



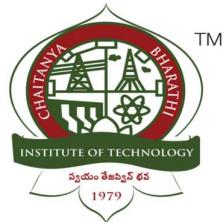
CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)

Affiliated to Osmania University

Department of Biotechnology

List of Quality Publication – Q1 Journals

Academic Year: 2024-25 (Total 6)				
S.L No	Faculty Name(s)	Title of the Paper, Journal, Date of publication	Name of the Journal and Publisher	Scopus Citation
1	Papathoti NK, Kanduri BH, Gorrekanti K, Obula Reddy chittepu , Thepbandit W, Hoang NH, Sangpueak R, Saengchan C, Le Thanh T, Buensanteai K.	Structural insights into methanol to ethanol conversion through pMMO and MDH from <i>Methylococcus capsulatus</i> using the protein-protein interactions and molecular dynamics simulations https://doi.org/10.1016/j.biombioe.2025.108031 Published on: 13 June 2025	Biomass and Bioenergy (Elsevier) I.F:5.8	0
2	P. Mullai, S.M. Sambavi, S. Vishali, K. Dharmalingam , S. Sutha, S. Dinesh, T. Anandhi, Md Abdullah Al Noman, Abubakar M. Bilyaminu, Anina James,	An integrated review on the role of different biocatalysts, process parameters, bioreactor technologies and data-driven predictive models for upgrading biogas, https://doi.org/10.1016/j.jenvman.2025.125508 Published on: 5 May 2025	Journal of Environmental Management (Elsevier) I.F:8.4	2
3	Mishra, Bishwambhar , Parashuram Kallem, Rajasri Yadavalli , Sanjeeb Kumar Mandal , C. Nagendranatha Reddy , B. Sumithra , N. S. Lakshmayya, and Fawzi Bana.	Industrial wastewater treatment using extracellular polymer substances/bioflocculants: a review. https://doi.org/10.1007/s13201-025-02401-9 Published on: 20 February 2025	Applied Water Science (Springer) I.F:6.2	9
4	Mullai, P., S. Vishali, and K. Dharmalingam .	Residence time distribution experiments in a hybrid anaerobic blanket reactor treating real pharmaceutical wastewater. https://doi.org/10.1016/j.itice.2024.105381 Published on: 6 February 2024	Journal of the Taiwan Institute of Chemical Engineers (Elsevier) I.F:6.3	0
5	Mishra, Bishwambhar , Jibanjyoti Panda, Awdhesh Kumar Mishra, Pinku Chandra Nath, Prakash Kumar Nayak, Uttara Mahapatra, Minaxi Sharma, Hitesh Chopra, Yugal Kishore Mohanta, and Kandi Sridhar.	Recent advances in sustainable biopolymer-based nanocomposites for smart food packaging: A review. https://doi.org/10.1016/j.ijbiomac.2024.135583 Published on: 11 September 2024	International Journal of Biological Macromolecules (Elsevier) I.F:8.5	67



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List of Quality Publication – Q1 Journals

6	Mohanta, Y.K., Biswas, K., Mishra, A.K., Patra, B., Mishra, B. , Panda, J., Avula, S.K., Varma, R.S., Panda, B.P. and Nayak, D., 2024.	Amelioration of gold nanoparticles mediated through Ocimum oil extracts induces reactive oxygen species and mitochondrial instability against MCF-7 breast carcinoma. https://doi.org/10.1039/d4ra04807e Published on: 02 Sep 2024	RSC advances (Royal Society of Chemistry) I.F:4.5	14
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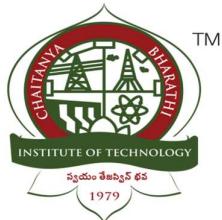
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List of Quality Publication – Q1 Journals

Academic Year: 2023-24 (Total 7)				
S.L No	Faculty Name(s)	Title of the Paper, Journal, Date of publication	Name of the Journal and Publisher	Scopus Citation
1	Mullai, P., S. Vishali, and K. Dharmalingam	Residence time distribution experiments in a hybrid anaerobic blanket reactor treating real pharmaceutical wastewater https://doi.org/10.1016/j.jtice.2024.105381 Published on: 6 February 2024	Journal of the Taiwan Institute of Chemical Engineers (Elsevier) I.F:6.3	3
2	Doolam, Balaji, Bishwambhar Mishra , Divyamshu Surabhi, Sanjeeb Kumar Mandal, Spoorthi Sada, Naru Rakesh Reddy, Jibanjyoti Panda, Sarvesh Rustagi, Awdhesh Kumar Mishra, and Yugal Kishore Mohanta.	A systematic review of potential bioactive compounds from <i>Saccharomyces cerevisiae</i> : exploring their applications in health promotion and food development https://doi.org/10.1007/s10668-024-04969-9 Published on: 29 April 2024	Environment, Development and Sustainability (Springer) I.F:4.5	6
3	Nath, Pinku Chandra, Awdhesh Kumar Mishra, Ramesh Sharma, Biswanath Bhunia, Bishwambhar Mishra , Ajita Tiwari, Prakash Kumar Nayak	Recent advances in artificial intelligence towards the sustainable future of agri-food industry https://doi.org/10.1016/j.foodchem.2024.138945 Published on: 5 March 2024	Food Chemistry (Elsevier) I.F:9.8	110
4	Bishwambhar Mishra ; Awdhesh Kumar Mishra; Yugal Kishore Mohanta; Rajasri Yadavalli ; Dinesh Chand Agrawal; Himavarshini Parvath Reddy; Rithika Gorrepati; Chintakunta Nagendranatha Reddy; Sanjeeb Kumar Mandal	Postbiotics: The New Horizons of Microbial Functional Bioactive Compounds in Food Preservation and Security. https://doi.org/10.1186/s43014-023-00200-w Published on: 27 February 2024	Food Production, Processing and Nutrition (Springer) I.F:6.8	52
5	Mrunal S Wagh, S Sowjanya, Pinku Chandra Nath, Arnab Chakraborty, Rajshree Amrit, Bishwambhar Mishra , Awdhesh Kumar Mishra, Yugal Kishore Mohanta	Valorisation of agro-industrial wastes: circular bioeconomy and biorefinery process—a sustainable symphony https://doi.org/10.1016/j.psep.2024.01.055 Published on: 19 January 2024	Process Safety and Environmental Protection (Elsevier) I.F:7.8	138



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List of Quality Publication – Q1 Journals

6	Ramesh Sharma, Pinku Chandra Nath, Yugal Kishore Mohanta, Biswanath Bhunia, Bishwambhar Mishra , Minaxi Sharma, Shweta Suri, Maharsi Bhaswant, Prakash Kumar Nayak, Kandi Sridhar	Recent advances in cellulose-based sustainable materials for wastewater treatment: An overview https://doi.org/10.1016/j.ijbiomac.2023.128517 Published on: 29 November 2023	International Journal of Biological Macromolecules (Elsevier) I.F:8.5	66
7	P Mullai, S Vishali, SM Sambavi, K Dharmalingam , MK Yugeswari, VC Vadivel Raja, B Bharathiraja, Bayar Büşra, Haris Nalakath Abubackar, Md Abdullah Al Noman, Eldon R Rene	Energy generation from bioelectrochemical techniques: Concepts, reactor configurations and modeling approaches https://doi.org/10.1016/j.chemosphere.2023.139950 Published on: 28 August 2023	Chemosphere (Elsevier) I.F:8.1	4



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List of Quality Publication – Q1 Journals

Academic Year: 2022-23 (Total 3)				
S.L No	Faculty Name(s)	Title of the Paper, Journal, Date of publication	Name of the Journal and Publisher	Scopus Citation
1	C. Nagendranatha Reddy, Parashuram Kallem, K.V.S.S.N. Mounika, Abdul Muqeet, J Caleb Joel Raj, C.V.S. Aishwarya, Rakesh Kumar Gupta, Veerababu Polisetti, Bishwambhar Mishra, Y. Rajasri, Sanjeeb Kumar Mandal, Mikael S. Hedenqvist, Fawzi Banat	Review of microplastic degradation: Understanding metagenomic approaches for microplastic degrading organisms https://doi.org/10.1016/j.polymertesting.2023.108223 Published on: 27 September 2022	Polymer Testing (Elsevier) I.F:6.0	26
2	Rajasri Yadavalli, Praharshita Valluru, Roshni Raj, C. Nagendranatha Reddy, Bishwambhar Mishra	Biological detoxification of mycotoxins: Emphasizing the role of algae https://doi.org/10.1016/j.algal.2023.103039 Published on: 4 March 2023	Algal Research (Elsevier) I.F:4.5	16
3	Mishra B, Muthupandian S, Barabadi H, Tayung K and Mohanta YK	Editorial: Anti-cancer bioactive molecules from microbial sources https://doi.org/10.3389/fphar.2023.1190354 Published on: 13 April 2023	Frontiers in Pharmacology (Frontiers Group) I.F:4.5	2