3. Selvaraja R., Ganesh Moorthy I, Vinoth Kumar R., Sivasubramanian V., 2019. Microwave mediated production of FAME from waste cooking oil: Modelling and optimization of process parameters by RSM and ANN approach.Fuel, 237, pp. 40 – 49(SCI Journal – Impact Factor – 4.908)
4. Jawaharraj, K., Karpagam, R., Ashokkumar, B., Kathiresan, S., Ganesh Moorthy I., Arumugam, M. and Varalakshmi, P., 2017. Improved biomass and lipid production in Synechocystis sp. NN using industrial wastes and nano-catalyst coupled transesterification for biodiesel production. Bioresource technology, 242, pp.128-132. (SCI Journal – Impact Factor – 4.917)
5. Ponmurugan, K., Al-Dhabi, N.A., Maran, J.P., Karthikeyan, K., Ganesh Moorthy I., Sivarajasekar, N. and Manoj, J.J.B., 2017. Ultrasound assisted pectic polysaccharide extraction and its characterization from waste heads of Helianthus annuus. Carbohydrate polymers, 173, pp.707-713. (SCI Journal – Impact Factor – 4.811)
6. Kanimozhi, J., Ganesh Moorthy I.,Sivashankar, R. and Sivasubramanian, V., 2017. Optimization of dextran production by Weissellacibaria NITCSK4 using Response Surface Methodology-Genetic Algorithm based technology. Carbohydrate polymers, 174, pp.103-110. (SCI Journal – Impact Factor – 4.811)
7. Maran, J.P., Priya, B., Al-Dhabi, N.A., Ponmurugan, K., Ganesh Moorthy I. and Sivarajasekar, N., 2017. Ultrasound assisted citric acid mediated pectin extraction from industrial waste of Musa balbisiana. Ultrasonicsonochemistry, 35, pp.204- 209. (SCI Journal – Impact Factor – 4.556)
8. Ganesh Moorthy I., Maran, J.P., Ilakya, S., Anitha, S.L., Sabarima, S.P. and Priya, B., 2017. Ultrasound assisted extraction of pectin from waste Artocarpusheterophyllus fruit peel. Ultrasonicsonochemistry, 34, pp.525-530. (SCI Journal – Impact Factor – 4.556)
9. Vinoth Kumar, R., Ganesh Moorthy, I. and Pugazhenth, G., 2017. Separation of BSA through FAU-type zeolite ceramic composite membrane formed on tubular ceramic support: Optimization of process parameters by hybrid response surface methodology and biobjective

genetic algorithm. *Preparative Biochemistry and Biotechnology*, 47(7), pp.687-698. (SCI Journal – Impact Factor – 3.84)

10. Kumar, R.V., Ganesh Moorthy I. and Pugazhenth, G., 2015. Modelling and optimization of critical parameters by hybrid RSM-GA for the separation of BSA using a tubular configured MFI-type zeolite microfiltration membrane. *RSC Advances*, 5(106), pp.87645-87659. (SCI Journal – Impact Factor – 3.108)

11. Ganesh Moorthy I., Maran, J.P., Muneeswari, S., Naganyashree, S. and Shivamathi, C.S., 2015. Response surface optimization of ultrasound assisted extraction of pectin from pomegranate peel. *International journal of biological macromolecules*, 72, pp.1323-1328. (SCI Journal – Impact Factor – 3.096)

12. Sivarajasekar, N., Mohanraj, N., Balasubramani, K., Marand, J.P., Ganesh Moorthy I., Karthik, V. and Karthikeyan, K., 2017. Optimization, equilibrium and kinetic studies on ibuprofen removal onto microwave assisted-activated *Aegle marmelos* fruit shell. *Desalination and Water Treatment*, 84, pp.48-58. (SCI Journal – Impact Factor– 1.631)

13. Saravanakumar, S.S., Kumaravel, A., Nagarajan, T. and Ganesh Moorthy I., 2014. Investigation of physico-chemical properties of alkali-treated *Prosopis juliflora* fibers. *International Journal of Polymer Analysis and Characterization*, 19(4), pp.309-317. (SCI Journal – Impact Factor – 1.487)

14. Saravanakumar, S.S., Kumaravel, A., Nagarajan, T. and Ganesh Moorthy I., 2014. Effect of chemical treatments on physicochemical properties of *Prosopis juliflora* fibers. *International Journal of Polymer Analysis and Characterization*, 19(5), pp.383-390. (SCI Journal – Impact Factor – 1.487)

15. Selvaraj, R., Praveenkumar, R. and Ganesh Moorthy I., 2016. A comprehensive review of biodiesel production methods from various feedstocks. *Biofuels*, pp.1-9. (SCI Journal – Impact Factor – 0.784)

International Conference: 46

1. Abinaya S. R., Rohitha Thangam K., Santhiya A., Shyam kumar R., Ganesh Moorthy I. "Environmental Bio-Refinery Approach using microalgae for sustainable Biofuel Production" Proceedings on Fourth international conference on Bioenergy, Environment, & sustainable Technologies BEST2019, PP 18, 2019. (Conference Sponsored by DBT)

2. Kavinkumar A.K., Siby M., Shivamathi C.S., Shyamkumar R. and Ganesh Moorthy I. "Extraction of pectin and Bioethanol From *Musa acuminata* Peel and its characterization: A Focus on biorefinery Approach" Proceedings on Fourth international conference on Bioenergy, Environment, & sustainable Technologies BEST2019, PP 18, 2019. (Conference Sponsored by DBT)

3. Sridevi N., Ganesh Moorthy I., Sanjeeva N., Shyam Kumar R. "Isolation And Characterization Of Endolichenic Actinomycetes From Lichen *Leptogium austroamericanum* (Malme) C.W. Dodge

With Special Reference To Eastern Ghats, Tamil Nadu"Proceedings on First international conference on Contemporary research trends in mycology and mycotechnology",PP ,2019

4. Muthu Kumar.T, Mathews Lurth Raj.D, Shakena Fathima.T, Ganesh Moorthy.I, Dhanasekaran.D, Shyam Kumar.R,Thajuddin.N. "Development of media formulation for isolation of lichen associated actinomycetes"PP,2019

5. Mathews Lurth Raj.D, Shakena Fathima.T, Karthikumar S, Ganesh Moorthy.I, Dhanasekaran.D, Shyam Kumar.R, Thajuddin.N. "studies on antimicrobial compounds isolated from coastal lichen associated actinomycetes" PP,2019

6. Kanimozhi.J, Sivasubramanian,V, Ganesh Moorthy.I, AnantAchary. "Influence of high molecular weight dextran producing weissellacibaria NITCSK4 in bread technology."Proceedings onInternational conference on Recent Advances in Food Processing Technology IIFPT'18, pp. 435, 2018. (Conference Sponsored by DBT, SERB)

7. Shivamathi. C S, Ronaldo Anuf.A. Shyam Kumar. R, Ganesh Moorthy I. "Optimization and ultrasound assisted extraction of pectin from prickly pear cactus peel." Proceedings on International conference on Recent Advances in Food Processing Technology IIFPT'18, pp. 51, 2018(Conference Sponsored by DBT, SERB)

8. Vanaja.S, Ronaldo Anuf.A, Ponmurugan.K, Karthikumar.S, Ganesh Moorthy. I, Sivakumar.N, Shyam Kumar. R. "Extraction, Purification, Characterization of Polysaccharides from Lichen Parmotremaindicum (Hale) for Nutraceutical application."Proceedings on International conference on Recent Advances in Food Processing Technology IIFPT'18, pp. 122, 2018(Conference Sponsored by DBT, SERB)

9. Nivethitha.V.B, Aravind.K, Shyam Kumar.R, Ganesh Moorthy.I, Ronaldo Anuf.A. "Evaluation of antioxidant and anticancer potential of polyphenols from fruit peels of PithecellobiumdulceBenth."Proceedings on International conference on Recent Advances in Food Processing Technology IIFPT'18, pp.288, 2018(Conference Sponsored by DBT, SERB)

10. Michael Rahul Soosai, and Ganesh Moorthy I. "Technological Advances for the Treatment of Anionic and Cationic Dye: A Comprehensive Review." Proceedings on 4th International Conference on Innovations in Biotechnology, Civil & Mechanical Science ICIBCMS'18, pp. 43, 2018

11. S. R. Abinaya Sri, K. RohithaThangam, A. Santhiya, M. A. Sundaramahalingam, &Ganesh Moorthy I. "Production of Biodiesel from Selective Non-Edible Seed" Proceedings on 4thInternational Conference on Innovations in Biotechnology, Civil & Mechanical Science ICIBCMS'18, pp. 31, 2018

12. M. Ponmanian, R. Suriya Kumar, S. Vishnu Prasad, M. A. Sundaramahalingam, Michael Rahul Soosai, Ganesh Moorthy I., "Integrated Membrane and Mycoremediation Technology for the Treatment of Textile Indsutry Effluent Treatment" Proceedings on 4th International Conference on Innovations in Biotechnology, Civil & Mechanical Science ICIBCMS'18, pp. 44, 2018

13. C. S. Shivamathi, R. Shyam Kumar, A. Ronaldo Anuf and Ganesh Moorthy I. "Physicochemical Characterization Studies of Pectin Extracted from Various Fruit Wastes." Proceedings on 4th International Conference on Innovations in Biotechnology, Civil & Mechanical Science ICIBCMS'18, pp. 45, 2018
14. A.R. ArunMadhavan, J. Tamilselvan, S.K. Sudharsan, P. Sivasankari, R. Shyam Kumar, S. Karthi Kumar and Ganesh Moorthy I. "Isolation Of Micro Algae from Marine Samples and Screening of Media Components Using Optimization Tools for Production of Bio Fuels" Proceedings on 4th International Conference on Innovations in Biotechnology, Civil & Mechanical Science ICIBCMS'18, pp. 46, 2018
15. Mathews Lurth Raj. D, M. Zubaitha Maryam, Ganesh Moorthy. I, Dhanasekaran. D, SanjeevaNayaka, Shyam Kumar. R, Thajuddin. N "An assessment of coastal lichen diversity and distribution in Kanyakumari district, Tamil Nadu, India" Proceedings on 4th International Conference on Innovations in Biotechnology, Civil & Mechanical Science ICIBCMS'18, pp. 42, 2018
16. A. Ronaldo Anuf, Ganesh Moorthy I., Prakash Maran J, R. Shyam Kumar, Sivasubramanian V and Kanimozhi J, "Process optimization of microwave assisted acid pretreatment of Prosopisjulifora Biomass for Bioethanol Production" Proceedings on 1st International Conference on Energy and Environment: Global Challenges (ICEE 2018), pp. 76,2018
17. LakshmiPriya B, Suhashini G, Vanaja S, Sundaramahalingam M A, Ronaldo Anuf. A, Ganesh Moorthy I, Shyam Kumar R "Characterization of Polysaccharides from Exudates of Araucariacolumnaris (J.R.Frost.) Hook" Proceeding of International Conference on Biotechnology, Biomedical Sciences and Environment, pp. 10, 2018
18. M. A. Sundaramahalingam , S. R. Abinaya Sri, K. RohithaThangam, A. Santhiya&Ganesh Moorthy I. "Production of Biodiesel from Anacardiumoccidentale kernel oil (cashew shell oil)" Proceeding of International Conference on Biotechnology, Biomedical Sciences and Environment, pp. 83, 2018
19. ThabithaZelin Rachel. V, Gomathi. K, Maheshwari. G, Naif Abdullah A. Dhab, Ponmurugan. K, Ganesh Moorthy. I, Ronaldo Anuf. A, Shyam Kumar. R "Production and Characterization of Extracellular Polysaccharides From Endolichenic Bacteria" Proceeding of International Conference on Biotechnology, Biomedical Sciences and Environment, pp. 88, 2018
20. Vanaja. S, Suhashini. G, Naif Abdullah A. Dhab, Ponmurugan. K, Ganesh Moorthy. I, Ronaldo Anuf. A, Shyam Kumar. R "Optimization of Polysaccharides Extraction from Lichen Parmotremaindicum Hale. through Statistical Approach" Proceeding of International Conference on Biotechnology, Biomedical Sciences and Environment, pp. 94, 2018
21. R. Selvaraj, G. Adaikalaselvan, Ganesh Moorthy I. "Effect of two catalysts on fatty acid methy conversion from waste cooking oil using microwaves techniques" Proceeding of 2nd International Conference on recent trends in Science, Engineering and Management (ICRTSEM – 2018), pp. 36, 2018

22. Selvaraj Ranganathan, Praveen Kumar Ramanujam, Ganesh Moorthy I. "Optimization and Analysis of Microwave mediated Fatty Methyl Ester Production from Waste cooking oil as edible feedstock using Box Behnken design of Response Surface methodology" Proceeding of Recent advancements in the field of Bioenergy and Bioproducts (RABB – 17), pp. 69, 2017.
23. Vanaja. S, Narayanasamy P., Ronaldo Anuf. A, Ponmurgan. K, Ganesh Moorthy. I, Shyam Kumar. R "High performance natural cellulosic fiber as fiber composites from pods of *Cajanus cajan*" Proceeding of Recent trends in Bioprocessing for Healthcare, Energy and Environment, IIT Guwahati, pp. 105, 2017
24. Sivasankari P, AbarnaPriya M S, Shyam Kumar R and Ganesh Moorthy I. "Optimization of media components for high biomass production of marine Cynobacteria using statistical approach." Proceeding of Recent trends in Bioprocessing for Healthcare, Energy and Environment, IIT Guwahati, pp. 113, 2017
25. Sundaramahalingam M.A, Shyam Kumar R, Ronaldo Anuf A and Ganesh Moorthy I. "Ultrasound assisted extraction of oil from *Annonasquamosa*(custard apple) for biodiesel production" Proceeding of 3rd International conference on Bioenergy, Environmental and Sustainable Technologies in association with BRSI and IFIBiop, pp.21, 2017
26. Ronaldo Anuf A, Vinitha P, Priyanka R, Varshini C, Shyam Kumar R and Ganesh Moorthy I."Optimization of Microwave assisted acid pretreatment for bioethanol production from *Prosopisjuliflora*" Proceeding of 3rd International conference on Bioenergy, Environmental and Sustainable Technologies in association with BRSI and IFIBiop, pp.22, 2017
27. AbarnaPriya M.S, Gayathri Devi R, Kameshwari B, Ganesh Moorthy I, Shyam Kumar R and Ronaldo Anuf A "Effect of alkaline pretreatment on delignification of *Acacia nilotica*" Proceeding of 3rd International conference on Bioenergy, Environmental and Sustainable Technologies in association with BRSI and IFIBiop, pp.42, 2017
28. Ronaldo Anuf A, Manisha R, Jeyapriya S, Shyam Kumar R and Ganesh Moorthy I."Ultrasound assisted alkaline pretreatment of lignocellulosic biomass of *Prosopisjuliflora*" Proceeding of 3rd International conference on Bioenergy, Environmental and Sustainable Technologies in association with BRSI and IFIBiop, pp.43, 2017
29. Ganesh Moorthy I, AnantAchary A, Shyam Kumar R and Baskar R. "Separation of alkaline protease by foam fraction technique: Statistical modeling and optimization" Proceeding of IFIBiop, DBT, NEERI and CSIR sponsored International Conference on Current trend in Biotechnology in association with BRSI, pp.158, 2016
30. Selvaraj R, Chandru N, Janani K and Ganesh Moorthy I. "Adsorption of free acid from waste cooking oil for the biodiesel production" Proceeding of IFI Biop, DBT, NEERI and CSIR sponsored International Conference on Current trend in Biotechnology in association with BRSI, pp.242, 2016
31. Dhaslima Nasreen M, Abinaya S, Prema N, Ronaldo Anuf A, Shyam Kumar R and Ganesh Moorthy I. "Potential enzyme consortium for the production of bioethanol from *Acacia*

niloticabiomass” Proceeding of IFIBiop, DBT, NEERI and CSIR sponsored International Conference on Current trend in Biotechnology in association with BRSI, pp.245, 2016

32. Sharon Joenita T, Ram Kumar A, RoaldoAnuf A, Ganesh Moorthy I, SanjeevaNayaka and Shyam Kumar R. “Effect of extraction process on Anti-Inflammatory activity of Lichen Parmotremachinense” Proceeding of IFI Biop, DBT, NEERI and CSIR sponsored International Conference on Current trend in Biotechnology in association with BRSI, pp.355, 2016

33. Sridevi N, Ronaldo Anuf A, Karthikumar S, Ganesh Moorthy I and Shyam Kumar R. “Streptomyces Spp. Isolated from Lichen Driniariaaegialita(Afzel. Ex Ach.) B.J. Moore and screening of its Bioactivity”. Proceeding of ICMR, DBT and INSA sponsored International conference on cancer biology: drug discovery and Novel therapeutics, pp.133, 2016

34. Ram Kumar A, Ronaldo Anuf A, Ganesh Moorthy I, Ponmurugan K and Shyam Kumar R. “Lichen pigments as an effective Anticancer agent against Leukemia”. Proceeding of ICMR, DBT and INSA sponsored International conference on cancer biology: drug discovery and Novel therapeutics, pp.138, 2016

35. Sharon Joenita, T, Ronaldo Anuf, A, Ganesh Moorthy, I, Ponmurugan, K, SanjeevaNayaka and Shyam Kumar, R. “Distribution of Lichens in Santhanpara, Kerala”, Proceedings of ICMR and DBT, New Delhi sponsored International conference on biodiversity and bioactive natural products for human welfare, pp.9, 2016.

36. JencyBavithra, J, Aswani, T, Aswanti, MT, Ronaldo Anuf, A, Ponmurugan, K, Ganesh Moorthy I and Shyam Kumar, R. “Rapid identification of Streptomyces isolates by matrix assisted laser desorption ionization-Time of flight Mass Spectrometry (Maldi-Tof MS)”, Proceedings of ICMR and DBT, New Delhi sponsored International conference on biodiversity and bioactive natural products for human welfare, pp.18, 2016. (Won Best Oral Presentation Award)

37. Aswani, T, Aswanti, MT, Ponmurugan, K, Ganesh Moorhty, I. and Shyam Kumar, R. “Isolation of Endo-lichenic Bioactive Streptomyces spp. from Dirinariaaegialita”, Proceedings of DBT, New Delhi sponsored International Conference on Converging Biotechnological Innovations for Health, Food and Environmental Welfare, pp.7, 2015.

38. Selvaraj, R, Praveen Kumar, R. and Ganesh Moorthy, I. “Comparison of Transesterification of waste cooking oil by conventional and Microwave method”, Proceedings of DBT, New Delhi sponsored International Conference on Converging Biotechnological Innovations for Health, Food and Environmental Welfare, pp.166, 2015.(Won Best Poster Presentation Award)

39. Jeyapriya, S, Mainsha, R, Abinaya, S. and Ganesh Moorthy, I. “Conversion of green wastes for bioethanol production – Overview”, Proceedings of DBT, New Delhi sponsored International Conference on Converging Biotechnological Innovations for Health, Food and Environmental Welfare, 2015.

40. Ronaldo Anuf, A, Ramaraj, K, Rajesh, R, Shyam Kumar, R. and Ganesh Moorthy, I. “Synergistic effect of ethanolic extract of Plumbagorosea: Antioxidant activity and

Antiproliferative effects on L929 cell lines”, Proceedings of International Conference on New Horizons in Biotechnology, pp.143-144, 2015.

41. Shahila, S, Bavithra, M, Ramyasri, T, Ronaldo Anuf, A, Ganesh Moorthy I, Ponmurugan, K. and Shyam Kumar, R. “Biosynthesis of Tio₂ nanoparticles using lichen Parmotrema austrosinense and its antimicrobial effect on plant pathogen”, Proceedings of International Conference on New Horizons in Biotechnology, pp.199, 2015.

42. Sri ShailaPurna, K, Ganesh Moorthy, I, Shyam Kumar, R, Shajahan, S, Saravanakumar, SS. and Narendhar, C. “Preparation of eco-friendly biodegradable Alginate/Silver nanocomposite films”, Proceedings of International conference on natural polymers and biomaterials, pp. 48-49, 2015.

43. Ramaraj, K, Sheik Alavudeen, J, Arunraj, A, Ganesh Moorthy, I, ShunmugaPriya, V. and Ronaldo Anuf, A. “Treatment of Organic Pollutants in Industrial Effluent Using Electrocoagulation – A Review”, Proceedings of International Conference on Emerging Trends in Engineering and Technology, pp.314, 2015.

44. Shamel, G, Ganesh Moorthy, I. and Geetha, K. “Optimization and production of pectinase using agroindustrial residues by Bacillus cereus GNKCET pec+”, Proceedings of International conference on advances in Biotechnology, Civil & Mechanical Science, pp.104, 2015.

45. NaseebaNihar, U, Vasanthi, M. and Ganesh Moorthy, I. “Antidiabetic property of Oxalis corniculata through inhibition of alpha glucosidase activity – An invitro approach”, Proceedings of International conference on advances in Biotechnology, Civil & Mechanical Science, pp.108-109, 2015.

46. Guru Vignesh, M, Jeevan, KR, Paramasivan, T, Ganesh Moorthy, I. and Geetha, K. “Bacterial Proteases: Optimization, production and its application for feather degradation”, Proceedings of International conference on advances in Biotechnology, Civil & Mechanical Science, pp.121-122, 2015.

National Conference: 35

1. Tamilselvan J, Ganesh Moorthy I, (2019) "Optimisation of extraction condition of polysaccharides from the agriculture biomass for the production of biofuels" Poster presented in Insect 2k19, CECRI Karaikudi

2. Ancy A, Dhana Prabhaa S, Michael Rahul Soosai and Ganesh Moorthy I (2019) ""Crystal Violet dye degradation in aqueous Solution by Electrochemical degradation" Paper presented in Insect 2k19, CECRI Karaikudi(Won First Prize)

3. Shivamathi C.S, Ganesh Moorthy I, Prakash Maran J, Shyam Kumar R. “Optimization and ultrasound assisted extraction of pectin from pineapple peel”proceedings on National seminar on Nutraceuticals and Functional Foods,IIFPT,pp27,2019

4. Nivedha.K, Rudraadevi.A, Deepshiya.M, ThabithaZelinRachel.V, Gomathi. K, Maheshwari.G, Ponmurugan. K, Ganesh Moorthy. I, Ronaldo Anuf.A, Shyam Kumar.R. “Antioxidant and anti-

Inflammatory properties of Extracellular Polysaccharides from Endolichenic Bacteria.” Proceedings on National conference on New Frontiers in Biotechnology, KalasalingamAcadamy of Research and Education, 2018.

5. D. Mathews Lurth Raj, M Zubaitha Maryam, Ganesh Moorthy I, D Dhanasekaran, R Shyam Kumar and N Thajuddin "Diversity and distribution of Lichen in coastal region of Karaikal, Nagapattinam and Thiruvavur district of Tamil Nadu, India" Proceedings on National conference on current developments and next generation Lichenology, pp.85, 2018

6. A. Ronaldo Anuf, A. K. Kavin Kumar, M. Siby, J. Vinith, R. Shyam Kumar and Ganesh Moorthy I., "Statistical Optimization of Process Parameters for Simultaneous Saccharification and Fermentation of Lignocellulosic Biomass for Bioethanol Production." Proceeding of the National Conference on Innovations in Biotechnology [NCIB 2017], pp. 29, 2017

7. S. Vanaja, M. A. Sundaramahalingam, A. Ronaldo Anuf, Ganesh Moorthy I., N. Sivakumar and R. Shyam Kumar "Optimization of Extraction Parameters of Polysaccharides from Lichen Parmotrema indicum(Hale)." Proceeding of the National Conference on Innovations in Biotechnology [NCIB 2017], pp. 34, 2017

8. K. Nivetha, A. P. Rudhraadevia, M. Deepshiya, A. Ronaldo Anuf, Ganesh Moorthy I., P. Narayanasamy, and R. Shyam Kumar. "Characterization of Musa spp. Blossom Petal Waste: A potential Source of Natural Fibers." Proceeding of the National Conference on Innovations in Biotechnology [NCIB 2017], pp. 97, 2017

9. C. S. Shivamathi, R. Shyam Kumar, A. Ronaldo Anuf and Ganesh Moorthy I. "Optimization of Microwave Assisted Extraction of Pectin from Custard Apple (Annona squamosa) Peel." Proceeding of the National Conference on Innovations in Biotechnology [NCIB 2017], pp. 103, 2017

10. Vanaja. S, Suhashini. G, Lakshmi Priya. B, Ronaldo Anuf. A, Ganesh Moorthy. I, Sivakumar, Naif Abdullah A, Dhahi, Ponmurugan.K, Shyam Kumar.R "Biology of Lichen polysaccharides and its Applications - a Review" Proceeding of the National Conference on Innovations in Biotechnology [NCIB 2017], pp. 64, 2017

11. M. A. Sundaramahalingam, S. Vanaja, C. S. Shivamathi, P. Sivasankari, A. Ronaldo Anuf, Ganesh Moorthy I., R. Shyam Kumar, P. Narayanasamy "Characterization of noncellulosic fibre from Parmotrema sp. and their possibilities of using it as bio-buttreass" Proceeding of 3rd National Conference on Recent Advancements in Mechanical Engineering – RAME 17, pp. 47, 2017.

12. Sridevi N, Suhashini G, Lakshmi priya B, Aswani T, Aswani M T, Ronaldo Anuf A, Ganesh Moorthy I, Ponmurugan K, Shyam Kumar R "Diversity of Endo-microbiome community in Dirinaria aegialita (Ach.) B.J.Moore" Proceeding of National Conference on Microbial Biotechnology for Sustainable Agriculture and Food Safety (NMSFS-2017), pp. 31, 2017

13. Shivamathi C.S, Aswin Raj S, Shyam Kumar I, and Ganesh Moorthy I. "Production of pectin from fruit source and its characterization, applications- A Review", Proceeding on DBT

sponsored National conference on Biotechnology- New horizons and hopes 2016 (BNHH2016), pp.31, 2016

14. Ronaldo Anuf A, Priyanka R, Shyam Kumar R and Ganesh Moorthy I. "Optimization of acid pretreatment on delignification of *Prosopis juliflora*" Proceeding by National Conference on Futuristic Trends in Biotechnology and Computational Biology, pp.20, 2016

15. Ronaldo Anuf A, Dhasliman Nasreen C.M, Shyam Kumar R and Ganesh Moorthy I. "A review on enzyme consortium for production of bioethanol from lignocellulosic biomass" Proceeding by National level Technical Symposium, pp.32, 2016

16. Ronaldo Anuf A, Varshini C, Shyam Kumar R and Ganesh Moorthy I. "Review on economic aspect of pretreatment strategies of lignocellulosic biomass for the bioethanol production" Proceeding by National level Technical Symposium, pp.33, 2016

17. Ronaldo Anuf A, Jeyapriya S, Shyam Kumar R and Ganesh Moorthy I. "Factors influencing the enzymatic hydrolysis of lignocellulosic biomass for efficient bioethanol production: An overview" Proceeding by National level Technical Symposium, pp.34, 2016

18. Sundaramahalingam M.A, Shyam Kumar R and Ganesh Moorthy I. "Current technologies challenges and opportunities for the biodiesel production-An overview" Proceeding by National level Technical Symposium, pp.50, 2016 (Won First Prize in Oral Presentation Category)

19. Suriyakumar R, Ponmanian M, Vishuprasad S, Shyam Kumar R and Ganesh Moorthy I. "Progresses in the production of pectin from fruit waste and its application: A Review", Proceeding by National level Technical Symposium, pp.51, 2016. (Won Second Prize in Oral Presentation Category)

20. Ronaldo Anuf A, Priyanka R, Vinitha P, Varshini C, Shyam Kumar R and Ganesh Moorthy I, "Effect of acid pretreatment for bioethanol production from *Prosopis juliflora*" Proceeding by 8th National conference on Recent Advancements in Food Processing Technology (NCRAFT'16), pp.41, 2016.

21. Sharon Joenita T, HemaNanthini R.K, Ronaldo Anuf A, Ganesh Moorthy I, Manivannan G and Shyam Kumar R. "In-vitro evaluation of membrane stabilizing activity as a mechanism of the Anti-Inflammatory activity of Lichen *Parmotrema hababianum* (yeln.) hale" Proceeding by 8th National conference on Recent Advancements in Food Processing Technology (NCRAFT'16), pp.42 2016.

22. Sharon Joenita T, Jeya Cressida J, Ronaldo Anuf A, Ganesh Moorthy I, Manivannan G and Shyam Kumar R. "HRBC membrane stabilizing activity of Lichen" Proceeding by 8th National conference on Recent Advancements in Food Processing Technology (NCRAFT'16), pp.43 2016.

23. Sujani Sathiyakeerthana S, Ronaldo Anuf A, Ganesh Moorthy I, Shyam Kumar R, Rajarathinam K and Manivannan G. "MALDI-TIME of flight mass spectrometry-based identification of cultured phosphate solubilizing Bacteria isolated from Rhizosphere soil"

Proceeding by 8th National conference on Recent Advancements in Food Processing Technology (NCRAFT'16), pp.44 2016.

24. Kanimozhi, J, SanthanaBharathi, S, Ganesh Moorthy, I. and Sivasubramanian, V. "Screening of fermentation factors for dextran production by *Leuconostoc* sp. using statistical designs", Proceedings of DBT sponsored National conference on Contemporary trends in Bioenergy and Green Technology: Challenges and Opportunities in association with International Journal of Advanced Research in Biology, Engineering, Science and Technology, pp.10,vol.2(8), 2016.doi: 10.20238/IJARBEST.2016.S08020010(Won Best Oral Presentation Award)

25. Seenivasan, A, Shyam Kumar, R. and Ganesh Moorthy, I. "Microbial Production of Pigments and Its Application in Textile Dying Industries", Proceedings of DBT sponsored National conference on Contemporary trends in Bioenergy and Green Technology: Challenges and Opportunities in association with International Journal of Advanced Research in Biology, Engineering, Science and Technology, pp.92, vol.2(8), 2016.doi: 10.20238/IJARBEST.2016.S08020092

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27. Ronaldo Anuf, A, JencyBavithra, J, Shyam Kumar, R. and Ganesh Moorthy, I. "Effective biological delignification of noxious lignocellulosic substrate *Prosopisjuliflora* for bioethanol production with a newly isolated *Paecilomyces* species GARJ", Proceedings of DBT sponsored - First National Seminar on Recent Advancements in the field of Bioenergy and Bioproducts, pp.15,2015.(Won Second Prize in Oral Presentation Category)

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