

CSIR-NISCAIR



Indian J Chem Techn

MARCH 2

CODEN: ICHTEU 28 (2) 131-242(2)

ISSN: 0971-457X (Print); 0975-0991(On

ijct@niscair.re

http:// nopr.niscair.re

35

Indian Journal of Chemical Technology



www.niscair.res.in

Published by

CSIR-National Institute of Science Communication And
Information Resources

New Delhi, INDIA

in association with

Indian National Science Academy, New Delhi, INDIA

Indian Journal of Chemical Technology

www.niscair.res.in; http://nopr.niscair.res.in

VOLUME 28

NUMBER 2

March 2021

CODEN: ICHTEU

ISSN: 0971-457X(Print); 0975-0991 (Online)

CONTENTS

Papers

- Lipase catalyzed esterification of Docosaheaxaenoic acid (DHA) with immobilized *Pseudomonas cepacia* and *Thermomyces lanuginosus* 139
Aditi Sharma, Kriti Bhandari, Anjali Jain, Satyendra P Chaurasia* & Ajay K Dalai
- Molecular characterization of blue-green algae (*Anabaena constricta*) and comparative studies of biodiesel production from other species 150
Vinaya Tiwari*, Alok Das, Shallu Thakur & R K Trivedi
- Peganum Harmala plant as an Adsorbent for the Removal of Copper(II) Ions from water 163
Raiedhah Alsaiani*, Fatima Alqadri, Iman Shedaiwa & Mabkhoot Alsaiani
- Enhanced photocatalytic degradation of nigrosine dye from its aqueous solution using La₂Ce₂O₇ nanoparticles 172
Nutan Salvi, Rukhsar Banu, Chetna Ameta, Rakshit Ameta & Pinki B Punjabi*
- Pine Needle biochar as a Low cost Adsorbent for Removal of Malachite Green dye from wastewater 180
Priyanka Joshi, Anjana Srivastava* & Prakash Chandra Srivastava
- Characterization and evaluation ethyl acetate extract of *melochia corchorifolia* leaf- anticancer antibiological and molecular docking studies on breast cancer estrogen receptor 188
M Vinoth, B Natarajan* & C Shanmuga Sundaram
- Bio adsorption of nickel and cadmium ions from a binary solution onto sugarcane bagasse lignin: kinetic and thermodynamic study 197
Viviana Eloisa Gomez, Maria Lorena Correa, Jorge Alberto Velásquez & Germán Camilo Quintana*
- Uptake of heavy metal Cd(II) from aqueous solutions using brown algae *Sargassum myriocystum* 207
Jeba Sweetly Dharmadhas*, Selvakumar Sakthivel & Ushani Uthirakrishnan
- Dried ridge gourd: An excellent source for ecofriendly activated carbon 217
Kashinath Barik*, Pallishree Prusti & Soumya S Mohapatra

- Ultrasound assisted esterification of *Moringa oleifera* oil and its optimization by central composite design 224
S Niju & G Janani
- Selective hydrogenation of cinnamaldehyde to hydrocinnamaldehyde over nickel-carbon composite catalyst 231
Kamala Mandy Hansda, Ajit Das & Nagendranath Mahata*
- Microwave assisted facile synthesis of 3D flower-like ZnO nanostructures for enhanced photocatalytic degradation/removal of Eosin Y from water 237
Archita Bhattacharjee & Md Ahmaruzzaman*

Authors for correspondence are indicated by (*).
