

# ABSTRACTS OF THE INTERNATIONAL CHEMICAL ENGINEERING CONFERENCE 2021:

100 GLORIOUS YEARS OF CHEMICAL ENGINEERING & TECHNOLOGY

**ICheEC2021 (16-19 September 2021)**

ORGANIZED BY  
DEPARTMENT OF CHEMICAL ENGINEERING,  
NIT JALANDHAR



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Years of Chemical Engineering & Technology  
ICheEC2021 (16-19 September 2021)*

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ICheEC2021 (16-19 September 2021)

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**(100 Glorious Years of Chemical Engineering & Technology)**  
**Department of Chemical Engineering, NIT Jalandhar**

**September 16-19, 2021**

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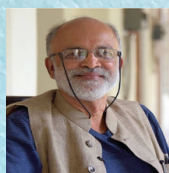
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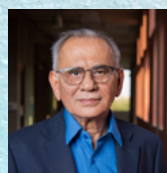
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8. Effect of experimental parameters on photocatalytic degradation efficiency of TiO<sub>2</sub> nanoparticles synthesized by electrochemical method towards Rhodamine B dye solution under natural sunlight  
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#### **List of Papers Published in Biomass Conversion and Biorefinery**

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1. Dey R, Maarisetty D, Baral SS. A comparative study of bioelectrochemical systems with established anaerobic/aerobic processes. *Biomass Conversion and Biorefinery*. 2022 Jan 28:1-6, <https://doi.org/10.1007/s13399-021-02258-3>
2. Shah Y, Maharana M, Sen S. Peltophorum pterocarpum leaf extract mediated green synthesis of novel iron oxide particles for application in photocatalytic and catalytic removal of organic pollutants. *Biomass Conversion and Biorefinery*. 2022 Jan 15:1-4, <https://doi.org/10.1007/s13399-021-02189-z>
3. Sarkar S, Gayen K, Bhowmick TK. Green extraction of biomolecules from algae using subcritical and supercritical fluids. *Biomass Conversion and Biorefinery*. 2022 Jan 14:1-23, <https://doi.org/10.1007/s13399-022-02309-3>
4. Sireesha S, Upadhyay U, Sreedhar I. Comparative studies of heavy metal removal from aqueous solution using novel biomass and biochar-based adsorbents: characterization, process optimization, and regeneration. *Biomass Conversion and Biorefinery*. 2022 Jan 15:1-3, <https://doi.org/10.1007/s13399-021-02186-2>

5. Sireesha S, Agarwal A, Sopanrao KS, Sreedhar I, Anitha KL. Modified coal fly ash as a low-cost, efficient, green, and stable adsorbent for heavy metal removal from aqueous solution. *Biomass Conversion and Biorefinery*. 2022 May 4:1-24., <https://doi.org/10.1007/s13399-022-02695-8>
6. Bhatia PK, Agrawal S, Sreedhar I, Parameshwaran R. Biomass-based polymers as effective drag-reducing agents in turbulent flow. *Biomass Conversion and Biorefinery*. 2022 Jan 11:1-6, <https://doi.org/10.1007/s13399-021-02077-6>
7. Asmare BM, Tesemma MN, Gebremariam SN, Endalamaw TB. Comparison of calorific values and physico-chemical properties among three age groups and height positions of *Acacia decurrens* (Willd). *Biomass Conversion and Biorefinery*. 2022 Jan 27:1-0., <https://doi.org/10.1007/s13399-021-02242-x>



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