**List of Publications**

1. Srichandan Padhi, Marco Masi, Yugal Kishore Mohanta, Muthupandian Saravanan, Swati Sharma, Alessio Cimmino, **Dhivya Shanmugarajan**, Antonio Evidente, Kumananda Tayung, Amit Kumar Rai, In silico pharmacokinetics, molecular docking and dynamic simulation studies of endolichenic fungi secondary metabolites: An implication in identifying novel kinase inhibitors as potential anticancer agents,Journal of Molecular Structure, Volume 1273,2023,134390,ISSN 0022-2860,https://doi.org/10.1016/j.molstruc.2022.134390.(https://www.sciencedirect.com/science/article/pii/S0022286022020397)
2. Niranjana Jaya Prakash, **Dhivya Shanmugarajan**, Xungai Wang, Balasubramanian Kandasubramanian,Enhancement of mechano-structural characteristics of silk fibroin using microwave assisted degumming,Sustainable Chemistry and Pharmacy,Volume 30,2022,100902,ISSN 2352-5541,https://doi.org/10.1016/j.scp.2022.100902.
3. Patil NA, Gore PM, Jaya Prakash N, Govindaraj P, Yadav R, Verma V, **Shanmugarajan D**, Patil S, Kore A, Kandasubramanian B. Needleless electrospun phytochemicals encapsulated nanofibre based 3-ply biodegradable mask for combating COVID-19 pandemic. Chem Eng J. 2021 Jul 15;416:129152. doi: 10.1016/j.cej.2021.129152. Epub 2021 Feb 26. PMID: 33654455; PMCID: PMC7907737.
4. Avinash Patil N, Macchindra Gore P, **Shanmugrajan D**, Patil H, Kudav M,Kandasubramanian B. 2021 Functionalized non-woven surfaces for combating the spread of the COVID-19 pandemic. Interface Focus 12:20210040.https://doi.org/10.1098/rsfs.2021.0040.
5. N. Jaya Prakash, **D. Shanmugarajan**, B. Kandasubramanian, P. Khot, K. Kodam.Biodegradable silk-curcumin composite for sustained drug release and visual wound monitoring. Materials Today Chemistry ( IF 7.613 ) Pub Date: 2022-11-29 , DOI:10.1016/j.mtchem.2022.101289
6. **Dhivya Shanmugarajan**, Charles David , Ganesh Munuswamy-Ramanujam, Arthi Venkatesan, Sureshkumar Chinaga, Lakshmi Akkiraju Jayasri. A significant role of various polymers conjugated with folic acid into micelles as a drug carrier in receptor-targeted drug delivery for breast cancer. Drug carriers in drug delivery , Chapter 3 , 2021, pp:203-228, Nova Science Publisher, New York.
7. Aathi MS, Kumar C, Prabhudesai KS, **Shanmugarajan D**, Idicula-Thomas S. Mapping of FSHR agonists and antagonists binding sites to identify potential peptidomimetic modulators. Biochim Biophys Acta Biomembr. 2022 Apr 1;1864(4):183842. doi: 10.1016/j.bbamem.2021.183842. Epub 2021 Dec 24. PMID: 34954201.
8. **Dhivya Shanmugarajan**, Lakshmi Jayasri Akkiraju,Subhamay Panda and Subhajit Hazra.Pharmacophore mapping and modeling approaches for drug development. Chapter 9 in Computational Approaches For Novel Therapeutic And Diagnostic Designing To Mitigate Sars-Cov-2 Infection Revolutionary Strategies to Combat Pandemics. Page no 171-185.
9. Subhamay Panda, Leena Kumari, Hemant Ramachandra Badwaik and **Dhivya Shanmugarajan**. Computational approaches for drug repositioning and repurposing to combat SARS-CoV-2 infection. Chapter 12 in Computational Approaches For Novel Therapeutic And Diagnostic Designing To Mitigate Sars-Cov-2 Infection Revolutionary Strategies to Combat Pandemics. Page no 247-262.
10. Vasundhara Pandita, Arpana Parihar, Dipesh Singh Parihar, Shubhmay Panda, **Dhivya Shanmugarajan**, Leena Kumari and Hemant Ramachandra Badwaik.System and network biology-based computational approaches for drug repositioning. Chapter 13 in Computational Approaches For Novel Therapeutic And Diagnostic Designing To Mitigate Sars-Cov-2 Infection Revolutionary Strategies to Combat Pandemics. Page no 262-283.