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Research Assistant Professor

Biotech and Omics.....

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موقع المكتب: B-25.....

يعمل في الجامعة: منذ 2018

الحالة الاجتماعية: .....

Reported the anti-codon table of the chloroplast genome (Under Review). https://www.biorxiv.org/content/10.1101/2022.04.24.489293v1.full 2

المؤهلات الأكاديمية

PhD (University of Turin, Italy), 2011

MS Bioinformatics (University of Turin, Italy), 2007

M.Sc. Biotechnology (North Orissa University), 2006

أنشطة التدريس

Bacteriology, Spring 2021

Metabolic Engineering, 2016

Advanced metabolic engineering, 2017

الأنشطة البحثية

الاهتمامات البحثية –

tRNA, Genomics, Proteomics & Plant Molecular Biology

Construction of virtual 2-D proteome map of plant, fungi, plastome, and bacteria

Functional analysis of quadruplet anti-codons

Functional analysis of small peptides of plants and fungi

Speed Breeding using chemical agent

المنشورات –

مقال:

1. 2022 Biswas K, Mishra AK, Rauta PR, Al-Sehemi AG, Pannipara M, Sett A, Bratovcic A, Avula SK, Tapan Kumar Mohanta, Saravanan M, Mohanta YK. (2022). Exploring the bioactive potential of C60-AgNPs nanocomposites against malignancies and microbial infections. International Journal of Molecular Sciences, 22 (2): 714. IF 6.208

2. 2022 Mustafa F, Chopra H, Baig AM, Avula SK, Kumari S, Tapan Kumar Mohanta, Saravanan M, Mishra A, Sharma N, Mohanta YK. (2022). Edible mushrooms as novel myco-therapeutics: effect on lipid level, obesity, and BMI. Journal of Fungi, 8: 211. IF 5.724

3. 2022 YK Mohanta, Mishra AK, Nayak D, Patra B, Bratovcic A, Avula SK, Tapan Kumar Mohanta, Saravanan M, Murugan K. (2022). Exploring dose dependent cytotoxic profile of Gracilaria edulis mediated green synthesized silver nanoparticles against MDA-MB-231 breast carcinoma. Oxidative Medicine and Cellular Longevity, 2022: 3863138. IF 7.31

4. 2022 Madhanvan Y, Shanmugan DK, Sai KV, Manimaran A, Guruviah K, Mohanta YK, Venugopal DC, Tapan Kumar Mohanta*, Sharma N, Muthupandian S. (2022).Current treatment options for COVID-19 associated Mucormycosis: present status and future perspectives. Journal of Clinical Medicine, 11(13): 3620. IF 4.964

5. 2022 S. Mahanta, T Naiya, K Biswas, L Chnagkakoti, YK Mohanta, B Tanti, AK Mishra, Tapan Kumar Mohanta*, N Sharma. (2022). Plant Source Derived Compound Exhibited In Silico Inhibition of Membrane Glycoprotein In SARS-CoV-2: Paving The Way To Discover a New Class of Compound For Treatment of Covid-19. Frontiers in Pharmacology, 13: 805344. IF 5.988

6. 2022 Chakraborty I, Mohanta YK, Nogbet A, Tapan Kumar Mohanta*, Mohanta S, Das N, Saravanan M, Sharma N. (2022). Exploration of lamiaceae in cardiovascular disease and functional foods: Medicine as food and food as medicine. Frontiers in Pharmacology, 13: 894814. IF 5.988

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8. 2022 Pandey VK, Prajapati GK, Tapan Kumar Mohanta, Mishra AK. (2022). N-glycosylation, a leading role in viral infection and immunity development. Molecular Biology Reports, 49: 8109-8120. IF 2.702

9. 2022 Kumar H, Aggarwal A, Marwaha MG, Deep A, Chopra H, Matin MM, Roy A, Emran TB, Mohanta YK, Tapan Kumar Mohanta, Ahmed R, Muthupandian S, Kumar R. (2022). Thiazolidin 2,4-dione scaffold: an insight into recent advances as antimicrobial, antioxidant, hypoglycemic agents, mechanism of action, and patent granted. Molecules, 27(12): 6763 IF 4.927

10. 2022 Mohanta YK, Nayak D, Mishra AK, Chakrabartty I, Ray MK, Tapan Kumar Mohanta, Tayung K, Rajaganesh R, Vasanthakumaran M, Muthupandian S, Murugan K, Sharma G, Dahms H-U, Hwang J-S. (2022) Green synthesis of endolichenic fungi functionalized silver nanoparticles: the role in antimicrobial, ant-cancer, and mosquitocidal activities. International Journal of Molecular Sciences, 23: 10626. IF: 6.208

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Tapan Kumar Mohanta*, Pietro Ariana, Nanaocha Sharma, Paola Defilippi. Role of Azithromycin in Antiviral Treatment: Enhancement of Interferon-Dependent Antiviral Pathways and Mitigation of Inflammation May Rely on Inhibition of the MAPK Cascade? Am. J. Trans Res, .12(12): 7702-7708 2020 .24

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.pepridine derivatives as NO releasing PDE5 inhibitors. Biomedicines, 8: 121

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Tapan Kumar Mohanta*, Hanhong Bae. (2017). Cloning and characterization of auxin 2017 .59
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Tapan Kumar Mohanta*, Tufail Bashir, Hashem Abeer, Elsayed Fathi Abd_Allah. (2017). 2017 .62
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العضوية في الهيئات المهنية

2022–الآن: Topic editor, Opportunities and Challenges for nanotechnology in Sustainable Agri-Food Production, Frontiers in Nanotechnology

2022–الآن: Topic editor, Fungi for food and environment sustainability, Frontiers in Microbiology

2022–الآن: Topic editor, Structural Variation of the Chloroplast Genome and Related Bioinformatics Tools, Frontiers in Plant Science

2022–الآن: Associate Editor, Mitochondrial DNA Part B: Resources, Taylor & Francis

2022–الآن: Associate Editor, Frontiers in Ecology and Evolution

2022–الآن: Associate Editor, Frontiers in Molecular Biosciences

2022–الآن: Editorial Board Member, Scientific Reports

2022–الآن: Editorial Board Member, BMC Plant Biology

2021–الآن: Named as top 2% highy cited researcher in the world as per Standford University Ranking

2021–الآن: Editorial Board Member, BMC Genomic Data

2021–الآن: Member, Australasian proteomics society

2021–الآن: Editorial board member, BMC Research notes, Springer Nature

2020-2020: (Honorary Rosalind Membership, London Journal Press (Membership ID: UK43494

2020–الآن: Topic Editor, International Journal of Molecular Sciences (IJMS), MDPI

2020–الآن: Associate editor, Frontiers in Plant Science, Frontiers Media

2020–الآن: Associate Editorial Board Member, Current Proteomics, Bentham Science

2018–الآن: Editor, Current Protein and Peptide Science, Publisher: Bentham Science

2017–الآن: Asian Council of Science editors

2010–الآن: Member, American society of plant pathology

الجوائز والتقدير

2008: Government of Italy Doctoral Scholarship for International Students (Full tuition fee and living stipend).

2007: Italian Government fellowship, Department of Secondary and higher education, Ministry of HRD, Govt. of India (Selected through all India Competition).

2006: Ranked first, M.Sc. Biotechnology degree examination, North Orissa University, India

2003: Meritorious student award, Bachelor’s degree study, Karanjia College Karanjia, India

2003: Ranked 3rd in Botany Honours, B.Sc. degree examination, North Orissa University, India