



Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil College Vashi (Empowered Autonomous)
Department of Microbiology

Research Papers by Faculty

| Sr. No. | Name of the Faculty | Name of the Research Paper | Journal/ Publisher/ ISSN |
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| 2022-23 | | | |
| 1. | Dr. Shubhada Nayak, & Kavita Jadhav | Conversion of Lignocellulosic Wastes into Biofertilizer using Bacterial Consortium | Current Agriculture Research Journal. 11. 125-136. 10.12944/CARJ.11.1.11. |
| 2021-22 | | | |
| 2. | Dr. Shubhada Nayak & Mrs. Shraddha Patel | Antimicrobial and dyeing potential of prodigiosin obtained from multi-drug resistant <i>Serratia nematodiphila</i> exhibiting low toxicity | Journal of Advanced Scientific Research (J Adv Sci Res), 2021; 12 (2) Suppl 2: 78-85 |
| 3. | Dr. Keshav Shinde | Biogenic synthesis of silver nanoparticles from bioactive <i>Cassia tora</i> plant for medical applications | International Journal of Botany Studies ISSN: 2455-541X Volume 7, Issue 1, 2022, Page No. 454-461 |
| 4. | Dr. Keshav Shinde | Bioactive properties, biosynthesis of silver nanoparticles of <i>Wedelia chinensis</i> and its applications | International Journal of Botany Studies Volume 7, Issue 1, 2022, Page No. 12-18 ISSN: 2455-541X |
| 5. | Dr. Rajeshri Ghorpade | Production of Exopolysaccharide on agro based media by stem and root nodulating <i>Rhizobium mayense</i> of <i>Aeschynomene indica</i> plant | Journal of Maharaja Sayajirao University of Baroda, ISSN:0025-0422 Volume 55, No. 1,2021 pg. No. 212 to 216 |
| 6. | Ms. Darshana Raut | Antimicrobial activity of <i>Pimenta dioica</i> (L.) Merr. leaves and its synergistic activity with ampicillin against ESBL producing clinical isolates | Journal of Microbiology, Biotechnology and Food sciences. Vol 11, issue 1, August 2021. ISSN: 1338-5178 https://doi.org/10.15414/jmbfs.653 |
| 2020-21 | | | |
| 7. | Dr. Shubhada Nayak | Phytochemical analysis and DPPH antioxidant activity of root and bark of <i>Syzygium stocksii</i> (duthie) plant | European Journal of Molecular & Clinical Medicine ISSN 2515-8260 Volume 7, Issue 10, 2020 |

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| 8. | Dr. Shubhada Nayak | Chemical and microbiological analysis of organic manure of Nisargruna Biogas plant and its application as carrier material for biofertilizer | Current World Environment, Vol. 15, No. (3) 2020, Pg. 535-543 ISSN: 0973-4929 |
| 9. | Dr. Shubhada Nayak, & Darshana Raut | Antimicrobial activity of <i>Plectranthus amboinicus</i> against multiple drug- resistant isolates obtained from samples of urinary tract infection. | International Journal of Botany Studies, February 2021, Vol 6, issue 1, Page no. 558-565. |
| 10. | Dr. Shubhada Nayak | Production of Biosurfactant from <i>Raoultella Ornithinolytica</i> and evaluation of its de-staining and de-greasing properties | https://doi.org/10.31032/IJBPAS/2021/10.6.5508.2020 |
| 11. | Dr. Shubhada Nayak | Development of a biofertilizer for viticulture | https://doi.org/10.5958/2395-146X.2021.00026.0.2021 |
| 12. | Dr. Shubhada Nayak | Antioxidant activity and phytochemical characterization of leaves and flower of <i>Ceropegia jainii</i> | International Journal of Botany Studies ISSN: 2455-541X; Impact Factor: RJIF 5.12 Volume 5; Issue 6; 2020; Page No. 400-403 |
| 13. | Dr. Shubhada Nayak | Waste seeds of <i>Ziziphus rugosa lam.</i> as potential material for removal of heavy metal from waste | International Journal of Botany Studies Volume 6; Issue 1; 2021; Page No. 230-234 |
| 14. | Dr. Rajeshri Ghorpade | Study of Properties of Green Tea and Its Applications with special reference to Formulation of Mouth wash and Surgical dressings | Journal of the Maharaja Sayajirao University of Baroda, Volume-55 No.1 2021 |
| 15. | Dr. Rajeshri Ghorpade | Degradation and Decolourization of Textile grade Dyes by Prominent isolates obtained from Textile effluent sample | International Journal of Pharmacy and Biological Sciences (IJPBSTM) Online ISSN: 2230-7605, Print ISSN: 2321-3272, 2020 |
| 16. | Mrs. Shraddha Patel | Optimization of nutritional and physicochemical parameters for prodigiosin production by <i>Serratia nematodiphila</i> | Environmental and Experimental Biology (2020) 18: 153–160 ISSN 2255-9582 http://doi.org/10.22364/eeb.18.15 |
| 17. | Mrs. Shraddha Patel | Preparation of probiotic and synbiotic soy-yogurt using a probiotic potential strain of <i>Lactobacillus casei</i> | International Journal of Research and Analytical Reviews, 2020 |
| 18. | Ms. Darshana Raut | Antimicrobial activity of <i>Pimenta dioica</i> leaves and its synergistic activity with ampicillin against ESBL producing clinical isolates | Journal of Microbiology, Biotechnology and Food sciences, March 2021, 11(1), e653 |

| 2019-20 | | | |
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| 19. | Dr. Ashwini Pande | A comparative study of total antioxidant capacity and total fat content in various brands and sources of milk available in India | Journal of Advanced Scientific Research, ISSN: 0976-9595, Journal of Advanced Scientific Research, 2019; 10 (4): Nov. - 2019 |
| 2018-19 | | | |
| 20. | Dr. Shubhada Nayak | Studies on stress tolerance of <i>Rhizobium</i> isolated from <i>Sesbania</i> with reference to heavy metals, fungicide, antibiotics, bile salts and anionic detergents. | JETIR, April 2019, " Volume 6, Issue 4 ISSN-2349-5162" |
| 2011-2018 | | | |
| 21. | Dr. Rajeshri Ghorpade | Microbial retting of Banana Pseudostem to Extract Textile grade Fibres And Their Physico-chemical Properties | International Journal of Biotechnology and Biosciences (IJBB), International, 048/2011 (September 2011) |
| 22. | Dr. Rajeshri Ghorpade | Solid waste management by effective microorganism technology | Journal Bionano Frontier, 2013, International ISSN:0974-0678 (P),ISSN:2320-9593 (O) |
| 23. | Dr. Rajeshri Ghorpade | Microbial retting of banana pseudostem for extracting Textile grade fibers & its applications | Man-made Textiles in India, National pp: 149-153. May 2013 |
| 24. | Dr. Rajeshri Ghorpade | Study on bacterial decolorisation of textile grade coravat red dye by <i>Rhizobium mayense</i> | International Journal of research studies in biosciences (IJRSB), May 2015 ISSN- 2349-0357/2349-0365. IF-3.1 |
| 25. | Dr. Rajeshri Ghorpade | Characterization of EPS produced from stem and root nodule <i>Rhizobium mayense</i> | International Journal of current research (IJCR), June 2015, "ISSN-0975-833X IF-5.384" |
| 26. | Dr. Rajeshri Ghorpade | Bioplastic production from Poly-βHydroxy Butyrate (PHB) producing organisms and antimicrobial activity of silver nanoparticles coated PHB | Journal of Microbial World, November 2015, ISSN: 0972-1487 |
| 27. | Dr. Rajeshri Ghorpade | Study on bacterial decolorization of textile grade reactive black dye by stem and root nodulating <i>Rhizobium mayense</i> of <i>Aeschynomene indica</i> Plant | Journal Bionano Frontier., December 2015, "ISSN- 0974-0678/2320-9593. IF-4.856" |
| 28. | Dr. Rajeshri Ghorpade | Bio-degradation of textile grade Persian Blue dye by <i>Streptococcus agalactiae</i> isolated from textile effluent sample | Bionano Frontier, June 2017, Print ISSN 0974-0678, Online: 2320-9593 |
| 29. | Dr. Rajeshri | Study on antibacterial activity of | Bionano Frontier, June 2017, |

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| | Ghorpade | <i>Tabernaemontana divaricata</i> leaf extract with respect to phytochemical detection & nano-particle synthesis. | Print ISSN 0974-0678, Online: 2320-9593 |
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