

Publications

(2019 –2020)

1. Adesina JM, Bunindro N, Sahoo D, Rajashekar Y (2019) Traditional methods of food grains preservation and storage in Nigeria and India. *Ann. Agri. Sci.* 64(2), 196-205 (IF: 2.02).
2. Ankita D, Leichombam MS, Uttam R, Birendra KP, Tanuja S, Prabhudutta M, Luit MB, Rupam DK, Chandradev S, Sahoo D, Probodh B, Indira S, Soma C (2020) Molecular epidemiology of *Japanese Encephalitis* virus in pig population of Odisha, Assam and Manipur states of India. *Infect. Genetics Evol.* 83: 104325.
3. Awasthi A, Singh G, Dhyani V, Kumar J, Reddy YS, AdarshVP, Puthiyamadam, A, Kumar K, Sukumaran RK, Ummalyma SB, Sahoo D, Bhaskar T (2019) Co- pyrolysis of phumdi and para grass biomass from Loktak Lake. *Bioresour. Technol.* 285: 121308 (IF 7.53).
4. Bhattacharjee C, Deb L (2020) Anti-inflammatory potential of Heat Shock Protein -90 (HSP90) inhibitors. *Curr. Chem. Biol.* 14(1): 30 - 37.
5. Bonita LC, Devi GAS, Singh CB (2019) Physical and cooking characteristics of some lima bean cultivars grown in North East India. *Res. Crop.* 20(2): 289-295.
6. Chanu LV, Nongalleima K, Singh SP, Chanu WK, Singh CB, Singh OM (2019) Synthesis, anti-inflammatory evaluation and in silico studies of naphtho[1,2- e][1,3]oxazine derivatives as potential non-steroidal anti-inflammatory agents. *Med. Chem. Res.* 29: 229-242 (IF: 1.72).
7. Devi AM, and Rajashekar Y et al. (2020) Chemical compositions and insecticidal efficacies of four aromatic essential oils on rice weevil *Sitophilus oryzae* L. *Int. J. Trop. Insect Sci.* 1-11 (IF: 0.92)
8. Devi AM, Sahoo D, Singh TB, Rajashekar Y (2019) Toxicity, repellency and chemical composition of essential oils from *Cymbopogon* species against red flour beetle *Tribolium castaneum* Herbst (Coleoptera: Tenebrionidae). *J. Consum. Prot. Food S.* 1-11 (IF: 0.64).
9. Devi PP, Chipem FAS, Singh CB, Lonibala RK (2019) Complexation of 2-amino-3-(4-hydroxyphenyl)-N'-[(2-hydroxyphenyl) methylene] propane hydrazide with Mn (II), Co (II), Ni (II), Cu (II) and Zn (II) ions. *J. Mol. Struc.* 1176 (15): 7-18 (IF: 2.12).

10. Djeni TN, Kouame KH, Ake FD, Amoikon LS, Marcellin KD, Jeyaram K (2020) Microbial Diversity and metabolite profiles of palm wine produced from three different palm tree species in Côte d'ivoire. *Sci. Reports.* 10(1):1-12 (IF: 4.525).
11. Godan TK, Rajesh RO, Loreni C Phukon, Rai AK, Sahoo D, Binod P (2019) Biotransformation of 5-hydroxymethylfurfural by *Acinetobacter oleivorans* S27 for the synthesis of furan derivatives. *Bioresour. Technol.* 282: 88-93 (IF – 7.53).
12. Gurung B, Bains S, Saha D, Singh K, Bhardwaj PK, Sahoo D (2019) Molecular cloning and characterization of *farnesyl pyrophosphate synthase* gene from *Panax sokpayensis*, a new *Panax* species from Sikkim Himalaya. *J Appl. Res. Med. Aroma.* 14: 100215 (IF: 1.966).
13. Gurung PD, Upadhyay AK, Bhardwaj PK, Sowdhamini R, Ramakrishnan U (2019) Transcriptome analysis reveals plasticity in gene regulation due to environmental cues in *Primula sikkimensis*, a high altitude plant species. *BMC Genomics.* 20:989 (IF: 3.730).
14. Kapesa K, Deepantia W, Bonysana RK, Rajashekar Y (2020) Anthroentomophagy and ethnoentomology among ethnic Mao- Naga and Poumai-Naga tribes of Manipur, North-East India. *J. Insects. Food Feed.* IF: 2.54 (Accepted).
15. Kumar J, Sharma N, Kaushal G, Sanjukta S, Sahoo D, Rai AK, Singh SP (2019) Metagenomics of kinema reveals the seasonal variations in the taxonomic and functional features during natural fermentation. *Front. Microbiol.* 1744: 1-17 (IF – 4.259).
16. Loreni CP, Chourasia P, Kumari M, Godan TK, Sahoo D, Parameswaran P, Rai AK (2020) Production and characterisation of lipase for application in detergent industry from a novel *Pseudomonas helmanticensis* HS6. *Biores. Technol.* 123352 (IF – 7.53).
17. Ng N, Indira S, Kalita MC (2019) Screening of endophytes from traditionally used medicinal plants of Manipur for their antimicrobial activity: An impact towards future drug discovery. *Int. J. Sci. Res. Biol. Sci.* 6 (5): 39-47.
18. P. Devi TA, Sahoo D, Setti A, Kalita MC and Indira S (2019) Characterization of plant growth promotion and disease control trends of rhizobacteria isolated from Umorok (*Capsicum chinense*). *Int.j. chem. Stud.* 7(2): 313-321.
19. Phazna Devi TA, Sahoo D, Setti A, Sharma C, Kalita MC and Indira S (2020) Bacterial rhizosphere community profile at different growth stages of Umorok (*Capsicum chinense*) and its response to the root exudates. *Int. Microbiol.* 23: 241–251 (IF: 1.258).

20. Phazna Th, Sahoo D, Indira S, Kalita MC, Aravind S (2019) Rhizobacterial isolates of *Capsicum chinense* inhibited fungal pathogen *Rhizoctonia solani*. *Int. J. Sci. Res.* 6:112-117.
21. Puthiyamadam P, Adarsh VP, Mallapureddy KK, Mathew A, Kumar J, Yenumala SR, Bhaskar T, Ummalyma SB, Sahoo D, Sukumaran RK (2019) Evaluation of wet processing strategy for mixed phumdi biomass conversion to bioethanol. *Bioresour. Technol.* 289:121633. (IF: 7.53).
22. Rai AK, Pandey A, Sahoo D (2019) Biotechnological potential of yeasts in functional food industry. *Trends Food Sci. Tech.* 83: 129-137 (IF – 11.077).
23. Rajesh RO, Godan TK, Rai AK, Sahoo D, Binod P (2019) Biosynthesis of 2,5-furandicarboxylic acid by *Aspergillus flavus* APLS-1: Process optimization and intermediate product analysis. *Bioresour. Technol.* 284: 155- 160 (IF – 7.53).
24. Raval IH, Labala RK, Raval KH, Chatterjee S, Haldar S (2020) Characterization of VopJ by modelling, docking and molecular dynamics simulation with reference to its role in infection of enteropathogen *Vibrio parahaemolyticus*. *J Biomol Struct Dyn.* DOI: 10.1080/07391102.2020.1734486 (IF: 3.3).
25. Sadananda K, Biseshwari T, Bipin K (2019) Orchid Species of Manipur and its commercial aspect. *Int. J. Pharma. Life Sci.* 10 (7-8).
26. Sahoo D, Awasthi A, Singh G, Dhyan V, Kumar J, Reddy YS, Adarsh VP, Puthiyamadam A, Kumar K, Sukumaran RK, Ummalyma SB, Bhaskar T (2019) Value addition of water hyacinth and para grass through pyrolysis and hydrothermal liquefaction. *Carbon Resour. Convers.* 2: 233-241.
27. Sahoo D, Jusna N, Ngashangva N, Momota P, Rojeena Y, Indira S (2019) Draft Genome Sequence of *Arthrobacter globiformis* MRC11, an antimicrobial agent isolated from a Khangkhui Cave Deposit. *Microbiol. Resour. Announc.* 8: 11.
28. Sessou P, Keisam S, Tuikhar N, Mariama G, Farougou S and Jeyaram K (2019) High-throughput Illumina MiSeq amplicon sequencing of yeast communities associated with indigenous dairy products from Republics of Benin and Niger. *Front. Microbiol.* 10:594, (IF: 4.259).

29. Singh A, Ummalyama SB (2020) Bioremediation and biomass production of microalgae cultivated in river water contaminated with pharmaceutical effluent. *Bioresou. Technol.* 307:123233 (IF: 7.53).
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31. Singh SP, Hussain I, Konwar BK, Deka RC, Singh CB (2020) Design of potential IKK- β inhibitors using molecular docking and molecular dynamics techniques for their anti-cancer potential. *Curr. Comput-Aid. Drug.* 2 (IF: 0.935).
32. Tiwari A, Sherpa YL, Pathak AP, Singh LS, Gupta A, Tripathy A (2019) One-pot green synthesis of highly luminescent silicon nanoparticles using *Citrus limon* (L.) and their applications in luminescent cell imaging and antimicrobial efficacy. *Mater. Today. Commun.* 19:62-67 (IF: 2.678).
33. Tuikhar N, Keisam S, Labala RK, Imrat, Ramakrishnan P, Arunkumar MC, Ahmed G, Biagi E and Jeyaram K (2019) Comparative analysis of the gut microbiota in centenarians and young adults shows a common signature across genotypically non-related populations. *Mech. Ageing Dev.* 179: 23-35 (IF: 4.304).
34. Ummalyama SB, Sukumaran RK, Pandey A (2020) Evaluation of Freshwater Microalgal isolates for growth and oil production in sea water medium. *Waste Biomass Valorisation.* 11: 223-230 (IF- 2.851).
35. Chanda J, Mukherjee P K, Biswas R, Singha S, Kar A, Halder P K, (2020). Lagenariasiceraria and its bioactive constituents in carbonic anhydrase inhibition: A bioactivity guided LC–MS/MS approach. *Phytochemical Analysis.* <https://doi.org/10.1002/pca.2975> (IF: 2.772)
36. Sharma A, Katiyar CK, Banerjee S, Chanda J, Kar A, Biswas Sayan, Mukherjee P K. (2019). RP-HPLC and HPTLC Methods for Analysis of Selected Herbs Used as Complexion Promoters in Ayurveda and Unani Systems of Medicine. *Journal of AOAC International, AOAC International* doi:10.5740/jaoacint.19-0290 (IF: 1.12)
37. Banerjee S, Bhattacharjee P, Kar A, Mukherjee P K. (2019). LC-MS/MS analysis and Network Pharmacology of *Trigonella foenum graecum* a plant from Ayurveda against

Hyperlipidemia and Hyperglycemia with combination synergy. *Phytomedicine* 60: 152944 (IF: 4.180).