Dr. Anubhuti Jha

Assistant Professor (Biotechnology)

Area of Specialization

- Infection Biology
- Drug discovery
- Computational biology

Affiliation

- Journal referee: 1. Saudi Pharmaceutical Journal
  2. Journal of Herbal Medicine

Awards

- Young Researcher Award 2021: Institute of Scholars
- Young scientist Award, 2018: Biotechnology by CG Science Congress
- Young scientist Award 2018: Biotechnology, Microbiology and Nanotechnology ICERB GGU Bilaspur,

Publications

- Paper titled "Target shortage and less explored multiple targeting: hurdles in the development of novel antifungals but overcome/addressed effectively through structural bioinformatics" has been published in Briefings in bioinformatics Vol 1(1), 1–8, 2020
- Paper titled "Hemiterpene compound, 3,3-dimethylallyl alcohol promotes longevity and neuroprotection in Caenorhabditis elegans" has been published in GeroScience Vol 43 (2), 791-807,2020.
- Paper titled "Molecular docking and ADMET-based mining of terpenoids against targets of type-II diabetes" has been published in Network Modeling Analysis of Health Informatics and Bioinformatics Vol 9(21). 2020
- Paper titled "Anticandidal agent for multiple targets: the next paradigm in the discovery of proficient therapeutics/overcoming drug resistance" has been published in Future Medicinal Chemistry Vol 11 (22) 2955-2974. 2019
- Paper titled "Subtractive Proteome Analysis of Candida Albicans Divulges Promising Antifungal Targets" has been published in International Journal Peptide Research & Therapeutics Vol 6(1-8). 2019.
- Paper titled " Identification Of Potential Inhibitors Targeted For Strengthening Search Of Anti-Leishmanial Therapeutics, Biologia 75 (3) 437-4452019
- Paper titled "Deciphering the role of Sodium Lignosulfonate against Candida spp. as persuasive anticandidal agent. Int J of Biological Macromol Vol 107(A): 1212-12192017

- Paper titled " Multiple drug targeting potential of novel ligands against virulent proteins of Candida albicans. " has been published in International Journal of Peptide Research & Therapeutics 2019
- Paper titled " Inhibitors of CPH1-MAP kinase pathway: ascertaining potential ligands as multi-target drug candidate in Candida albicans. " has been published in Journal of Peptide Graphics and Modeling; 1-14,2018
- Paper titled " Development and targeting of transcriptional regulatory network controlling FLUI activation in Candida albicans for novel antifungals " has been published in J of Mol Graph & Model; Vol 69(1-7). 2016
- Paper titled "Selaginella bryopteris Aqueous Extract Improves Stability and Function of Cryopreserved Human Mesenchymal Stem Cells" has been published in Oxida Med and Cellul Longev; Article ID 8530656, 10.2017
- Paper titled " Synthesis, anti-cancer evaluation and molecular docking studies of novel 4-hydroxy-2-thioxo-3,4-dihydro-2H-[1,3]thiazin-6-yl)-chromen-2-ones via multi-component approach. " has been published in Journal of Chinese Chem Society; Vol 65(7): 810–821.2017
- Paper titled " 3-Methyl-3-buten-1-ol (isoprenol) confers longevity and stress tolerance in Caenorhabditis elegans" has been published in Inter Journal of Food Science and Nutrition; Vol 9:1-8. 2019
- Paper titled "On-Water NiFe2O4 Nanoparticle-Catalyzed One-Pot Synthesis of Biofunctionalized Pyrimidine-Thiazole Derivatives: in Silico Binding Affinity and in Vitro Anticancer Activity Studies" has been published in Chem Select; Vol 3:11012-11019. 2017
- Paper titled " Eugenol derivatives prospectively inhibit L-asparaginase: A heady target protein of Salmonella typhimurium" has been published in " has been published in Microb Pathog; Vol 114: 8-16. 2017
- Paper titled " Evaluation of antileishmanial potential of computationally screened compounds targeting DEAD-box RNA helicase of Leishmania donovani " has been published in J of Peptide Graph and Model; Vol 121, 480-487. 2018
- Paper titled " Identification of trans -2- cis -8-Matricaria-ester from the essential oil of erigeron multiradiatus and evaluation of its Antileishmanial potential by in Vitro and in Silico approaches, ACS omega; HF01:4938, 2.1 2019
- Jha A, Kumar A, (2019) Paper titled "Bio-based technologies for the efficient extraction of biopolymers from waste biomass, Bioprocess Biosystems Eng. Sep 21. 2019
- Book-Anticandidal Agents (Academic press, Elsevier, September 16; ISBN 9780128113127)

Conferences Papers

Presented papers at many National and International Conferences as follows

- Presented a paper titled "Clinical and Pathogenic Approaches for Management of Mucormycosis, on June 25-26, 2021 by IITDM Jabalpur

- Presented a paper titled "T-2307 divulges as an antifungal inhibitor of FLU1 in Candida albicans, an opportunistic pathogen" on Septemper 2018 on International Conference on Emerging research in biosciences, Bilaspur, India.
- Presented a paper titled "Natural products based cinnamic acid scaffold for novel antifungal drug discovery against *Candida albicans* on 13-15th January 2018 organized by International Society of Chemists and Biologists, Jaipur, India.
- Presented a paper titled "*In Silico* investigation decipher 2-O-prenylcoumaric_acid as potent inhibitor of cell wall synthesis in *Candida albicans*. Association of Microbiologists of India, Guwahati, India. 2017
- Presented a paper titled "Pharmacological significance of 2-O-prenylcoumaric acid as an antifungal inhibitor of chitin synthesis in *Candida albicans.* 2nd International Conference on Frontier in Pharmaceutical Sciences and Research, Raipur, India. 2017
- Presented a paper titled "Traditional therapies used by tribes of Chhattisgarh for the treatment of hyper coagulation, International Conference on Bharat Rejuvenation, GGU Bilaspur, India.2017
- Presented a paper titled "Ethnopharmacology vs. Bioprospecting –scope for natural antifungals, 3rd International Congress of the Society for Ethnopharmacology, Raipur, India. 2016