

## Dolphin PG Institute of Biomedical & Natural Sciences, Dehradun

### Research Publications

2021-22

1. Laishram Bikash Singh and **Vikrant**, Effects of seed treatment on termite damage in Wheat crop, The Pharma Innovation Journal, 2022, 11, 4, 457- 462. NAAS-5.23
2. Nishesh Sharma, Krishna Kumar Jaiswal, Vinod Kumar, Mikhail S.Vlaskin, **ManishaNanda**, Indra Rautela, Mahipal SinghTomar, WaseemAhmad, Effect of catalyst and temperature on the quality and productivity of HTL bio-oil from microalgae: a review, Renewable Energy, 2021, 174, 810-822. <https://doi.org/10.1016/j.renene.2021.04.147> Clarivate Analytics- 8.001, SCOPUS, Web of Science, UGC Care.
3. **ManishaNanda**, Krishna Kumar Jaiswal, Vinod Kumar, Mikhail S.Vlaskin, Pankaj Gautam, Vivekanand Bahuguna, PK Chauhan, Micro-pollutant Pb (II) mitigation and lipid induction in oleaginous microalgae Chlorella sorokiniana UUIND6, Environmental Technology & Innovation, 2021, 23, 101313. <https://doi.org/10.1016/j.eti.2021.101613> Clarivate Analytics- 5.263, SCOPUS, Web of Science, UGC Care.
4. **Manisha Nanda**, Vinod Kumar, Neha Arora, Mikhail S. Vlaskin, Manoj K. Tripathi, 1H NMR based Metabolomics and Lipidomics of Microalgae, Trends in Plant Science, 2021, 26, 9, 984-985. <https://doi.org/10.1016/j.tplants.2021.06.004> Clarivate Analytics- 18.313, SCOPUS, Web of Science, UGC Care.
5. Bhawna Bisht, Vinod Kumar, Prateek Gururani, Mahipal Singh Tomar, **ManishaNanda**, Makhail S.Vlaskin, Sanjay Kumar, Anna Kurbatova, The potential of nuclear magnetic resonance (NMR) in metabolomics and lipidomics of microalgae-a review, Archives of Biochemistry and Biophysics, 2021, 710, 108987. <https://doi.org/10.1016/j.abb.2021.108987> Clarivate Analytics- 4.013, SCOPUS, Web of Science, UGC Care.
6. Krishna Kumar Jaiswal, Vinod Kumar, Mikhail S.Vlaskin, **Manisha Nanda**, Impact of pyrene (polycyclic aromatic hydrocarbons) pollutant on metabolites and lipid induction in microalgae Chlorella sorokiniana (UUIND6) to produce renewable biodiesel, Chemosphere,

- 2021, 285, 131482. <https://doi.org/10.1016/j.chemosphere.2021.131482> Clarivate Analytics- 7.086, SCOPUS, Web of Science, UGC Care.
7. Vinod Kumar, Krishna Kumar Jaiswal, Mahipal Singh Tomar, Vishal Rajput, Shuchi Upadhyay, **Manisha Nanda**, Mikhail S. Vlaskin, Sanjay Kumar & Anna Kurbatova, Production of high value-added biomolecules by microalgae cultivation in wastewater from anaerobic digestates of food waste: a review, *Biomass Conversion and Biorefinery*, 2021. <https://doi.org/10.1007/s13399-021-01906-y> Clarivate Analytics- 4.987, SCOPUS, Web of Science, UGC Care.
  8. **Manisha Nanda**, Krishna Kumar Jaiswal, Vinod Kumar, Monu Verma, Mikhail S.Vlaskin, Prateek Gururani, Hyunoo Kim, Mohamed Fahad Alajmi, Afzal Hussain, Bio-remediation capacity for Cd (II) and Pb (II) from the aqueous medium by two novel strains of microalgae and their effect on lipidomics and metabolomics, *Journal of Water Process Engineering*, 2021, 44, 102404. <https://doi.org/10.1016/j.jwpe.2021.102404> Clarivate Analytics- 5.485, SCOPUS, Web of Science, UGC Care.
  9. Krishna Kumar Jaiswal, Vinod Kumar, Prateek Gururani, Mikhail S.Vlaskin, Afreen Parveen, **Manisha Nanda**, Anna Kurbatova, Pankaj Gautam, Anatoly V.Grigorenko, Bio-flocculation of oleaginous microalgae integrated with municipal wastewater treatment and its hydrothermal liquefaction for biofuel production, *Environmental Technology & Innovation*, 2022, 102340. <https://doi.org/10.1016/j.eti.2022.102340> Clarivate Analytics- 5.263, SCOPUS, Web of Science, UGC Care.
  10. Amit Sanotra, **Sanjay Kumar**, Analytical Analysis of Open Source Software Usage in India, *Journal of Engineering, Computing & Architecture*, 2021, 11, 2, 19-22.
  11. Harsha Pal, Ramandeep Kaur, **Pankaj Kumar**, Manju Nehra, Kritika Rawat, Nishant Grover, Ozlem Tokusoglu, Loveleen Kaur Sarao, Sandeep Kaur, Tanu Malik, Ajay Singh, Rajan Swami, Process parameter optimization for development of beer: Star fruit fortified approach, *Journal of Food Processing and Preservation*, 2021, 00:e15838. <https://doi.org/10.1111/jfpp.15838> Clarivate Analytics- 2.19, SCOPUS, Web of Science, UGC Care.

12. Vikas Pahal, **Pankaj Kumar**, Parveen Kumar, Vinod Kumar, Antibacterial activity and hormetic response of silver nanoparticles synthesized using leaflet extract of wheat (*Triticum aestivum*) and rice (*Oryza sativa*) crop plants, Journal of Applied Biology & Biotechnology, 2022, 10, 2, 154-167. <http://dx.doi.org/10.7324/JABB.2022.100219> SCOPUS- SNIP- 0.801, Web of Science, UGC Care.
13. **Pankaj Kumar**, A. K. Rai, A. Gupta, H. Phukon, A. Singh, D. Kalita, S. Sharma, K. Harshvardhan & R. C. Dubey, Pesticide-Degrading and Phosphate-Solubilizing Bacilli Isolated from Agricultural Soil of Punjab (India) Enhance Plant Growth, Microbiology [Springer], <https://doi.org/10.1134/S0026261722300130> Clarivate Analytics- 1.156, Web of Science, UGC Care.
14. **Versha Parcha**, Diveya J. Singh, Deepak Kumar and Jaswinder K Saini, Evaluation of anti-microbial potential of structurally modified derivatives of lead compound berberine isolated from roots of *berberis aristata*, Indian Drugs, 2021, 58, 9, 58-64. <https://doi.org/10.53879/id.58.09.12262> SCOPUS- SNIP- 0.123, UGC Care.
15. Abhay Prakash Mishra, Sarla Saklani, **Versha Parcha**, Manisha Nigam, Henrique D M Coutinho, Antibacterial activity and phytochemical characterisation of *Saussurea gossypiphora* D. Don., Archives of Microbiology [Springer], 2021, 203, 8, 5055-5065. <https://doi.org/10.1007/s00203-021-02494-1> Clarivate Analytics- 2.729, SCOPUS, Web of Science, UGC Care.
16. **Versha Parcha**, Sukanya Chhetri, Deepak Kumar and Rajendra Rana, Overview: Insights on the Phytochemical, Pharmacological, and Biological Aspects of *Acorus calamus* and *Artemisia roxburghiana*: Wild Aromatic Plant Species of Himalayan Region of Uttarakhand, GIS Science Journal, 2022, 9, 1, 1678-1704.
17. Dheeraj Bisht, Anita Singh, Ashok Sharma, **Versha Parcha**, Synthesis and Antihistaminic Potential of Some Novel Substituted Dinitrophenothiazine Derivatives, Journal of Reports in Pharmaceutical Sciences, 2022, 11, 1, 132-140. [https://doi.org/10.4103/jrptps.JRPTPS\\_72\\_21](https://doi.org/10.4103/jrptps.JRPTPS_72_21) SCOPUS- SNIP- 0.123, Web of Science, UGC Care.

18. **Deepak Kumar**, Ashwani Sanghi, Shefali Arora, Abdullah, Mohd. Danish and Aditya Swarup, Effect of methanol extract and its fractions of leaves of *Ougeinia oojeinensis* on different biological activities, Wutan Huatan Jisuan Jishu, 2021, XVII, X, 93-106.
19. **Deptee Warikoo**, Harshita Raghu, Lovish Gupta, Functional status and quality of life of judokas due to knee injury, International Journal of Current Research and Review, 2022, 14, 7, 1-5. <http://dx.doi.org/10.31782/IJCRR.2022.14708>
20. Ritika Mani, **Deptee Warikoo** and Sunil Bhatt, Effect of sensorimotor integration training on balance, neuromuscular control and reaction time in elderly, Indian Journal Of Applied Research, 2022, 12, 3, 17-19. <https://www.doi.org/10.36106/ijar/9600624>
21. Alhaz Mansuri, Richa Agarwal, **Deptee Warikoo**, Mrinal Patel, Avani Kacha, Patients' Satisfaction for Physiotherapy Care in various health centres in Dehradun, Indian Journal of Applied Research, 2022, 12, 4, 60-62. <https://www.doi.org/10.36106/ijar>
22. Nidhi Rawat, Kirti Mathur, **Deptee Warikoo** and Kritika Shukla, The Effectiveness of gastro-soleus stretching program in girls wearing high heels, Indian Journal of Applied Research, 2022, 12, 4, 63-64. <https://www.doi.org/10.36106/ijar>