



**PRATHYUSHA ENGINEERING COLLEGE**  
**(An Autonomous Institution)**  
**DEPARTMENT OF BIOTECHNOLOGY**

**Faculty Publication 2023 – 2024**

| S.NO | NAME OF THE FACULTY         | TYPE OF JOURNAL | JOURNAL NAME                   | TITLE OF THE PAPER                                                                                                    | PUBLISHED, VOLUME NO, | ISSUE NO. | PAGE NO.  | ISSN NO.   | <a href="#">WEB LINK OF THE PAPER</a>                                                                                                                         |
|------|-----------------------------|-----------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------|-----------|-----------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | Dr.H.Archana                | SCI/SCIE        | Materials and Methods          | Wound healing effects of polyherbal based Nanoparticles extracted from Cassia fistula and Manilkara zapota            | 34                    | 4         | 1-10      | I0017-2294 | <a href="https://innovarjournal.com/wp-content/uploads/2021/04/GRTJ-P736.1-F.pdf">https://innovarjournal.com/wp-content/uploads/2021/04/GRTJ-P736.1-F.pdf</a> |
| 2    | Ms.D.Joyce<br>Hellen Sathya | SCI/SCIE        | Waste and Biomass Valorization | Novel Nano Catalyst Ionic Liquid Assisted Pretreatment of Aloe vera Rinds and Delonix regia Pods: A Comparative Study | 15                    |           | 3123-3132 |            | <a href="https://link.springer.com/article/10.1007/s12649-023-02334-x">https://link.springer.com/article/10.1007/s12649-023-02334-x</a>                       |

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|---|---------------|----------|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---|------------|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3 | Dr.A.Praveena | SCOPUS   | International Journal Of Pharmaceutic al Sciences And Research | A Comparative Study On The Anti-Cancer Potential Of Enicostema Axillare On Canine And Human Breast Cancer By Targeting Runx As A Prognostic Marker | 14                     | 4 | 1899-1906. | E- ISSN: 0975-8232; P- ISSN: 2320-5148          | <a href="https://ijpsr.com/bft-article/a-comparative-study-on-the-anti-cancer-potential-of-enicostema-axillare-on-canine-and-human-breast-cancer-by-targeting-runx-as-a-prognostic-marker/">https://ijpsr.com/bft-article/a-comparative-study-on-the-anti-cancer-potential-of-enicostema-axillare-on-canine-and-human-breast-cancer-by-targeting-runx-as-a-prognostic-marker/</a> |
| 4 | Dr.A.Praveena | SCI/SCIE | <u>Biomass Conversion and Biorefinery</u>                      | In silico analysis of plants biomass phytochemicals against $\beta 2$ adrenergic receptor                                                          | Online-ahead of print  |   |            | Electr onic ISSN 2190-6823 Print ISSN 2190-6815 | <a href="https://doi.org/10.1007/s13399-023-04241-6">https://doi.org/10.1007/s13399-023-04241-6</a> ,<br><a href="https://link.springer.com/article/10.1007/s13399-023-04241-6">https://link.springer.com/article/10.1007/s13399-023-04241-6</a>                                                                                                                                  |
| 5 | Dr.A.Praveena | SCI/SCIE | Journal of Cancer Research and Therapeutics                    | <u>A pharmacological perspectives of Musa sapientum peels against lung cancer: An: in vitro: and: in silico: study</u>                             | Online- ahead of print |   |            | 1998-4138                                       | <a href="https://journals.lww.com/cancerjournal/pages/default.aspx">https://journals.lww.com/cancerjournal/pages/default.aspx</a> DOI: 10.4103/jcrt.jcrt_583_22                                                                                                                                                                                                                   |
| 6 | Dr.A.Praveena | SCI/SCIE | Current computer aided drug design                             | Investigation on the Anticancer Activity of [6]-Gingerol of Zingiber officinale and its Structural                                                 | 20                     | 4 | 367-373    | ISSN (Print) : 1573-4099                        | <a href="https://pubmed.ncbi.nlm.nih.gov/3707102174/1573409919666230418095105">10.2174/1573409919666230418095105</a> ,<br><a href="https://pubmed.ncbi.nlm.nih.gov/3707102174/1573409919666230418095105">https://pubmed.ncbi.nlm.nih.gov/3707102174/1573409919666230418095105</a>                                                                                                 |

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|   |                |     |                                     | Analogs against Skin Cancer                                                                                                                                                                          |                  |  |        | ISSN (Online): 1875-6697 | <u>6965/</u>                                                                                              |
| 7 | Dr.Balachandar | WOS | Materials Technology                | Eco-friendly synthesis of zinc oxide nanoparticles (ZnOnps) from Piper betel leaf extract: spectral characterization and its application on plant growth parameters in maize, fenugreek and red gram | Published online |  |        | 1066-7857 / 1753-5557    | <a href="https://doi.org/10.1080/10667857.2023.2298547">https://doi.org/10.1080/10667857.2023.2298547</a> |
| 8 | Dr.Balachandar | WOS | Scientific African                  | <u>Review on Advances in Toxic Pollutants Remediation by Solid Waste Composting and Vermicomposting</u>                                                                                              | Published online |  |        | 2468-2276                | <a href="https://doi.org/10.1016/j.sciaf.2024.e02100">https://doi.org/10.1016/j.sciaf.2024.e02100</a>     |
| 9 | Dr.Balachandar | WOS | Journal of Environmental Management | Construction of novel g-C <sub>3</sub> N <sub>4</sub> coupled efficient Bi <sub>2</sub> O <sub>3</sub> nanoparticles for improved Z-scheme photocatalytic removal of environmental                   | 330              |  | 117134 | 0301-4797 / 1095-8630    | <a href="https://doi.org/10.1016/j.jenvman.2022.117134">https://doi.org/10.1016/j.jenvman.2022.117134</a> |

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|    |                |        |                                                | wastewater<br>contaminant: Insight<br>mechanism                                                                                             |      |  |            |                                           |                                                                                                                   |
| 10 | Dr.Balachandar | SCOPUS | <u>Encyclopedia<br/>of Green<br/>Materials</u> | Natural Fiber-<br>Reinforced Polymer<br>Composite<br>Manufacturing<br>Processes                                                             |      |  | 1-14       | ISBN<br>978-<br>981-<br>16-<br>4921-<br>9 | <a href="https://doi.org/10.1007/978-981-16-4921-9_258-1">https://doi.org/10.1007/978-981-16-4921-9_258-1</a>     |
| 11 | Dr.Balachandar | WOS    | Chemosphere                                    | <u>Origin, transport and<br/>ecological risk<br/>assessment of illicit<br/>drugs in the<br/>environment–A<br/>review</u>                    | 311  |  | 13709<br>1 | 0045-<br>6535 /<br>1879-<br>1298          | <a href="https://doi.org/10.1016/j.chemosphere.2022.137091">https://doi.org/10.1016/j.chemosphere.2022.137091</a> |
| 12 | Dr.Balachandar | WOS    | Environment<br>al research                     | <u>Current and<br/>prognostic overview<br/>on the strategic<br/>exploitation of<br/>anaerobic digestion<br/>and digestate: A<br/>review</u> | 216  |  | 11452<br>6 | 0013-<br>9351 /<br>1096-<br>0953          | <a href="https://doi.org/10.1016/j.envres.2022.14526">https://doi.org/10.1016/j.envres.2022.14526</a>             |
| 13 | Dr.Balachandar | WOS    | Chemosphere                                    | <u>Emerging<br/>nanotechnology<br/>based advanced<br/>techniques for<br/>wastewater treatment</u>                                           | 303  |  | 13505<br>0 | 0045-<br>6535 /<br>1879-<br>1298          | <a href="https://doi.org/10.1016/j.chemosphere.2022.135050">https://doi.org/10.1016/j.chemosphere.2022.135050</a> |
| 14 | G Sreenivasulu | SCOPUS | Interdisciplin                                 | Prediction of                                                                                                                               | 2022 |  |            | 1687-                                     |                                                                                                                   |

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|  |  |  | ary<br>Perspectives<br>on Infectious<br>Diseases | Omicron Virus using<br>Combined Extended<br>Convolutional and<br>Recurrent Neural<br>Networks Technique<br>on CT-Scan Images" |  |  |  | 7098 |  |
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