



Research publications

**Publications 2023-24**

1. **Goveas LC, Nayak S, Vinayagam R, Selvaraj R, Pugazhendhi A.** Recent advances of Nano-photocatalysts involved in hydrogen production by water splitting. *Fuel*. 2023 Sep 15;348:128460. <https://doi.org/10.1016/j.fuel.2023.128460> Journal: *Fuel*, Q1, Scopus and Web of Science, H Index:243, Print ISSN: 0016-2361 Online ISSN: 1873-7153 CiteScore: 12.2 SNIP: , SJR: 1.36 , Impact Factor: 7.4 Journal Link: <https://www.sciencedirect.com/journal/fuel>
2. **Naaz S, Shet, V.B., Mubarak, N.B.,** Green synthesis of copper oxide nanoparticles: Characterization and applications for environmental and biomedical fields, *The Canadian Journal of Chemical Engineering*. 2023 Nov 28, <https://doi.org/10.1002/cjce.25142> ) Journal: *The Canadian Journal of Chemical Engineering*, Q2, Scopus, ISSN: 00084034, 1939019X, SJR: 0.44 H: Index: 75
3. **Soman S, Kulkarni S, Pandey A, Dhas N, Shirur KS, Gude RS, Vidya SM, Nayak S, George SD, and Mutalik S.** Unlocking the Power of MXenes—Crafting a 2D Nanoplatform for Tomorrow: Synthesis, Functionalization, Stability, and Biomedical Applications *Materials Today Communications*. 2023 Nov 29:107711. <https://doi.org/10.1016/j.mtcomm.2023.107711> Journal: *Materials Today Communication*, Q2, Scopus, Impact Factor: 3.8, H Index: 36, Cite Score: 4.1, SJR: 0.644, ISSN: 2352-4928 Journal Link: <https://www.sciencedirect.com/journal/materials-today-communications>
4. **Vinayagam, R., Nagendran, V., Goveas, L.C., Narasimhan, M.K., Varadavenkatesan, T., Chandrasekar, N. and Selvaraj, R.** Structural characterization of marine macroalgae derived silver nanoparticles and their colorimetric sensing of hydrogen peroxide, *Materials Chemistry and Physics*, Volume 313, 2024, <https://doi.org/10.1016/j.matchemphys.2023.128787>. Journal: *Materials Chemistry and Physics* Q1, Scopus and Web of Science, H Index: 170 ISSN: 02540584, CiteScore: 7.7 SNIP: 1.01, SJR: 0.75, Impact Factor: 4.6. Journal Link: <https://www.sciencedirect.com/journal/materials-chemistry-and-physics>
5. **Goveas, L.C., Selvaraj, R., Vinayagam, R. and Sajankila, S.P.,** 2023. Rhamnolipid assisted degradation of petroleum crude oil by indigenous *Pseudomonas* sp. WDE11 in seawater. *Journal of Environmental Chemical Engineering*, Volume 12, Issue 1, 2024, 111693, <https://doi.org/10.1016/j.jece.2023.111693> Journal: *Journal of Environmental Chemical Engineering* Q1, Scopus and Web of Science, H Index: 107 ISSN: 02540584, CiteScore: 9.5, SJR: 1.2, Impact Factor: 7.7, Journal Link: <https://www.sciencedirect.com/journal/journal-of-environmental-chemical-engineering>
6. **Goveas, L. C., Nayak, S., Kumar, P. S., Vinayagam, R., Selvaraj, R., & Rangasamy, G.** (2024). Recent advances in fermentative biohydrogen production. *International Journal of Hydrogen Energy*. Volume 54, Pg 200-217 <https://doi.org/10.1016/j.ijhydene.2023.04.208> Journal: Q1, Scopus and Web of Science, H Index:248, ISSN: , CiteScore: 12.1 SNIP:1.423 , SJR: 1.32, Impact Factor: 7.2, Journal Link: <https://www.sciencedirect.com/journal/international-journal-of-hydrogen-energy>
7. **Vinayagam R, Nagendran V, Goveas, L. C., Narasimhan M. K., Varadavenkatesan, T,**



**NITTE**  
EDUCATION TRUST

**NMAM INSTITUTE  
OF TECHNOLOGY**

**Samanth A, Selvara Rj**, (2024), Machine learning, conventional and statistical physics modeling of 2,4-Dichlorophenoxyacetic acid (2,4-D) herbicide removal using biochar prepared from *Vateria indica* fruit biomass, *Chemosphere*, Volume 350, <https://doi.org/10.1016/j.chemosphere.2024.141130> Journal: *Chemosphere*, Q1, Scopus and Web of Science, H Index: 265 ISSN: 0045-6535, CiteScore: 11.7, SNIP: 1.708, SJR: 1.632, Impact Factor: 8.943 Journal Link: <https://www.sciencedirect.com/journal/chemosphere>

### Publications 2022-23

1. **Goveas LC, Selvaraj R, Kumar PS, Vinayagam R, Sajankila SP**. Biodegradation kinetics and metabolism of Benzo (a) fluorene by *Pseudomonas* strains isolated from refinery effluent. *Chemosphere*. 2022 Aug 15:136041. <https://doi.org/10.1016/j.chemosphere.2022.136041>, Journal: *Chemosphere*, Q1, Scopus and Web of Science, H Index: 265 ISSN: 0045-6535, CiteScore: 11.7, SNIP: 1.708, SJR: 1.632, Impact Factor: 8.943 Journal Link: <https://www.sciencedirect.com/journal/chemosphere>
2. **Goveas LC, Selvaraj R, Sajankila SP**. Characterization of biosurfactant produced in response to petroleum crude oil stress by *Bacillus* sp. WD22 in marine environment. *Brazilian Journal of Microbiology*. 2022 September <https://doi.org/10.1007/s42770-022-00811-4> Journal: *Brazilian Journal of Microbiology*, Q3, Scopus and Web of Science, H Index: 70, Electronic ISSN: 1678-4405, Print ISSN: 1517-8382, Cite Score: 3.9, SJR: 0.497, SNIP: 1.114. Impact Factor: 2.476  
Journal Link: <https://www.springer.com/journal/42770>
3. **Bhat Agni M, Hegde PS, Ullal H, Damodara Gowda KM**. Nutritional efficacy of Astaxanthin in modulating orexin peptides and fatty acid level during adult life of rats exposed to perinatal undernutrition stress. *Nutritional Neuroscience*. 2022 Sep 21, 25(9):1-13 <https://doi.org/10.1080/1028415X.2022.2123184> Journal: *Nutritional Neuroscience*, Q1, Scopus, H Index: 63, ISSN: 1028-415X, Cite Score: 8.4, SJR: 0.718, SNIP:0.961, Impact Factor: 4.062 Journal Link: <https://www.tandfonline.com/doi/full/10.1080/1028415X.2022.2123184?scroll=top&needAccess=true>
4. **Nayak S, Goveas LC, Selvaraj R, Vinayagam R, Manickam S**. Advances in the Utilization of Carbon-Neutral Technologies for a Sustainable Tomorrow: A Critical Review and the Path Forward. *Bioresource Technology*. 2022 Oct 7, Vol. 364, 128073, <https://doi.org/10.1016/j.biortech.2022.128073> Journal: *Bioresource technology*, Q1, Scopus WOS, H Index: 317, Cite Score: 17.4, SJR: 2.35, SNIP: 2.06, ISSN: 09608524, Impact Factor: 11.889, Journal Link: <https://www.sciencedirect.com/journal/bioresource-technology>
5. **Chetan D. M, Raghavendra H. L, Ramesh S. Bhat, Narendra Kumar S, Venkatesh Kamath H**, Assessment of physicochemical characteristics of various water sources, 13(6), 2022 DOI: 10.47750/pnr.2022.13.S06.196 - Journal: *Journal of Pharmaceutical negative results*, Q4, Scopus, H Index: 6, SJR: 0.13, ISSN [0976-9234
6. **Vinayagam R, Ganga S, Murugesan G, Rangasamy G, Bhole R, Goveas LC, Varadavenkatesan T, Dave N, Samanth A, Devi VR, Selvaraj R**. 2, 4-Dichlorophenoxyacetic acid (2, 4-D) adsorptive removal by algal magnetic activated carbon nanocomposite. *Chemosphere*, Volume: 310, 2022, Oct 15:136883. <https://doi.org/10.1016/j.chemosphere.2022.136883>, Journal: *Chemosphere*, Q1, Scopus and Web of Science, H Index: 265 ISSN: 0045-6535, CiteScore: 11.7, SNIP: 1.708, SJR: 1.632, Impact Factor: 8.943 Journal Link: <https://www.sciencedirect.com/journal/chemosphere>



7. **Selvaraj R, Prabhu D, Kumar PS, Rangasamy G, Murugesan G, Rajesh M, Goveas LC, Varadavenkatesan T, Samanth A, Balakrishnaraja R, Vinayagam R.** Adsorptive removal of tetracycline from aqueous solutions using magnetic Fe<sub>2</sub>O<sub>3</sub>/activated carbon prepared from Cynometra ramiflora fruit waste. *Chemosphere*. 2022 Vol 310, pp. 136892. <https://doi.org/10.1016/j.chemosphere.2022.136892> Journal: *Chemosphere*, Q1, Scopus and Web of Science, H Index: 265 ISSN: 0045-6535, CiteScore: 11.7, SNIP: 1.708, SJR: 1.632, Impact Factor: 8.943 Journal Link: <https://www.sciencedirect.com/journal/chemosphere>
8. **Goveas LC, Nayak S, Vinayagam R, Show PL, Selvaraj R.** Microalgal remediation and valorization of polluted wastewaters for zero-carbon circular bioeconomy. *Bioresource Technology*. 2022, Vol 365, pp. 128169. <https://doi.org/10.1016/j.biortech.2022.128169> Journal: *Bioresource technology*, Q1, Scopus WOS, H Index: 317, Cite Score: 17.4, SJR: 2.35, SNIP: 2.06, ISSN: 09608524, Impact Factor: 11.889, Journal Link: <https://www.sciencedirect.com/journal/bioresource-technology>
9. **Chetan D. M1, Raghavendra H. L2, \*, Narendra Kumar S2, Venkatesh Kamath H4. Anilkumar HS** "Production and characterization of levan by bacteria found in solid wastes, *Journal of Neuroquantology* : Volume13: Special Issue. 6:2022, PAGE 3744-3752| DOI:10.14704/NQ.2022.20.12. NQ773701 Journal: *Journal of Neuroquantology* Q3, Scopus H Index: 21, SJR: 0.28 SNIP: 2.06, ISSN: 13035150, I
10. **Vinayagam R, Hebbar A, Kumar PS, Rangasamy G, Varadavenkatesan T, Murugesan G, Srivastava S, Goveas LC, Kumar NM, Selvaraj R.** Green synthesized cobalt oxide nanoparticles with photocatalytic activity towards dye removal from water environment. *Environmental Research*. 2022 Nov 9:114766. <https://doi.org/10.1016/j.envres.2022.114766> Journal: *Environmental Research*, Q1, Scopus and Web of Science, H Index: 149 ISSN: 00139351, 10960953 CiteScore: 9.1, Impact Factor: 8.431, SJR: 151 Journal Link: <https://www.sciencedirect.com/journal/environmental-research>
11. **Vinayagam R, Quadras M, Varadavenkatesan T, Debraj D, Goveas LC, Samanth A, Balakrishnan D, Selvaraj R.** Magnetic activated carbon synthesized using rubber fig tree leaves for adsorptive removal of tetracycline from aqueous solutions. *Environmental Research*. 2022 Nov 9:114775. <https://doi.org/10.1016/j.envres.2022.114775> , Journal: *Environmental Research*, Q1, Scopus and Web of Science, H Index: 149 ISSN: 00139351, 10960953 CiteScore: 9.1, Impact Factor: 8.431, SJR: 151 Journal Link: <https://www.sciencedirect.com/journal/environmental-research>
12. **Nayak S, Goveas LC, Selvaraj R, Mutalik S, Sajankila SP.** Use of *Cyclea peltata* mediated gold nanospheres for adsorptive degradation of methyl green dye. *Bioresource Technology Reports*. 2022 Oct 29:101261. <https://doi.org/10.1016/j.biteb.2022.101261> Journal: *Bioresource Technology Reports*, Q1, Scopus, H Index: 27, Cite Score: 6.2, SNIP: 0.837, ISSN: 2589014X, Journal Link: <https://www.journals.elsevier.com/bioresource-technology-reports>
13. **Vinayagam R, Murugesan G, Varadavenkatesan T, Bhole R, Goveas LC, Samanth A, Ahmed MB, Selvaraj R.** Algal biomass-derived nano-activated carbon for the rapid removal of tetracycline by adsorption: Experimentation and adaptive neuro-fuzzy inference system modeling. *Bioresource Technology Reports*. 2022 Nov 15:101291. <https://doi.org/10.1016/j.biteb.2022.101291> Journal: *Bioresource Technology Reports*, Q1, Scopus, H Index: 27, Cite Score: 6.2, SNIP: 0.837, ISSN: 2589014X, Journal Link: <https://www.journals.elsevier.com/bioresource-technology-reports>
14. **Vinayagam R, Kandati S, Murugesan G, Goveas LC, Baliga A, Pai S, Varadavenkatesan T, Kaviyarasu K, Selvaraj R.** Bioinspiration synthesis of hydroxyapatite nanoparticles using



- eggshells as a calcium source: Evaluation of Congo red dye adsorption potential. *Journal of Materials Research and Technology*. 2022. Vol 22, Pages 169-180, <https://doi.org/10.1016/j.jmrt.2022.11.093> Journal: *Journal of Materials Research and Technology* , Q1, Scopus, H Index: 59, Impact Factor: 6.267, Cite Score: 5.9, SNIP: 0.1.672, SJR: 0.964, ISSN: 2589014X, Journal Link: <https://www.sciencedirect.com/journal/journal-of-materials-research-and-technology>
15. **Navalgund L, Joshi K, Deshannavar U, Shet VB, Emani S, Velidi G.** Studies on removal of RBB and Safranin-O dyes from aqueous solution using concentrated acid treated red mud (CATRM) as adsorbent. *REVIEWS OF ADHESION AND ADHESIVES*. 2022 Aug 31;10(4). Journal: *REVIEWS OF ADHESION AND ADHESIVES* Link: <https://raajournal.com/menuscrypt/index.php/raajournal/article/view/318> Q3, Scopus, H Index: 16, ISSN: 2168-0965, E-ISSN: 2168-0973 Cite Score :2.5, SJR : 0.317, SNIP: 0.528
16. **Goveas, L.C., Nayak, S., Kumar, P.S., Rangasamy, G., Vidya, S.M., Vinayagam, R., Selvaraj, R.,** Vo, D.V.N., 2023. Microplastics occurrence, detection and removal with emphasis on insect larvae gut microbiota. *Marine Pollution Bulletin* 188, 114580. <https://doi.org/10.1016/J.MARPOLBUL.2023.114580> Journal: *Marine Pollution Bulletin* , Q1, Scopus, WOS, H Index: 193, Impact Factor: 7.001, Cite Score: 9.2, SNIP: 1.517, SJR: 1.508, Online ISSN: 1879-3363, Print ISSN: 0025-326X Journal Link: <https://www.sciencedirect.com/journal/marine-pollution-bulletin>
17. **Jathanna NN, Krishnamurthy GK, Paithankar JG, Hegde S, Goveas LC, Ravindranath BS, Gowdru M.** Phyto-bacterial biosorption of basic fuchsin: A self-sustainable approach towards bioremediation of contaminant of emerging concern. *Journal of Environmental Chemical Engineering*. 2023 Jan 14:109330 .<https://doi.org/10.1016/j.jece.2023.109330> Journal: *Journal of Environmental Chemical Engineering* , Q1, Scopus, WOS, H Index: 90, Impact Factor: 7.968, Cite Score: 7.7, SNIP: 1.354, SJR: 1.042, Online ISSN: 2213-3437, Print ISSN: 2213-2929 Journal Link: <https://www.sciencedirect.com/journal/journal-of-environmental-chemical-engineering>
18. **Goveas LC, Selvaraj R, Vinayagam R, Sajankila SP,** Pugazhendhi A. Biodegradation of benzo (a)pyrene by *Pseudomonas* strains, isolated from petroleum refinery effluent: Degradation, inhibition kinetics and metabolic pathway. *Chemosphere*. 2023 April, Vol 321, pp. :138066. <https://doi.org/10.1016/j.chemosphere.2023.138066> Journal: *Chemosphere*, Q1, Scopus and Web of Science, H Index: 265 ISSN: 0045-6535, CiteScore: 11.7, SNIP: 1.708, SJR: 1.632, Impact Factor: 8.943 Journal Link: <https://www.sciencedirect.com/journal/chemosphere>
19. **Gowda SH, Dmello J, Poojary S.** Process optimization of *Scleropyrum pentandrum* biodiesel production and study the effect of blends on CI engine characteristics for variation of engine parameters. *Industrial Crops and Products*. 2023 Apr 1;194:116306. Journal: *Industrial Crops and Products*, Q1, Scopus and Web of Science, H Index: 141, Online ISSN: 1872-633X Print ISSN: 0926-6690 , CiteScore: 9.6, SNIP: 1.706, SJR: 1.066, Impact Factor: 6.449 Journal Link: <https://www.sciencedirect.com/journal/industrial-crops-and-products>
20. **Nayak S, Goveas LC, Mutalik S, Sajankila, S.** Onsite detection of cadmium and nickel using gold nanospheres and nanotriangles capped with *Cyclea peltata* phytochemicals, *Environmental Nanotechnology Monitoring and Management*, 2023 Dec 20, 100815. <http://dx.doi.org/10.1016/j.enmm.2023.100815> Journal: *Environmental Nanotechnology*



**NITTE**  
EDUCATION TRUST

**NMAM INSTITUTE  
OF TECHNOLOGY**

Monitoring and Management, Q1, Scopus, Impact Factor: NIL, H Index: 36, Cite Score: 7.3, SJR: 0.86, ISSN: 2215-1532 Journal Link: <https://www.sciencedirect.com/journal/environmental-nanotechnologymonitoring-and-management>

21. **Chetan D. M ,Raghavendra H.L.2, Narendra Kumar S.3, Patil Ravikumar H.S.4, Venkatesh4, Venkatesh Kamath H.4** and Bhat Ramesh S.5, Evaluation of Garcinia mangostana, Lantana camara and Piper betel for Pharmaceutical Applications . Intern. J. Zool. Invest. WOS . Vol. 9, No. 1, [737-743] (2023) DOI:<https://doi.org/10.33745/ijzi.2023.v09i01.082>
22. **Poojari M, Hanumanthappa H, Prasad CD, Jathanna HM, Ksheerasagar AR, Shetty P, Shanmugam BK, Vasudev H.** Computational modelling for the manufacturing of solar-powered multifunctional agricultural robot. International Journal on Interactive Design and Manufacturing (IJIDeM). 2023 Apr 25:1-2, <https://doi.org/10.1007/s12008-023-01291-y> International Journal on Interactive Design and Manufacturing (IJIDeM), Publisher Springer Scopus Indexed,ISSN No.: 1955-2505 (Electronic) 1955-2513 (Print) SJR: 0.486, IF: 2.64, Q2, H index: 28 <https://www.springer.com/journal/12008>
23. **Goveas LC, Nayak S, Vinayagam R, Selvaraj R, Pugazhendhi A.** Recent advances of Nanophotocatalysts involved in hydrogen production by water splitting. Fuel. 2023 Sep 15;348:128460. <https://doi.org/10.1016/j.fuel.2023.128460> Journal: Fuel, Q1, Scopus and, Web of Science, H Index: 243, ISSN: 0016-2361, CiteScore: 11.2, SNIP: 1.906, SJR: 1.514 Impact Factor: 8.035 Journal Link: <https://www.sciencedirect.com/journal/fuel>
24. **Poojari M, Vardhan H, Jathanna HM.** Iron Ore Characterization Techniques in Mineral Processing. Journal of The Institution of Engineers (India): Series D. 2023 May :1-9. Journal Name Journal of The Institution of Engineers (India): Series D Publisher Springer Nature Scopus Indexed (Yes/No) Yes SJR: 0.229, IF: 0.257, status: Q2, H index: 16, Journal Link: <https://www.springer.com/journal/40033>, ISSN No.: 2502130, 22502122
25. **Shet VB, Kumar PS, Vinayagam R, Selvaraj R, Vibha C, Rao S, Pawan SM, Poorvika G, Quintero VM, Ujwal P, Rajesh KS.** Cocoa pod shell mediated silver nanoparticles synthesis, characterization, and their application as nanocatalyst and antifungal agent. Applied Nanoscience. 2023 May 10:1-1.<https://doi.org/10.1007/s13204-023-02873-8> Journal: Applied Nanoscience, Q2, Scopus and, Web of Science, H Index: 69, IF: 3.674 ISSN: 2190-5517, SJR - 0.49, Journal Link: <https://www.springer.com/journal/13204>
26. **Vinayagam R, Kar A, Murugesan G, Varadavenkatesan T, Goveas LC, Samanth A, Ahmed MB, Selvaraj R.** Low temperature carbonized mesoporous graphitic carbon for tetracycline adsorption: Mechanistic insight and adaptive neuro-fuzzy inference system modeling. Bioresource Technology Reports. 2023, Vol 22, pp. 101468, <https://doi.org/10.1016/j.biteb.2023.101468> Journal: Bioresource Technology Reports, Q1, Scopus, H Index: 27, Cite Score: 6.2, SNIP: 0.837, ISSN: 2589014X, Journal Link: <https://www.journals.elsevier.com/bioresource-technology-reports>
27. **Vibha R, Sandesh K, Ujwal P, Shet VB.** RSM-and ANN-based modeling for a novel hydrolysis process of lignocellulose residues to produce cost-effective fermentable sugars. Biomass Conversion and Biorefinery. 2023 Jun 23:1-6. Journal: Biomass Conversion and Biorefinery, Q3, Scopus, H Index: 39, SJR: 0.539 ISSN: 2190-6815, Journal Link:<https://www.springer.com/journal/13399s>
28. **Sagar Seetharamaiah, Vidya Shimoga Muddappa, Manjunatha Bukkambudhi Krishnaswamy,** · Rashmi Kanugodu Vasappa, 2023, Antineoplastic Effects of Mucuna pruriens Against Human Colorectal Adenocarcinoma, Applied Biochemistry and Biotechnology, <https://doi.org/10.1007/s12010-023-04598-4> Journal: Applied Biochemistry and Biotechnology, Q2, Scopus, H Index: 127, IF: 3.0, SJR: 0.51 ISSN: 0273-





### Publications 2021-22

1. Rakshitha S. P., · Keerthana K. V. · Anjuna P. · Sangam S. G. · **Sandesh K · Vinayaka B. Shet** · Neetha J. N., · **Ujwal P.** · N. M. Mubarak2, Statistical optimisation of saccharification process using *Amorphophallus paeoniifolius* tubers into fermentable sugars for bioethanol production in stirred tank batch reactor (STBR), *Biomass Conversion and Biorefinery*, 2021, 27 July, p.1-9  
SJR: 0.593, SNIP: 0.56, IF: 4.987, DOI: <https://doi.org/10.1007/s13399-021-01748-8>, Scopus indexed, **Q index: Q2.**
2. Vibha Rai, **Vinayaka B Shet, Sandesh K.** Effect of activated charcoal treatment on bioethanol production using agricultural residue cocoa pod shell, *Biomass Conversion and Biorefinery*, 2021, 6<sup>th</sup> August, p. 1-6.  
SJR: 0.593, SNIP: 0.56, IF: 4.987, DOI: <https://doi.org/10.1007/s13399-021-01813-2>, Scopus indexed, **Q index: Q2**
3. **Vinayaka B. Shet, Ramesh S. Bhat,** Guru Prasad, Amogh Kodgi, Anurag Damodaran, Akshara Savithri, Development and optimization of Zn–Ni–TiO<sub>2</sub> composite coating assessment of its corrosion resistance and antimicrobial activity. *Applied Nanoscience* 2021, 1-9.  
**SJR: 0.58, IF: 3.674, Q2, DOI: <https://link.springer.com/article/10.1007%2Fs13204-021-02029-6>**
4. Acharya Shivani, Kiran Rao U., Gokhale Abhilash, Manjunatha, Ma iyal Ananya, Joseph Bennet Elsa, **Vaman Rao C.** and Ravi M.S. Impact of Vibroacoustic Sound Therapy on Dental Pain Relief, *Research Journal of Biotechnology*, 2021, 16 (9), 30-36  
**SJR: 0.13, IF: Nil, Q4**
5. **Rao AS, Goveas LC, Nayak S.** Swift Automated System for Distinguishing Blue-White Colonies Post Bacterial Transformation on Agar Plates Using Computer Vision Techniques. *Philippine Journal of Science*. 2021, 150(5):933-42.  
**SJR: 0.18, SNIP: -, IF: 0.576, ISSN 0031 – 7683, Scopus indexed: Yes , WOS too, Q index Q3, No Doi available**
6. Keshava Joshi . Lokeshwari Navalgund . Kirankumar Rathod .**Vinayaka B. Shet** . Govindhan Srinikethan . Tejas Shet . Umashankar Rachitha . Aparna Anand, **Biofilm characterization in removal of total chemical oxygen demand and nitrate from wastewater using draft tube spouted bed reactor**, 2021, **Biotechnology Letters.**



Scopus quartile 2, Impact factor: 2.461, SJR: 0.55,  
DOI: <https://doi.org/10.007/s10529-021-03181-3>

7. Neetha, J. N., **Ujwal, P.**, Kumar, K. G., Chidananda, B., **Goveas Louella Concepta and Sandesh, K.** (2021). Aerobic biodegradation and optimization of 2, 4-Dichlorophenoxyacetic acid by *E. hormaechei* subsp. *Xiangfangensis* and assessment of biodegraded metabolite toxicity. *Environmental Technology & Innovation*, 102055. SJR: 0.87, SNIP: 1.53, IF: 5.263, DOI: <https://doi.org/10.1016/j.eti.2021.102055>, SCOPUS: YES, Q status: Q1, H index: 28
8. **Venkatesh Kamath H.** Statistical Analysis Software (SAS) Programming Course to Enhance Computing and Coding Skills of Biotechnology Graduates: A Case Study on Learner Centric Approach. *International Journal of Educational Sciences*, vol. 34 (1-3), September 2021, pp 79–92. [DOI: <https://doi.org/10.31901/245663.2.2021/34.1-3.1213>, ISSN(P): 0975-1122, Indexed: Web of Sci. (ESCI)]
9. Pradeepa, Anushri Umesh, Manasadeepika, Anushree Manjunath, Chithralekha Salian, S. M. Darshini, B.T. Prabhakar, Srinivas Mutalik, B.K. Manjunath, **S.M. Vidya**, Immunomodulatory and radioprotective property of glucans isolated from *Lactobacillus* species. *Bioactive Carbohydrates and Dietary Fibre* 27 (2022) 100304. [www.elsevier.com/locate/bcdf](http://www.elsevier.com/locate/bcdf), ISSN: 2212-6198; SJR: 0.71, SNIP: -, IF: -, DOI: <https://doi.org/10.1016/j.bcdf.2021.100304>, SCOPUS: YES, Q status: Q2, H index: 27
10. Vijayalaxmi BM, Damodara Gowda KM, **Harshini Ullal**. Nutritional Enrichment with Curcumin during Perinatal period Alleviates Metabolic Disorders in the Adult Life. *Research Journal of Pharmacy and Technology*. 2022; 14(12):6681-6686. SCOPUS: YES, SJR : 0.23, SNIP: NIL, IF: 1.203, Q status: Q3, H index: 46, DOI of the article: [10.52711/0974-360X.2021.01154](https://doi.org/10.52711/0974-360X.2021.01154), Journal Link: <https://rjptonline.org/AbstractView.aspx?PID=2021-14-12-84>, ISSN No.: 0974-3618 (print), 0974-360X (online)
11. Shilpa S Shetty, PG Ropashree, SV Ramesh, Ajeet Singh, M Arivalagan, MR Manikantan, **Ullal Harshini Devi**, KP Sharmila, KB Hebbar, N Suchetha Kumari. Virgin Coconut Oil (VCO) Ameliorates High Fat Diet (HFD) - Induced Obesity, Dyslipidemia, and Bestows Cardiovascular Protection in Rats. *Proceedings of the National Academy of Sciences, India. Section-B: Biological Sciences*, 2022, 1-11. SCOPUS: YES, SJR: 0.287, SNIP: --; IF: 0.946, Q status: Q2, H index: 18, DOI of the article: [10.1007/s40011-021-01318-y](https://doi.org/10.1007/s40011-021-01318-y), Journal Link: <https://link.springer.com/article/10.1007/s40011-021-01318-y>, ISSN No.: 2250-1746 (Electronic); 0369-8211 (Print)
12. **Harshitha Madhusoodan Jathanna, Chandrayan Vaman Rao**, Using *Aspergillus ochraceus*, a Native Fungus, to Convert Biodiesel-Derived Crude Glycerol to Single Cell Oil for Commercial Applications, *Waste and Biomass Valorization*, 2022, 1-15



Publisher: Springer Nature, Scopus Indexed, SJR: 0.62, IF: 3.703, Q2, H index: 41, DOI: <https://doi.org/10.1007/s12649-022-01695-z>, Journal Link: <https://www.springer.com/journal/12649/>, ISSN: 18772641 (Print), 1877265X(Electronic)

13. **Harshitha MadhusoodanJathanna\***, **Chandrayan Vaman Rao**, **Mohan Poojari**, Using an Unconventional Source to Screen the Oleaginous Capacities of Two Indigenous Aspergillus Species, *Aspergillus ochraceus* and *Aspergillus amstelodami*, for Third Generation Biodiesel Production, **2021**, Journal of Mechanical Engineering Research and Developments. Vol. 44, No. 11, pp. 242-248. Publisher: The Scientific Press, Scopus Indexed, SJR: 0.19, SNIP: 0.411, Q4, H index 14, DOI: Not yet received, Journal Link: <https://jmerd.net/>, ISSN: 10241752 (Print)
14. **Louella Concepta Goveas.**, Melita Alva., Jenishia Menezes., Amrutha Krishna., Ananya Salian. and **Shyama Prasad Sajankila**, 2022. Optimization of Degradation of Petroleum Crude Oil by *Lysinibacillus* sp. SS1 in Seawater by Response Surface Methodology. *Journal of Applied Biotechnology Reports*, 9(1), pp.494-503. Publisher: Baqiyatallah University of Medical Sciences, Scopus Indexed, SJR: 0.22, IF: 1.224, Q4, H index: 9, DOI: <https://doi.org/10.30491/JABR.2021.278318.1370> Journal Link: <http://www.biotechrep.ir/>, ISSN: 23221186 (Print), 24235784 (Electronic)
15. Devitheertha CC, Aparna Satheesh KV, Pradeep P, **Nayak S.** Development of EPS rich herbal shampoo base fermented using *Cyclopeltata* leaf powder and *Lactobacillus plantarum*. *Journal of Cosmetic Dermatology*. 2022; 1–11. Q2, Publisher: Wiley-Blackwell Publishing Ltd, Scopus Indexed, SJR: 0.63, IF: 2.696, Q2, H index: 4, DOI: <https://doi.org/10.1111/jocd.14949>, Journal Link: <https://onlinelibrary.wiley.com/journal/14732165>, ISSN: 14732130 (Print), 14732165 (Electronic)
16. Jathanna, H.M., Rao, C.V., 2022. Non-detoxified acid hydrolysate of de-oiled *Pongamia* seed cake as a low-cost solution to microbial oil synthesis. *Current Research in Biotechnology*, 4, 247-252. Publisher: Elsevier, Scopus Indexed, CiteScore: 4.4, DOI: <https://doi.org/10.1016/j.crbiot.2022.04.002>, Journal Link: <https://www.sciencedirect.com/science/article/pii/S2590262822000181>, ISSN: 2590-2628.





### 2020-2021 Scopus Publications

1. Raghavendra H. L., Prashith Kekuda T. R., **Chetan D.M.**, Manjula Shantaram, 2020, Physicochemical parameters, anti-nutritional factors, vitamin and mineral contents of *Rubus steudneri* and *Rubus apetalus* leaves. *Journal of Biomedicine*, 40 (3), 294-300  
**SJR:0.1 SNIP:0.08 IF: DOI:NA Scopus indexed**
2. A.N. Parameswaran , Ajit M. Hebbale , **S.M. Vidya**, T. P. M. Pakkala, 2020, Impact of Research Performance and Perception on Ranking of Universities-A study based on NIRF 2019 *Journal of Engineering Education Transformations* , 34 (1), 85-92.  
**SJR: 0.11 SNIP: IF:nil DOI: [10.16920/jeet/2020/v34i1/150463](https://doi.org/10.16920/jeet/2020/v34i1/150463) Scopus indexed**
3. Harshitha Kamath Miyar, Annapoorna Pai, **Shyama Prasad Sajankila**, and **Louella Concepta Goveas**, 2020, Extracellular polymeric substance produced by *Lysinibacillus* sp. SS1 in response to petroleum crude oil stress facilitates removal of heavy metals from aqueous solutions, *Philippine Journal of Science*, 149 (4), 1217-1225.  
**SJR: 0.18 SNIP: NIL IF: 0.53 DOI: NA Scopus indexed**
4. **Anil Kumar H.S.**, Ganga Gamana, Sulakshana Pai and Melita Rashmi Rebello. 2020, Value added multiple products from deinked waste paper for sustainable development through biotechnological approach, *Pollution Research*, 39, S230-S236  
**SJR: 0.13 SNIP:0.23 IF: 0.21 DOI:NA Scopus indexed**
5. Karishma Gururajan, Deeksha Hegde, Sharadhi Udupa, Shobith Shetty and **Ujwal P.**, 2021. Optimization of shoot initiation using response surface methodology and callus media standardization for micropropagation of *Centella asiatica*. *Journal of Microbiology, Biotechnology and Food Sciences*, 10 (4) 685-690.  
**SJR: SNIP: IF: DOI: Scopus indexed-Q4**
6. Naval Gund, L., Joshi, K., Srinikethan, G., **Shet, V. B.**, & Hosamane, S. N. (2021). 'RS' and 'GIS' based air quality atlas with integrated land use and land cover change analysis in India. *Journal of Environmental Engineering and Science*, 40, 1-7.  
**SJR: SNIP: IF: DOI: Scopus indexed-Q3**
7. **Sandesh K and P. Ujwal**, 2021. Trends and perspectives of liquid biofuels-Process and industrial viability, Energy conversion and management: X, vol. xxx(xxxx)xxx.  
**SJR: SNIP: IF: DOI: 10.1016/j.ecmx.2020.100075 Scopus indexed. No quartile assigned**



8. K.B. Manjunatha, Ramesh S. Bhat, A. Shashidhara, **H.S. Anil Kumar**, S. Nagashree. Antimicrobial and Nonlinear Optical Studies of Copper Oxide Nanoparticles. *Journal of Electronic Materials*, 2021, 50(4), 1 -7.  
SJR: 0.418, SNIP:0.761, IF: 1.684, DOI: <https://doi.org/10.1007/s11664-021-08838-3>  
Scopus Indexed, Q2
  
9. **Sneha Nayak**, Sujay S, Karkera N, Sudarsh S, Jathan SS, **Sajankila SP**, **Rao CV**. One-Pot Detection of Heavy Metals and Biosynthesis of Fluorescent Nanoparticles from Metals in Groundwater Samples. *BioNanoScience*. 2021 Mar 15:1-12.  
SJR: 0.28, SNIP: 0.51, IF: 1.174, DOI: <https://doi.org/10.1007/s12668-021-00840-7>  
Scopus indexed: Yes, Q index Q3
  
10. Martis, Shiny, Aparna K. Mohan, Sanjana Chiplunkar, Sandhya Kamath, **Louella Concepta Goveas**, and **C. Vaman Rao**. "Bacterium isolated from coffee waste pulp biosorps lead: Investigation of EPS mediated mechanism." *Current Research in Microbial Sciences* (2021): 100029. SJR: Nil, SNIP: Nil, IF: Nil, DOI: <https://doi.org/10.1016/j.crmicr.2021.100029> Scopus indexed: No, Q index: Nil
  
11. H. L. Raghavendra, **D. M. Chetan et al,(2021)**. Understanding Pharmacodynamics of Butyl Isobutyl Phthalate: Where In vitro and In silico Studies Converge. *Indian Journal of Pharmaceutical Sciences* : ;83(2):262-268. Scopus H Index :54 NAAS Rating -4.89 **Scopus SJR: 0.29**, Cites/ .(4yr). **SNIP:0.721** ISSN [0250474X,19983743] Q3
  
12. Bhavana Pradeep; Priyanka Hembra; Anusha Kunnathuli Jagadeesh; Chaitra GanappaRamakkanavar; **Sneha Nayak; Chandrayan Vaman Rao**, (2021), Anticandidal and antioxidant activity of silver and gold nanoparticles biosynthesised using matured areca nut husk extract, *International journal of nanoparticles*, 13(1),pp 21-32.  
SJR: **0.17**, SNIP: **Nil**, IF: **Nil**, DOI: 10.1504/IJNP.2021.114897, **Scopus indexed**, Q index: **Q4**
  
13. **Sneha Nayak, K. B. Manjunatha, Louella Concepta Goveas,C Vaman Rao, Shyama Prasad Sajankila** (2021) Investigation of Nonlinear Optical Properties of AgNPs Synthesized Using *Cycleapeltata* Leaf Extract Post OVAT Optimization *Bionanoscience*, SJR: **0.31**, SNIP: **0.51**, IF: **1.174**, DOI: 10.1007/s12668-021-00875-w, **Scopus indexed**, Q index: **Q3**
  
14. **Louella Concepta Goveas**, K.S. Ashwath, Brejeth Renita Nazerath, Ostrin D Souza, Ullekh, Anushri Umesh, **Vidya ShimogaMuddappa** (2021), Development of coconut water based exopolysaccharide rich functional beverage by fermentation with probiotic *Lactobacillus plantarum* SVP2 Biocatalysis and Agricultural Biotechnology 34, 102030



**NITTE**  
EDUCATION TRUST

**NMAM INSTITUTE  
OF TECHNOLOGY**

SJR: **0.59**, SNIP: **0.983**, IF:--, DOI: <https://doi.org/10.1016/j.bcab.2021.102030>,  
**Scopus indexed**, Q index: **Q2**

15. Harshitha Kamath Miyar, Annapoorna Pai, **Louella Concepta Goveas**, Adsorption of Malachite Green by extracellular polymeric substance of *Lysinibacillus* sp. SS1: kinetics and isotherms, *Heliyon*, 7 (2021) e07169  
SJR: **0.46**, SNIP: **1.079**, IF:**2.85**, DOI: <https://doi.org/10.1016/j.heliyon.2021.e07169>,  
**Scopus indexed**, Q index: **Q1**
  
16. Saripalla DD, Khokhani ND, Kamath A, Rai RP, **Sneha Nayak**. Organoleptic and physicochemical properties of natural-based herbal shampoo formulations with *Cycleapeltata* as a key ingredient. *Journal of Cosmetic Dermatology*. 2021 Jun 4.pp1-9.  
SJR: **0.63**,SNIP:, IF: **1.621**, DOI: <https://doi.org/10.1111/jocd.14269>, **Scopus indexed**,  
Q index: **Q2**
  
17. Raghavendra Lakshmana SH, Chaitanya VNLM, PrashithKekuda T, Ramamoorthy, **Chetan DM**, Ravikumar Patil HS, Vijayananda NB, Gas chromatography-mass spectrometry fingerprint and in vitro cytotoxic studies of *Rubus steudneri* leaf fractions against Michigan cancer foundation-7 breast cancer cell line, 2021, *Pharmacognosy Magazine*: 17(2) p. 54.  
SJR: **Nil**, SNIP:**1.31**, IF: **Nil**, DOI: [10.4103/pm.pm\\_324\\_20](https://doi.org/10.4103/pm.pm_324_20), **Scopus indexed**, Q index: **Nil**

#### 2019-20 Scopus Publications

1. Bhavana Pradeep, Priyanka Hemba, Anusha Kunnathuli Jagadeesh, Chaitra GanappaRamakakanavar, **Sneha Nayak, Chandrayan Vaman Rao**(2019) Biosynthesis of copper nanoparticles from areca nut extract and its antibacterial and antioxidant properties, *Agr. Nat. Resour.* 53:386–394. **SJR:0.24, SNIP:0.748, IF:0.93**, <https://doi.org/10.34044/j.anres.2019.53.4.09> **SCOPUS INDEXED**
  
2. **Vinayaka B Shet**, Rakshith K G, Nisha J. Shetty, Vishwas C. Shetty, Asha Siddik, **Louella Concepta Goveas, C Vaman Rao, Ujwal P** (2019) The application of response surface methodology for the optimization of autoclave assisted HCl hydrolysis of an agro residue cocoa pod shells for releasing reduced sugars, *Journal of Microbiology Biotechnology and Food Science*, 9(3):548-551.  
DOI:<https://doi.org/10.15414/jmbfs.2019/20.9.3.548-551>**Scopus indexed, SJR-0.18**



3. Mangala Shetty, Balasubramani R., **Vidya S.M.**, (2019) Automatic Segmentation and Classification of SEM Images of Bacteria Cells. International Journal of Recent Technology and Engineering, 8 (4), 12858-12860. **Scopus Indexed, SJR-0, SNIP-0**
4. **K. Sandesh, R.K. Shishir, C. Vaman Rao, 2020.** Optimization and comparison of induction heating and LPG assisted acid pretreatment of cocoa pod for ABE fermentation, *Fuel*, 262, 116499, 1-9. **Scopus Indexed, SJR 1.745, SNIP 2.012**
5. **Louella Concepta Goveas**, Amrutha Krishna, Ananya Salian, Jenishia Menezes, Melita Alva, Bharath Basavapattan, **Shyama Prasad Sajankila**, 2020. Isolation and Characterization of Bacteria from Refinery Effluent for Degradation of Petroleum Crude Oil in Seawater, *Journal of Pure and Applied Microbiology*, 14(1): 473-484. <https://doi.org/10.22207/JPAM.14.1.49>, **Scopus Indexed, SJR=0.124, SNIP=0.127**
6. **Louella Concepta Goveas**, Jenishia Menezes, Ananya Salian, Amrutha Krishna, Melita Alva, Bharath Basavapattan, **Shyama Prasad Sajankila**. 2020. Petroleum hydrocarbon degradation in soil augmented with used engine oil by novel *Pantoea wallisii* SS2: Optimisation by response surface methodology, *Biocatalysis and Agricultural Biotechnology* 25, 101614, 1-7. <https://doi.org/10.1016/j.bcab.2020.101614>, **Scopus indexed, SJR=0.497, SNIP 0.862**
7. **Louella Concepta Goveas, Shyama Prasad Sajankila**, 2020, Effect of yeast extract supplementation on halotolerant biosurfactant production kinetics coupled with degradation of petroleum crude oil by *Acinetobacter baumannii* OCB1 in marine environment, *Bioresource Technology Reports*, 11, 100447, <https://doi.org/10.1016/j.biteb.2020.100447>, **Scopus Indexed, SJR-0, SNIP-0**
8. S R Dhruval, Nakhul Pai, Shilpa Sanjay Dhanwant, Bathish Hussein, **Sneha Nayak, C Vaman Rao, Anil Kumar and M Janakaraj, 2020**, Rapid synthesis of antimicrobial Fe/Cu alloy nanoparticles using Waste Silkworm Cocoon extract for cement mortar applications. *Advances in Natural Sciences: Nanoscience and Nanotechnology*, 11, 025006, 1-8. **SJR:0.61, SNIP:0.661** <https://doi.org/10.1088/2043-6254/ab8790> **SCOPUS INDEXED**
9. Asha R. Suvarna, Anvitha Shetty, Sneha Anchan, Nasreena Kabeer and **Sneha Nayak**. 2020 Cycleapeltata Leaf Mediated Green Synthesized Bimetallic Nanoparticles Exhibits Methyl Green Dye Degradation Capability, *BioNanoScience*, **SJR: 0.23, IF:0.920 SNIP:0.559**, <https://doi.org/10.1007/s12668-020-00739-9> **SCOPUS INDEXED**
10. **Ramesh Sooryanarayana Bhat, Vinayak Babu Shet, Guruprasad, Amogh Kodgi, Anurag and Akshara.** 2020, Development of Corrosion Resistant Zn-Ni-TiO<sub>2</sub> Composite Coatings, *Analytical & Bioanalytical Electrochemistry*, 12 (4), 569-579. **DOI: Nil, Scopus indexed, IPP-3.286, SJR-0.21, SNIP-0.476**
11. **Harshitha Madhusoodan Jathanna, Chandrayan Vaman Rao, Louella Concepta Goveas**, 2020, Exploring Pongamia seed cake as a medium for microbial lipid



production by *Aspergillus ochraceus*, *Biocatalysis and Agricultural Biotechnology*, 24,  
<https://doi.org/10.1016/j.bcab.2020.101543> **SJR 0.497 SNIP 0.862**

12. **Ramesh S Bhat, Vinayaka B Shet**, 2020, Development and characterization of Zn–Ni, Zn–Co and Zn–Ni–Co coatings, *Surface Engineering*, 36 (4), 429-437. **Scopus indexed, IPP-2.229, SJR-0.59, SNIP-0.842** <https://doi.org/10.1080/02670844.2019.1680037>
13. **Venkatesh Kamath H., C. Vaman Rao**. 2020 Value addition to Pongamia biodiesel industry through bioethanol production from pressed oil cake using *Bacillus cereus*. *BioTechnologia* vol. 101 (2) C, pp147–158. [Published date: 16-June-2020; DOI: <https://doi.org/10.5114/bta.2020.96415>, ISSN(P): 0860-7796, Indexed: Scopus, WoS (BIOSIS), SJR2019=0.18]
14. Divya, K., Vivek H. K., Neema K. N., Priya B. S., **Chetan D. M.** 2020. Purification and biochemical characterization of a novel secretory dipeptidyl peptidase IV from porcine serum *Molecular and Cellular Biochemistry*, <https://doi.org/10.1007/s11010-020-03766-y> [©Springer Science; Q2 Scopus H Index :115 NAAS Rating - 4.89 Scopus SJR: 0.91, Cites/ Doc. Impact factor:2.9 (4yr). <https://doi.org/10.1007/s11010-020-03766-y> ]
15. **Chetan, D.M.** and **Rao, C.V.** 2020. A study on potential of Rhizobium spp as biofertilizers in sustainable agriculture. *Eco. Env. & Cons*; 26 (2), 793-797. ISSN [0971–765X] Scopus H Index :11 NAAS Rating - 4.89 Scopus SJR: 0.138, Cites/ Doc.(4yr). SNIP:0.206
16. Anushri U, Pradeepa, Anushree M, Chithralekha S, Manasadeepika, Manu S, **Vidya SM.** Optimization, kinetics and radioprotective potential of a heteropolysaccharide from *L. rhamnosus* RVPI, <https://doi.org/10.1002/bab.1855>. *Biotechnology and Applied Biochemistry*. . 67 (3) 2019, 1-14. Impact factor-1.638, Wiley
17. Ullal Harshini Devi, Shilpa S Shetty and Suchetha Kumari N. A study on fatty acid desaturase1 (FADS1) gene variation in type 2 diabetes mellitus. *Research Journal of Pharmaceutical, Biological and Chemical Sciences*. 10(2) 2019, 526-532. Scopus, SJR-0.12, IF-0.35, SNIP 0.337
18. Kurian Babu, Suchetha Kumari N, Harshini Ullal, Damodara Gowda KM. Association Between Serum Uric Acid And Blood Glucose Level In Young Obese Individuals. *Research Journal of Pharmaceutical, Biological and Chemical Sciences*. May-June 2020, 11(3):208-214. Scopus, SJR-0.12, IF-0.35, SNIP 0.337





**2019-20 Non Scopus Publications**

1. Aparna K. Mohan, Shiny Martis, Sanjana Chiplunkar, Sandhya Kamath, **Louella Concepta Goveas, C. Vaman Rao.** (2019) Heavy Metal Tolerance of *Klebsiella pneumoniae* Kpn555 Isolated from Coffee Pulp Waste. *Borneo Journal of Resource Science and Technology*, 9(2): 101-106.
2. **Santhosh Poojary, 2020.** A Review of the Concept of Biodiesel Industrial Socialization, *Journal of Alternative and Renewable Energy Sources*, 6 (1), 11-17 DOI: <http://doi.org/10.5281/zenodo.3607406>
3. **Sneha Nayak, · Shyama Prasad Sajankila, · Louella Concepta Goveas, · Vaman C. Rao,** Srinivas Mutalik, Shreya B.A. (2020). Two fold increase in synthesis of gold nanoparticles assisted by proteins and phenolic compounds in Pongamia seed cake extract: response surface methodology approach, *SN Applied Sciences* 2:634. **SJR-0, SNIP-0** <https://doi.org/10.1007/s42452-020-2348-5> **(WEB OF SCIENCE)**
4. Dakshayini, **Louella Concepta Goveas,** Manohar Prasad, **Ujwal P,** 2020, Optimization of Direct Shoot Regeneration using leaf explants from *Cichorium intybus* by Response Surface Methodology, *Study in Indian Place Names*, 40:74, 602-614, **SJR-0, SNIP-0**
5. **Santhosh Poojary,** 2020. Role of Bioinformatics, Computational Biology and Computer Technologies in Combating COVID-19 Virus-a Review, *International Journal of Biotech Trends and Technology*, 10 (2), 26-30

### 2018-19 Scopus Publications

1. K.V. Rashmi, N. Sathyanarayana and **S.M. Vidya\***Variations in the trnHpsbA region of *Mucuna pruriens* L. (DC.) varieties of India: an insight on intraspecific diversity *Indian J. Agric. Res.*, 2019: 53(3): 284-290 SNIP-0.3, IPP-0.666, SJR-0.24.
2. **Sneha Nayak, Shyam Prasad Sajankila, C. Vaman Rao**, Ashwathi R H gde, Srinivas Mutalik (2019) Biogenic Synthesis of Silver Nanoparticles Using *jatropha curcas* seed cake extract and characterization: evaluation of it's antibacterial activity, Energy Sources Part A: Recovery, Utilization and Environmental effects. pp1-8. <https://doi.org/10.1080/15567036.2019.1632394> **Impact factor** 0.894
3. Vinutha K, Gollapalli Pavan, Sharath Pattar, Suchetha Kumari N, **Vidya S.M.** Aqueous extract from *Madhuca indica* bark protects cells from oxidative stress caused by electron beam radiation: *in vitro*, *in vivo* and *in silico* approach. *Heliyon* 5 (2019) e01749, 1-12. SNIP-0.572, IPP-1.23, SJR-0.355.
4. Keshava Joshi, Lokeshwari. N, **Vinayaka B. Shet\***, Srinikethan G, Ashwini<sup>1</sup>, Sneha, Anusha, Aparna A Isolation of novel aerobic denitrifier and optimisation of process parameters for biological denitrification using RSM, *Journal of Microbiology, Biotechnology and Food Sciences* 2019:8(6) 1236-124.
5. **Chetan.D.M.<sup>1\*</sup>**, Seema Farzeen Sarang<sup>1</sup>, Niriksha Nithin<sup>1</sup>, N. Priyanka<sup>1</sup>, Ramesh, S. Bhat<sup>2</sup>, Comparison of citric acid production from *Aspergillus niger* in solid and suspension state fermentation. *International Journal of Green Pharmacy*; Vol[12], 3 2018. ISSN NO: [0973-8258] Scopus SJR: 0.14. Cite score: 1.1, SNIP: 0.469]
6. **Vinayaka B. Shet**, Nishaa, Manasa Bhata, Manasa, Leah Natasha, Mascarenhasa, **Louella Concepta Goveas, Vaman Rao, Ujwal P., Sandesh K.**, Aparna A.. Acid hydrolysis optimization of cocoa pod shell using response surface methodology approach toward ethanol production. *Agriculture and Natural Resources*. Available online: 26th November 2018, (ISSN: 2452-316X, Indexed in: Scopus, Cite score: 0.42, SNIP: 0.469, SJR: 0.155
7. **J. N. Neetha, K. Sandesh**, K. Girish Kumar, B. Chidananda, **P. Ujwal**. Optimization of Direct Blue-14 Dye Degradation by *Bacillus fermus* (Kx898362) an Alkaliphilic Plant Endophyte and Assessment of Degraded Metabolite Toxicity. *Journal of Hazardous Materials*. Volume 364, 15 February 2019, Pages 742-751. (Scopus Indexed, SJR: 1.787, SNIP: 1.960, cite score: 6.75, Impact factor: 6.434)



8. **Vinayaka B. Shet**, Varun C., Aishwarya, Anusha M. Palan, Shama Umesh Rao, **Louella Concepta Goveas**, Selvaraj Raja, **C. Vaman Rao**, **Ujwal P.** Optimization of reducing sugars production from agro-residue coconut leaflets using autoclave-assisted HCl hydrolysis with response surface methodology. Agriculture and Natural Resources. Available online: 4th October 2018, pp 280-284. (ISSN:2452-316X , Indexed in: Scopus, Cite score:0.42, SNIP:0.469, SJR:0.155)
9. **Chetan.D.M.**, S.Keerthana,B, Anusha Prabhu, Manjula, Shreya Ranjit and **Ramesh,S.Bhat**, Biosurfactants: An Alternative to the Synthetic Surfactants and their Production by Bacteria Isolated from Solid. Journal of Pure and Applied Microbiology;Vol[12],3 2018. ISSN NO:[0973-7510.] Scopus SJR: 0.123, Cite score:0.14,SNIP:0.113
10. Shivaprasad Shetty, M., **Anil Kumar, H.S.** and Anil Kumar N.V. Synthesis and  $\alpha$ -Amylase Inhibition Studies of Some Coumarin Derivatives. Pharmaceutical Chemistry Journal, 52(6), Sept 2018 pp 526-530. (ISSN: 0091-150X, Indexed in : Scopus; J Impact Factor 2017 = 0.679, SNIP-0.340, IPP-0.37, SJR-0.203
11. Pankaj Dinesh Javalkar, Krithika S, Namratha S Hegde, Neelima Gopinath Menon, and **Venkatesh Kamath H.** Use of microwave irradiation to produce biodiesel from *Simarouba glauca* oil seed: Rapid extractive transesterification approach. Research Journal of Pharmaceutical, Biological and Chemical Sciences, 9(5), Sep-Oct 2018, pp 1610-1616. (ISSN: 0975-8585, Indexed in: Scopus, WoS (ESCI); J Impact Factor 2017 =0.350, SJR 2017 = 0.155, SNIP 2017 = 0.209).
12. **Santhosh Poojary, C. Vaman Rao, Sandesh K., Vinayaka B. Shet.** Process optimisation of pilot scale biodiesel production from pongamia and waste cooking oil feedstock. Journal of Engineering Science and Technology, 13(9), Sept 2018, pp 2670 – 2684. (ISSN: 1823-4690, Indexed in: Scopus, WoS (ESCI); SJR 2017 = 0.193, SNIP 2017 = 0.654).



**NITTE**  
EDUCATION TRUST

**NMAM INSTITUTE  
OF TECHNOLOGY**

#### 2018-19 ISSN publications

1. VineethaTelma D'Souza, Janardhana Nayak, Shivaprasad Shetty M, Dayananda P and **Anil Kumar S.H** Synthesis of Quinoline Containing Pyrazolone Derivatives and their Biological Studies. *Journal of Chemical and Pharmaceutical Research*, 2018, 10 (11). ISSN:0975-7384.
2. **Harshitha M Jathanna, C. Vaman Rao.** Production of pullulan from de-oiled *Pongamia* seed cake by using *Aureobasidium pullulans*. *International Journal of Management, Technology and Engineering*, November 2018, 8 (11): 2085-2090. ISSN: 2249-7455.
3. **H. Venkatesh Kamath**, Ashwini G. Shenoy, Inchara Crasta, Soumya M. Rao, K. B. Udbhavi and **C. Vaman Rao.** Microwave Assisted Hydrolysis of Cellulose to Release Sugars from *Pongamia* Oil Cake for its use in Bioethanol Production. *Chemical Science Transactions*, Volume 7(4), October **2018**, pp 722-728. [DOI: 10.7598/cst2018.1557; ISSN: 2278-3318 (Online); ISSN:2278-3458 (Print); Indexed in WoS, CAS].
4. **Ullal Harshini Devi**, Shilpa S Shetty, Suchetha Kumari N (2019) Relationship between lipid profile and inflammatory markers in type 2 diabetes mellitus, *British Journal of Pharmaceutical and Medical Research*, 4(3), 1922-1927. <https://doi.org/10.24942/bjpmr.2019.521>

### 2017-18 Scopus publications

1. Manjuraj, T., Krishnamurthy G., Yadav D. Bodke, Bhojya Naik, H.S., **Anil Kumar H.S.** Synthesis, XRD, thermal, spectroscopic studies and biological evaluation of Co(II), Ni(II) Cu(II) metal complexes derived from 2-benzimidazole. Journal of Molecular Structure 1171 (2018) 481-487. **SNIP-0.751, IF-1.58, SJR-0.401.**
2. MS Shetty, **B.R Bharath**, NL Rani, MA Sridhar, NK Lokanath and NVA Kumar., Synthesis, spectral studies, crystal structure and molecular docking of ethyl 6-[(4-methyl-2-oxo-2H-chromen-7-yl) oxy] hexanoate. Chemical Data Collections, 13, 2018, 17-27. **SNIP-0.50 , IF- 0.87 , SJR- 0.20**
3. Neetha, J.N., **Ujwal, P, Sandesh K.**, Santhosh H. and Girish K. Aerobic biodegradation of Acid Blue-9 dye by Bacillus fermus isolated from Annona reticulata. Environmental Technology & Innovation 11 (2018) 253–261. **SNIP-0.719, IF-1.62, SJR-0.436.**
4. Raghavendra H.L, PrashithKekudaT.R,**Chetan D.M**, Phytochemical analysis and in vitro antioxidant activity of Rubus apetaluspoir. (rosaceae). Journal of Pharmacology (online); 2018 187-195 . **SNIP-0.564, IF-1.59, 0.562.**
5. **Vinayaka B. Shet** • Anusha M. Palan • Shama U. Rao • C. Varun • Uday Aishwarya • Selvaraj Raja • **Louella Concepta Goveas** • **C. Vaman Rao** • **P. Ujwal**. Comparison of response surface methodology and artificial neural network to enhance the release of reducing sugars from non-edible seed cake by autoclave assisted HCL hydrolysis. 3 Biotech. 8. (2018) 127. **IF- 1.36 only there**
6. **Conference Paper:Sneha Nayak, Vinayaka B Shet, C., Vaman. Rao**, Keshav Joshi. Performance Evaluation and Emission Characteristics of a 4 Stroke Diesel Engine Using Green Synthesized Silver Nanoparticles Blended Biodiesel, Materials Today: Proceedings 5 (2018) 7889–7897. **SNIP-0.694 SJR-0.299**
7. Vishnu Kadammattil, Ambika, Prasad **Sajankila Shyama, Prabhu** Suma, Nageshwar Rao Bhuvanagiri, Sadashiva Satish Rao Bola (2018), Systemic Toxicity and Teratogenicity of Copper Oxide Nanoparticles and Copper Sulfate. Journal of Nanoscience and Nanotechnology, 18 (4) 2394-2404. **SNIP- 0.474, IF-1.163, SJR-0.358.**
8. **Vinayaka B. Shet**, Vishwas C. Shetty, Asha Siddik, Rakshith K.G., Ni ha J. Shetty, **Louella Concepta Goveas**, Grynal D’Mello, **C. Vaman Rao, Ujwal P**, Aparna A. Optimization of microwave assisted H2SO4 hydrolysis of cocoa pod shells: comparison between response surface methodology and artificial neural network



and production of bioethanol thereof. Journal of Microbiology, Biotechnology and Food Sciences; 2018:7(5) 473-477. **SNIP-Nil, IF-Nil, SJR-Nil**

9. Rashmi K.V., Sathyanarayana N. and **Vidya S.M.**, Validation of DNA barcoding markers in common Mucuna species of India for taxonomy and pharmacognosy applications. Plant gene, 12 (2017) 98-104. (**ISSN: 2352-4073; SJR:0.517; SNIP: 0.966; IF:0.9**)
10. ShivanandaKandagalla, BS Sharath, **BasavapattanaRudresh Bharath**, Hanumanthappa Manjunatha, Molecular docking analysis of curcumin analogues against kinase domain of ALK5, In Silico Pharmacology 5(1) 2017: 15. **SNIP-Nil , IF-Nil , SJR-Nil**
11. Shekarappa Sharath, Belenahalli, KandagallaShivananda, Gollapalli Pavan, **BasavapattanaRudresh Bharath**, HanumanthappaThriveni, HanumanthappaManjunatha. Topology of protein–protein interaction network and edge reduction co-efficiency in VEGF signaling of breast cancer. Network Modeling Analysis in Health Informatics and Bioinformatics. December 2017. 6:17. **SNIP-0.34, IF- 0.8 , SJR-0.21**
12. PrashithKekuda TR, DunkanaNegussa Kenie, **Chetan DM**, Raghavendra L Hallur. Phytochemical analysis, Antimicrobial, insecticidal and antiradical activity of Hydnocarpuspentandra (Buch.-Ham.). International Journal of Phytomedicine; 9 (2017) 576-583. **SNIP-0.386, IPP-0.355, SJR-0.197.**
13. K.S. Rajesh, **B.R. Bharath, C.V. Rao**, K.I. Bhat, K.S. Chandrashekhara Bhat, Pritesh Bhat. Neutralization of Naja naja venom induced lethality, edema and myonecrosis by ethanolic root extract of Coixlacryma-jobi, Toxicology reports, 4 (2017) 637-645. **SNIP- 0.402, IF-0.8, SJR- 0.277.**
14. **Sneha Nayak ,Shyama Prasad Sajankila, C.Vaman Rao**, Green Synthesis of Gold Nanoparticles From Banana Pith Extract And its Evaluation of Antibacterial Activity and Catalytic Reduction of Malachite Green Dye, Journal of Microbiology, Biotechnology and Food Sciences, 7(6) 641-645. **SNIP-Nil, IF-Nil, SJR-Nil.**

#### **2017-18 ISSN publications**

1. **Chetan D.M., Rao C. Vaman and Louella C. Goveas** International Journal of Engineering Technology Science and Research, International Journal of Engineering Technology Science and Research. To find the efficacy of Rhizobium spp and Trichoderma spp as biofertilizer. 2017 4 (11),739-747.

2. Nireeksha K., Sanjana S., Shreya S. Jathhan, **Sneha Nayak**, Santhosh G., C. **Vaman Rao** (2017) Ecofriendly Synthesis of Silver Nanoparticles Using Oil Seed Cake and Its Application in Biodiesel for Performance Evaluation of 4 Stroke Diesel Engine, Energy and Power 2017, 7(3): 75-80 DOI: 10.5923/j.ep.20170703.04.(p-ISSN:2163-159X, e-ISSN: 2163-1603) (July 2017)
3. **Vinayaka B. Shet**, Vishwas C. Shetty, Asha Siddik, Rakshith K.G., Nisha J. Shetty, **Louella Concepta Goveas**, Grynal D'Mello, C. **Vaman Rao**, **Ujwal P**, Aparna A. Optimization of microwave assisted H<sub>2</sub>SO<sub>4</sub> hydrolysis of cocoa pod shells: comparison between response surface methodology and artificial neural network and production of bioethanol thereof. Journal of Microbiology, Biotechnology and Food Sciences; 2018:7(5) 473-477. SNIP-0.000, IPP-0.000, 0.000 NOT THERE
4. **Sneha Nayak** ,**Shyama Prasad Sajankila**, C.**Vaman Rao**, Green Synthesis of Gold Nanoparticles From Banana Pith Extract And its Evaluation of Antibacterial Activity and Catalytic Reduction of Malachite Green Dye, Journal of Microbiology, Biotechnology and Food Sciences, 7(6) 641-645. SNIP-0.000, IPP-0.000, 0.000.

#### 2016-17 Scopus publications

1. Pranita A D'Souza, Priyanka A.Naik, Shubashree C. Rao, Saujanya Vyas, Anusha M. Palan,Belrin Cornelio, **Vinayaka B.Shet**, C.**Vaman Rao**,Fermented Fruit Juice Production Using Unconventional Seasonal Fruits Through Batch Fermentation,*Journal of Microbiology, Biotechnology and Food Sciences*, 6: 1305 – 1308, 2017. (Scopus indexed)
2. **Venkatesh Kamath H**, Samiyabanu, Krupa M. B, Deepak G. M, and C. **Vaman Rao**. Ethanol Fuel Production from Glycerol using Bacillus cereus. Research Journal of Pharmaceutical, Biological and Chemical Sciences, 84-91, 2017. (Scopus indexed, IF=0.35, SJR = 0.22 SNIP-0.40).
3. **Sandesh K.**, Sana Amin, Harshakiran, T. S., Anju Mariam Prasad and C. **Vaman Rao**. Optimization of pretreatment of *Saccharum spontaneum* (Kans grass) biomass for production of alcoholic biofuels. Research Journal of Pharmaceutical, Biological and Chemical Sciences, 117-126. 2017. (Scopus indexed, IF=0.35, SJR = 0.22 SNIP-0.40).
4. **BasavapattanaRudresh** **Bharath.**, ThriveniVasanthkumar., HanumanthappaManjunatha and Chakravarthi Bharath. Interaction of curcumin and capsaicin with LPS induced TRAF6 expression in peripheral blood mononuclear cells. Medicinal Chemistry Research, 2017. DOI: 10.1007/s00044-017-1940-8. (Impact Factor : 1.27, SJR: 0.397, ISSN: 1054-2523, Springer Link) (SNIP-0.75)
5. Sindhu Priya E. S., Darshan Raj C. G., Sarojini B. K and **Bharath B. R**. In Vivo and Computational Chemo-Inhibition of Peritoneal Tumor Angiogenesis Studies of a New Pyrazolyl Alcohol Derivative. Journal of Pharmaceutical Sciences and Pharmacology,



2017. 3, 15–22. (Impact Factor:nil, SJR: 0.405, ISSN:2333-3723, American Scientific publisher, SNIP-nil)
6. Santhosh Poojary, C. Vaman Rao, Venkatesh Kamath H. *Scleropyrumpentandrum* (Dennst.) Mabb - oil as a feedstock for biodiesel production –Engine performance and emission studies. *International Journal of Green Energy*, 14: 279 – 288, 2017. (ISSN: 1543-5075, Impact factor: 1.793, SJR: 0.539, Scopus indexed, SNIP- 0.93)
  7. Kiran S. Avadhani, Jyothsna Manikkath, Mradul Tiwari, Misra Chandrasekhar<sup>1</sup>, Ashok Godavarthi, Shimoga M. Vidya, Raghu C. Hariharapura, Guruprasad Kalthur, Nayanabhirama Udupa, and Srinivas Mutalik. Skin delivery of epigallocatechin-3-gallate (EGCG) and hyaluronic acid loaded nano-transfersomes for antioxidant and anti-aging effects in UV radiation induced skin damage *Drug Delivery*, 2017; 24(1): 61–74. (Print ISSN: 1071-7544 Online ISSN: 1521-0464), Scopus, Impact Factor: 4.8435, SJR:0.629, Taylor&Francis, SNIP-1.04)
  8. Pradeepa, Udaya Bhat K, Vidya S.M Nisin gold nanoparticles assemble as potent antimicrobial agent against *Enterococcus faecalis* and *Staphylococcus aureus* clinical isolates. *Journal of drug delivery science and technology* 37, 20-27 (2017). (ISSN: 1773-2247, Scopus, Impact factor 1.194 Elsevier, SJR 0.383, SNIP 0.504)

#### 2016-17 ISSN publications

1. Pradeepa, Vinutha K, Vidya S. M. Probiotic characterization of *Lactobacillus plantarum* isolated from *Sardinella longiceps*. *Current Res. In Microbiology and biotechnology*, 4: 925-932, 2016. (ISSN: 2320-2246)
2. Varun C1., Aishwarya, Anusha M. Palan, Shama U. Rao, Vinayaka B. Shet, C. Vaman Rao, Ujwal P., Grynal D’Mello. Modeling of microwave assisted coconut leaf acid hydrolysis pretreatment process for maximum release of reducing sugars. *Res J. Chem. Environ. Sci.* 4: 06-11, 2016. (E-ISSN 2321-1040)
3. Pranita A D’Souza, Shubashree C. Rao, Priyanka A. Naik, Saujanya Vyas, Anusha M. Palan, Belrin Cornelio, Vinayaka B. Shet, C. Vaman Rao. Production of fermented fruit juice using unconventional seasonal fruits through batch fermentation. *Res J. Chem. Environ. Sci. Vol 4 : 01-05*, 2016. (E-ISSN 2321-1040)
4. Maneeshi Shetty, Candica Mavis Fernandes, Suraksha P., Nireeksha Karkera, Karthik Hegde, Vinayaka B. Shet, C. Vaman Rao. Production of eco-friendly adhesive from jackfruit seed. *Res J. Chem. Environ. Sci. Vol 4 : 102-106*, 2016. (E-ISSN 2321-1040)
5. Prasantha Naik, Amritha Nair, Sanjeeva Nayaka and Shyama Prasad Sajankila, Antimutagenic Activity of Ethanolic Extract of *Rocella montagnei* against Sodium Azide – An in vitro study. *Cryptogam Biodiversity and Assessment*. 1: 2, 89-92, (2016) (ISSN: 2456-0251)
6. Anil Kumar H.S., Ganga Gamana, Sulakshana Pai, Melita Rashmi Rebello. Conversion of waste paper into useful bioproducts. *Research Journal of chemical and environmental sciences* [4S] 2016 (E-ISSN 2321-1040)

**2015-2016 Scopus publications**

1. **Vinayaka B. Shet** and Prasanna D. Belur. Production of concoction wine using palm sap and raisin through batch fermentation. *Journal of Microbiology, Biotechnology and Food Science*, 5: 293-296, 2015. (ISSN: 1338-5178 scopus indexed)
2. Pradeepa, Akshay, D. S., Koshi, M., Aswathi, R. H., Akshitha, B., Alvita, B. M., Srinivas, M. and **Vi cya S. M.** Multidrug resistant pathogenic bacterial biofilm inhibition by *Lactobacillus plantarum* exopolysaccharide, *Bioactive carbohydrates and dietary fibre*, 8: 7-14, 2016 (Impact factor : 0.946 Elsevier SJR 0.805, scopus indexed, ISSN: 2212-6198, SNIP-0.946)
3. Ojoawo, S. O., **Rao, C. V., Louella Goveas, C.** Bioremediation of Zn, Cu, Mg and Pb in Fresh domestic sewage by *Brevibacterium* sp. International Journal of Environmental Research 10: 139-148, 2016. (Impact factor 0.927, SJR 0.417, ISSN: 1735-6865, SNIP-Nil)
4. Pradeepa, **Vidya, S. M.,** Mutalik, S., Bhat, K. U., Huilgol, P., Avdhani, K. Preparation of gold nanoparticles by novel bacterial exopolysaccharide for antibiotic delivery. *Life Sciences* 153: 171-179, 2016. (Impact factor 2.7 Elsevier SJR 1.044, Scopus, ISSN: 0024-3205, SNIP-0.932)
5. Rajesh, K. S., Bhat, K. I., **Rao, C. V.** Preliminary phytochemical investigation and anti-venom activity of *Coixlachrymajobi* root extract against *Daboia russelli* venom-induced myonecrosis. *Asian Journal of Pharmaceutical and Clinical Research*. 9: 295-97, 2016. (Impact factor 0.4, SJR 0.277, Scopus, ISSN: 0024-3205, SNIP-0.567)
6. Vrinda Ramakrishnan, **Louella Concepta Goveas,** Niranjan Suralikerimath, Chandrashekar Jampani, Prakash M Halami, Bhaskar Narayan, Extraction and purification of lipase from *Enterococcus faecium* MTCC5695 by PEG/Phosphate Aqueous-Two Phase System (ATPS) and its biochemical characterization, *Biocatalysis and Agricultural Biotechnology*, 2016, 6:19-27 ISSN:1878-8181, SJR=0.459IF: 0.901, SNIP-0.821).
7. Prakash S N, B Narayana, BK Sarojini, Jennifer Fernades, **BR Bharath,** LN Madhu. Synthesis, molecular docking and biological evaluation of novel bis-pyrazole derivatives for analgesic, anti-inflammatory and antimicrobial activities. *Medicinal Chemistry Research*. 2015, 24(12) 4191-4206.(Impact Factor : 1.27, SJR: 0.397, ISSN: 1054-2523, Springer Link SNIP-0.758)

**2015-16 ISSN publications**

1. Dakshayini, K., Louella, C. G., **Vaman Rao, C., Ujwal, P.** Optimization of shoot regeneration using leaf explants from *Cichorium intybus* by Box-Behnken Design. *Indian Journal of Advances in Chemical Science*, S1: 179-182, 2016. (ISSN 2320-0898)
2. Dakshayini, K., **Vaman Rao, C.,** Karun, A., Bhavyashree, P., **Ujwal, P.** High frequency plant regeneration and histological analysis of callus in *Cichorium intybus*: an important medicinal plant, *J. of Phytology*, 8: 7-12, 2016. (ISSN 2075-6240)



3. Paridhi Damle, Deeksha Hegde, **Sneha Nayak, C.Vaman Rao**. Green synthesis of silver nanoparticles from *Santalum album* tender leaf extract and evaluation of its antioxidant capacity. *Indian Journal of Advances in Chemical Science*, S1: 253-257, 2016. (ISSN: 2320-0928)
4. Sharmada N, Apoorva Punja, Sonali S Shetty, **Vinayaka B Shet, Louella Concepta Goveas, C Vaman Rao** Optimization of pre-treatment of de-oiled oil seed cake for release of reducing sugars by response surface methodology. *Bioethanol*, 2: 94-102, 2016. (ISSN: 2299-6788)

#### 2014-2015 Scopus publications

1. Vinutha K, **Vidya S.M.**, Suchetha Kumari N, Ganesh Sanjeev, Nagendra H.G., Pradeepa, **Vaman Rao C.** *In vitro*, *In vivo* and *In silico* radioprotective activity of ethanol and aqueous extracts of *Pterocarpus marsupium*. *International Journal of Pharmaceutical Sciences Review Research*. 32: 123-131, 2015 (Impact factor: 0.65 SJR 0.198 scopus indexed, ISSN: ISSN: 0976-044X, SNIP-0.389)
2. Vinutha K, **Vidya S.M.**, Suchetha N Kumari, Ganesh Sanjeev, Nagendra H.G., Pradeepa, **Vaman C Rao**. Radioprotective activity of *Ficus racemosa* ethanol extract against electron beam induced DNA damage *in vitro*, *in vivo* and *in silico*. *International Journal of pharmacy and Pharmaceutical Sciences* 7: 110-119, 2015. (Impact factor: 0.91 SJR: 0.276, scopus, ISSN 0975 – 1491 SNIP- 0.553)
3. Rajesh, K. S, **C. Vaman Rao**, Ishwara Bhat. Inhibitory effect of Ethanol root extract of *Coixlachrymajobion* hyaluronidase and L-amino oxidase of *Naja naja* and *Daboia russelli* venom. *Asian Journal of Pharmaceutical and Clinical Research* 8: 214-16, 2015.( Print ISSN- 0974-2441 Online ISSN- 2455-3891, SJR0.277 impact factor 0.40, SNIP- 0.567)

#### 2014-15 ISSN publications

1. Vinutha K, **Vidya S.M.**, Sujata B., Suchetha Kumari N, Ganesh Sanjeev, Pradeepa, **Vaman Rao C.**, DNA damage protective and anti-Inflammatory activity of *Madhuca indica* against electron beam radiation. *World Journal of Pharmacy and Pharmaceutical Sciences*. 4:737-748, (ISSN: 2278-4357)
2. Rohit Nayanar K.N, Shridhara T.N **Chetan D. M.**, Sundip Shenoy R. Assessment of Potential Impact on Environment due to Upgradation of Highway Work from Padubidri to Karkala.” -A case study. *International Journal of Innovative Science, Engineering & Technology*, 1:272-277, 2014. (ISSN 2348 – 7968)
3. Pushpa Sinkar, C. **Vaman Rao**, Valentine Borges, Royston Lobo and Sanuli Paralkar. Use of *Camelia sinensis* L. leaves in environmentally benign synthesis of silver nanoparticles. *International J. of Chemistry* 4, 158-168, 2015. (ISSN: 1916-9698; E-ISSN: 1916-9701)



### 2013-14 Scopus publications

1. Dakshayini and **Ujwal P.**, RP HPLC Analysis for coumarin content in *Cichorium intybus* - An important medicinal plant. International Journal of Pharma BioSciences 5: (B) 640-646, 2014. (ISSN 0975-6299, IPP=0.34, SJR=0.274, Scopus indexed, SNIP- Nil)
2. **Anilkumar H. S**, Vadlapudi Kumar, N.Vidyavathi. Isolation purification and effect of modulators on  $\alpha$ -galactosidase from different bacterial isolates. International Journal of Life Sciences Biotechnology and Pharma Research. 3: 95-101, 2014. (ISSN:2250-3137, SJR 0.122, SNIP- Nil)

### 2013-14 ISSN publications

1. Manu B and Indresh N, Shridhara T. N, **Chetan D. M.** Degradation of ParaPhenylenediamine in Aqueous Solution by Photo-Fenton Oxidation Processes. Science, Technology and Arts Research Journal, 3:88-92, 2014 ISSN:2305-3372(Online) ISSN : 2226-7522 (Print)
2. **Bharath B.R.** Sujata Barangi, Rajesh KP, **Chetan DM** and Manjunatha H. Comprehensive Analysis of Homologous Proteins for Specific Drug Design. Science, Technology and Arts Research Journal 3:47-62, 2014 ISSN:2305-3372(Online) ISSN : 2226-7522 (Print)
3. **Anilkumar H. S**, Vadlapudi Kumar, N.Vidyavathi. Optimization of fermentation parameters and enzyme immobilization of  $\alpha$ -galactosidase isolated from different bacteria. International Journal of Current Microbiology and Applied Sciences. 3: 154-167, 2014 (ISSN:2139-7706)
4. Santhosh Poojari, **Venkatesh Kamath** and **C. Vaman Rao**. Biofuel production from *Borassus flabellifer*. *J. of Biofuels*, 5: 9-15, 2014. (ISSN: 0976-3015)

### 2013 Scopus publications

1. Regupathi I., **Venkatesh Kamath H.**, Satyanarayana Reddy Y., Saidutta M.B. Microwave-assisted batch and continuous transesterification of karanja oil: process variables optimization and effectiveness of irradiation. *Biomass Conversion and Biorefinery*, 3(4):305-317, December 2013 (ISSN: 2190-6815, SJR 0.324, Scopus indexed, SNIP- 0.334)
2. Vibha Nayak, Pooja V. Pai, Ashwini Pai, Supriya Pai, Sushma Y. D, and **C. Vaman Rao**. A Comparative Study of Caffeine Degradation by Four Different Fungi. *Bioremediation Journal*, 17: 79-85, 2013. (Print ISSN: 1088-9868 Online ISSN: 1547-6529 SJR 0.327 Impact Factor: 1.098, SNIP-0.512)
3. Pooja V. Pai, , Ashwini Pai, Supriya Pai, Sushma Y. D, Vibha Nayak, and **C. Vaman Rao**. Effect of Glucose and Nitrogen source on Caffeine Degradation by Four Filamentous



- Fungi. Indian Journal of Biotechnology 12: 432-434, 2013. (Impact Factor: 0.510). (ISSN: 0975-0967 (Online); 0972-5849 (Print) SJR 0.235 Impact Factor: 0.287, SNIP-0.459)
4. Sujata B., **Vidya S.M.**, Ganesh S. and **Vaman Rao, C.** Pretreatment with *Pterocarpus marasupium* extracts protecting mice against 6 -Gray electron beam radiation. Research Journal of Biotechnology. 8 56-63, 2013. (Impact factor-0.294 SJR 0.169 ISSN: 2278-4535, scopus SNIP- 0.279)
  5. Manjunatha B.K., **Vidya S.M.**, Pradeepa, Banu Shameem, TaranumRuhinaz, Nalini S.M., Sunitha B.J. and Nadig Smitha. Rapid *in vitro* propagation of *Dioscorea bulbifera* through bulbils and nodal segments. *Research Journal of Biotechnology*. 8:10-16, 2013. (Impact factor-0.294 SJR 0.169 ISSN: 2278-4535, scopus, SNIP- 0.279)
  6. Vrinda Ramakrishnan, **Louella Concepta Goveas**, Prakash M. Halami and Bhaskar Narayan, Kinetic modeling, production and characterization of an acidic lipase produced by *Enterococcus durans* NCIM5427 from fish waste. *Journal of Food Science and Technology* DOI 10.1007/s13197-013-1141-5, 2013. (ISSN: 0022-1155, SJR: 0.544, SNIP- 0.916 Impact Factor: 1.262).
  7. **K. Sandesh**, P.E. Jagadeesh Babu, Suhas Math, and M.B. Saidutta. Reactive Distillation Using Ion-Exchange Catalyst: Experimental and Simulation Studies for the Production of Methyl acetate. *Industrial and Engineering Chemistry Research* 2013: 52, 6984-6990. (DOI: 10.1021/ie3029174 ,(ISSN: 1520-5045 Impact Factor:2.235, SJR 0.945, SNIP 1.139 Scopus)
  8. **K. Sandesh**, R. Suresh Kumar and P.E Jagadeesh Babu. Rapid Removal of Cobalt (II) from aqueous solution using cuttle bones; equilibrium, kinetics and thermodynamic study. *Asia-Specific Journal of Chemical Engineering*. 2013; 8:144-153. (DOI: 10.1002/apj.1639, (ISSN: 1932-2143, Impact Factor:0.758, SJR: 0.425, SNIP- Nil).
  9. Kashi Prakash-Gupta Rajesh, Hanumanthappa Manjunatha, **Basavapattana Rudresh Bharath**. Simulated screening of flavonoids as probable anti-*Helicobacter pylori* drug. *Med Chem Res*, 2013, 22(9), 4537-4546. (Impact Factor : 1.27, SJR: 0.397, SNIP- 0.758 ISSN: 1054-2523, Springer Link)

#### 2013 ISSN publications

1. **Chetan, D.M**, Nataraja.S, Krishnappa M, **Bharath B.R.** and Ravikumar patil H.S, *Isolation and Molecular Methods for the Identification of Fusarium solani* from Solid Waste. *Science, Technology and Arts Research Journal* 2013. 2(1): 42-49
2. Vrinda Ramakrishnan, **Louella Concepta Goveas**, Prakash M. Halami and Bhaskar Narayan, Comparison of Lipase Production by *Enterococcus faecium* MTCC 5695 and *Pediococcus acidilactici* MTCC 11361 Using Fish Waste as Substrate: Optimization of Culture Conditions by Response Surface Methodology. *ISRN Biotechnology*, 2013.1-9. DOI: 10.5402/2013/980562.
3. Vinaya Bhat, Sharma S.M., Veena Shetty, Shastry CS, **Vaman Rao**, Shilpa Shenoy M., Santanu Saha. Role of Candida biofilms on denture stomatitis. *Journal of Indian Academy of Dental Specialist Researchers*, 2(1), 27-35.

**2012 Scopus publications**

1. Charanya Sampath, **Harshitha, M. J**, Maithili, **Sneha Nayak**, and **C. Vaman Rao**. Isolation and Characterization of Caffeine Degrading Bacteria from Coffee Pulp. *Indian Journal of Biotechnology* 11: 86-91, 2012. (ISSN: 0975-0967 online and 0972-5849 print, Impact Factor: 0.274, SJR:0.235, SNIP: 0.459).
2. B.Raghavendra Rao, A.R.Alagawadi, J.H.Kulakarni, Visweswara Rao Pasupuleti and **Vidya S. M.** Seasonal variation of post harvest contaminating microflora of tomato and beans. *Research Journal of Microbiology*. 7: 205-208, 2012. (SJR 0.154, SNIP 0.274 impact factor 1.61 ISSN: 1816-4935, scopus)
3. **Vidya S. M.**, Krishna,V., Manjunatha,B.K. and Pradeepa Micropropagation of *Clerodendrum serratum* L. through direct and indirect organogenesis. *Plant Tissue culture and Biotechnology*. 22: 179-185, 2012. (SJR 0.177, ISSN 1817-3721 (Print) 1818-8745 (Online) Scopus indexed, SNIP- 0.296)
4. Manjunatha, BK; Abhilash, N; Vinay Hegde, Suchitra MN; **Vidya, SM**. Hepatoprotective Potency of *Achyranthes aspera*: An In-vivo Study. *International Journal of Pharmaceutical and Phytopharmacological Research*. 1(6), 387-390, 2012. (SJR 0.112 ISSN (Print): 2250-1029 ISSN (online)2249-6084 impact factor 0.78 SNIP- Nil)
5. Vrinda Ramakrishnan, **Louella Concepta Goveas**, Maya Prakash, Prakash M. Halami and Bhaskar Narayan, Optimization of conditions for probiotic curd formulation by *Enterococcus faecium* MTCC 5695 with probiotic properties using response surface methodology, *Journal of Food Science and Technology* (DOI 10.1007/s13197-012- 0821-x, 2012. (DOI: 10.1007/s13197-012-0821-x, (ISSN: 0022-1155, Impact Factor: 1.262, SJR: 0.544, SNIP-0.916 ).
6. **Vidya,S.M.**, Krishna,V., Manjunatha,B.K., Rajesh, K.P. **Bharath B.R.** and Manjunatha H. wound healing phytoconstituents from the seed kernel of *Entada purseatha* DC. and their molecular docking studies with glycogen synthase kinase 3-. *Medicinal Chemistry Research*. 21: 3195-3203, 2012. SJR 0.397 ISSN: 1054-2523 (Print) 1554-8120 (Online). Scopus, impact factor 1.277, SNIP- 0.758)

**2012 ISSN publications**

1. Sujata Barangi, **Vidya, S.M.**, Ganesh Sanjeev, **Vaman Rao, C.**, Rajesh K.P. and Vinutha K. Evaluation of radioprotective efficacy of *Ficus racemosa* in swiss albino mice exposed to electron beam radiation. *Journal of Biochemical Technology*, 3(5), 2012, S212-S217. (ISSN: 0974-2328)

**2011 Scopus publications**

1. Deepa Shenoy, Anjali Pai, Vikas, R. K, Neeraja, H. S, Deeksha, J. S, Chetan Nayak, **C. Vaman Rao**. A Study on Bioethanol Production from Cashew Apple Pulp and Coffee Pulp Waste. *Biomass and Bioenergy*, 35: 4107–4111, 2011. (DOI: 10.1016/j.biombioe.2011.05.016, (ISSN: ISSN: 0961-9534 Impact factor: 4.164, SJR: 1.188 SNIP- 1.368).
2. **Vidya,S.M.**,Krishna,V., Manjunatha,B.K., Rajesh, K.P. **Bharath B.R.** and Manjunatha H. Antibacterial and molecular docking studies of entagenic acid, a bioactive principle from seed kernel of *Entada pursaetha*DC. *Medicinal Chemistry Research*. 21: 1016-1022, 2011. (SJR 0.397 ISSN: 1054-2523 (Print) 1554-8120 (Online). Scopus, impact factor 1.277, SNIP- 0.758)
3. **Venkatesh Kamath**,Regupathi I and Saidutta MB. Optimization of two step karanja biodiesel synthesis under microwave irradiation. *Fuel Processing Technology*. 92(1):100-105, 2011. (DOI: 10.1016/j.fuproc.2010.09.003, (ISSN: 0378-3820, Impact Factor: 2.945, SJR-1.416, SNIP-1.722, Scopus).
4. **Anil Kumar HS**,PrashithKekudaTR , Vinayaka KS , Swathi and Venugopal TM. Anti-obesity (Pancreatic lipase inhibitory) activity of *Everniastrumcirrhatum*(Fr.) Hale (Parmeliaceae). *Pharmacognosy Journal*. 1: 65-68, 2011. (ISSN: 0975-3575, SJR: 0.284, SNIP-0.505, IF-0.61 ).
5. P. E. JagadeeshBabu, **K. Sandesh**, and M. B. Saidutta. Kinetics of Esterification of Acetic Acid with Methanol in the Presence of Ion Exchange Resin Catalysts. *Industrial and Engineering Chemistry Research*. 50: 7155-7160, 2011. (DOI:10.1021/ie101755r.) (ISSN: 1520-5045, Impact Factor: 2.235, SJR 0.945, SNIP 1.139).
6. **D.M. Chetan**, S. Nataraja, M. Krishnappa. Effect of inorganic ions and pH in cellulose enzyme activity in crude extracts isolated from solid waste microbes, *Journal of pure and applied microbiology* 1:24, 217-22, 2011 (Impact factor 0.073, SJR: 0.135, SNIP-0.158)

**2011 ISSN publications**

1. **Anil Kumar HS**. Biofilters- An emerging tool for hazardous metal recovery. *Research and Reviews in Biomedicine and Biotechnology*. 2: 1-5, 2011. (ISSN: 2229-7154).