

## Publications

(2021-2022)

1. Abedin MM, Chourasia R, Phukon LC, Sudhir P Singh, & Rai AK\*. (2022). Characterization of ACE inhibitory and antioxidant peptides in yak and cow milk hard chhurpi cheese of the Sikkim Himalayan region. *Food Chemistry X*. 13, 100231. (IF: 6.443).
2. Adesina JM, Onwubiko AJ, Rajashaker Y, Mobolade-Adesina, TE, & Adesina FP. (2022). Susceptibility and reproductive capability of *Callosobruchus maculatus* (Coleoptera: Bruchidae) to *Datura metel* extracts as potential cowpea grains protectant. *International Journal of Tropical Insect Science*. 42(3), 2305-2312. (IF: 1.020).
3. Agrawal S, Nandeibam J, & Sarangthem I. (2021). Ultrastructural changes in methicillin-resistant *Staphylococcus aureus* (MRSA) induced by metabolites of thermophilous fungi *Acrophialophoralevis*. *PLoS ONE*. 16(10), e0258607. (IF: 3.75).
4. Agrawal S, Nandeibam J, & Devi I. (2021). Danger of exposure to keratinophilic fungi and other dermatophytes in recreational place in the northeast region of India. *Aerobiologia*. 37(4), 755-766. (IF: 2.376).
5. Ashokbhai JK, Basaiawmoit B, Das S, Sakure A, Maurya R, Bishnoi M, Kondepudi KK, Padhi S, Rai AK, Liu Z, & Hati S. (2022). Antioxidant, antimicrobial and anti-inflammatory activities and release of ultrafiltered antioxidative and antimicrobial peptides during fermentation of sheep milk: invitro, insilico and molecular interaction studies. *Food Bioscience*. 47, 101666. (IF: 5.318).
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8. Biswas S, Kar A, Sharma N, Haldar PK, & Mukherjee PK. (2021). Synergistic effect of ursolic acid and piperine in CCl<sub>4</sub> induced hepatotoxicity. *Annals of Medicine*. 53(1), 2009-2017. Doi: 10.1080/07853890.2021.1995625.
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10. Biswas S, Rahaman T, Gupta P, Mitra R, Dutta S, Kharlyngdoh E, Guha S, Ganguly J, Pal A, & Das M. (2022). Cellulose and lignin profiling in seven, economically important bamboo species of India by anatomical, biochemical, FTIR spectroscopy and thermogravimetric analysis. *Biomass and Bioenergy*. 158, 106362. (IF: 5.061).
11. Biswas S, Sarkar A, Kharlyngdoh E, Somkuwar BG, Biswas P, Dutta S, Guha S, & Das M. (2021). Evidence of stress induced flowering in bamboo and comments on probable biochemical and molecular factors. *Journal of Plant Biochemistry and Biotechnology*. 30(4), 1020-1026. (IF: 1.175).
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13. Chourasia R, Kumari R, Singh SP, Sahoo D, & Rai AK\*. (2022). Characterization of native lactic acid bacteria from traditionally fermented chhurpi of Sikkim Himalayan region for production of chhurpi with enhanced antioxidant effect. *LWT Food Science and Technology*. 154, 112801. (IF: 6.056).
14. Chourasia R, Padhi S, Phukon LC, Abedin MM, Sirhoi R, Sudhir P Singh, & Rai AK\*. (2022). Peptide candidates for the development of therapeutics and vaccines against  $\beta$ -coronavirus infection. *Bioengineered*. 13, 9435-9454. (IF: 6.832).
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23. Jadaun JS, Bansal S, Sonthalia A, Rai AK, & Singh SP. 2022. Biodegradation of Plastics for Sustainable Environment. *Bioresource Technology*. 347, 126697. (IF: 11.889).
24. Jayashree A, Ummalyama SB, Pandey A, & Bhaskar T. (2021). Recent trends in microbial nanoparticle synthesis and potential application in environmental technology: a comprehensive review. *Environmental Science and Pollution Research*. 28, 49362–49382. (IF: 4.3).
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30. Mukherjee PK, Efferth T, Das B, Kar A, Ghosh S, Singha S, Debnath P, Sharma N, Bhardwaj PK, & Haldar PK. (2022). Role of medicinal plants in inhibiting SARS-CoV-2 and in the management of post-COVID-19 complications. *Phytomedicine.* 98, 153930. Doi: 10.1016/j.phymed.2022.153930.
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34. Padhi S, Chourasia R, Kumari M, Singh SP, & Rai AK\*. (2022). Production and characterization of bioactive peptides from rice beans using *Bacillus subtilis*. *Bioresource Technology.* 351, 126932. (IF: 11.889).
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