

European Journal of Chemistry

An International Open Access Journal

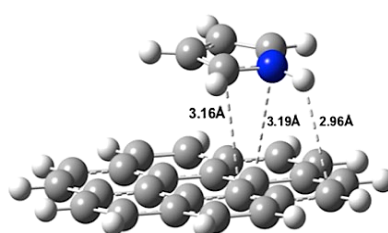
Graphical Contents

Volume 13, Issue 4, 31 December 2022

European Journal of Chemistry 13 (4) (2022) 371-380

A density functional study of the coronene-pyrrole system in relation to its possible application as NO₂ and NH₃ sensors

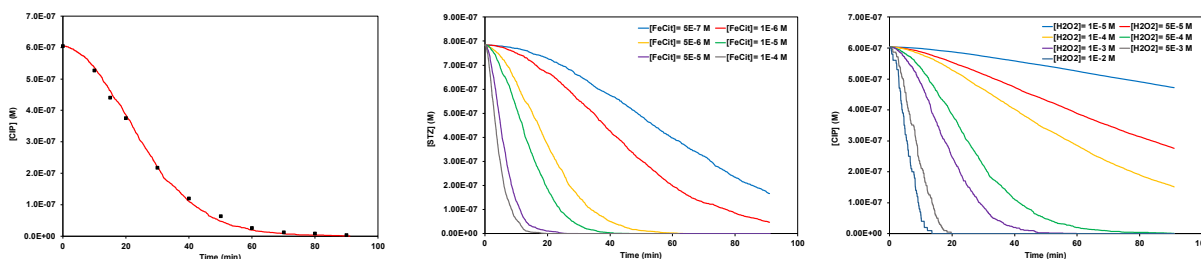
Cintha Susana Olmedo-Martínez, Jesús Moisés Hernández-Duarte, Roberto Mejía-Olvera, Sandy-María Pacheco-Ortín, and Esther Agacino-Valdés



European Journal of Chemistry 13 (4) (2022) 381-386

Kinetic simulation of photo-Fenton process in removal of sulfamethazine, ciprofloxacin, sulfathiazole and amoxicillin by Monte Carlo modeling

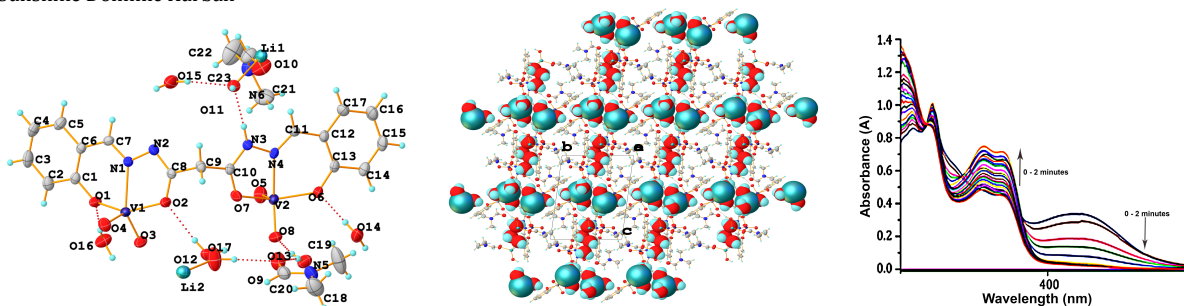
Hamid Dezhampannah and Hamed Moradmand Jalali



European Journal of Chemistry 13 (4) (2022) 387-392

Bimetallic dioxidovanadium(V) complex containing a malonohydrazide derivative ligand: Synthesis, characterization, and crystal structure

Sunshine Dominic Kurbah



European Journal of Chemistry

ISSN 2153-2249 (Print) / ISSN 2153-2257 (Online) – Copyright © 2022 Atlanta Publishing House LLC – Printed in the USA.

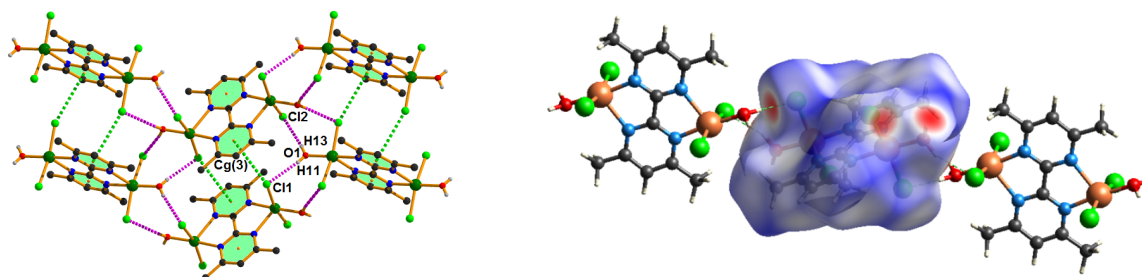
This work is published and licensed by Atlanta Publishing House LLC – CC BY NC – Some Rights Reserved.

<https://dx.doi.org/10.5155/eurjchem.13.4.iii-vi.2356>

European Journal of Chemistry 13 (4) (2022) 393-401

Rationalization of supramolecular interactions of a newly synthesized binuclear Cu(II) complex derived from 4,4',6,6'-tetramethyl 2,2'-bipyrimidine ligand through Hirshfeld surface analysis

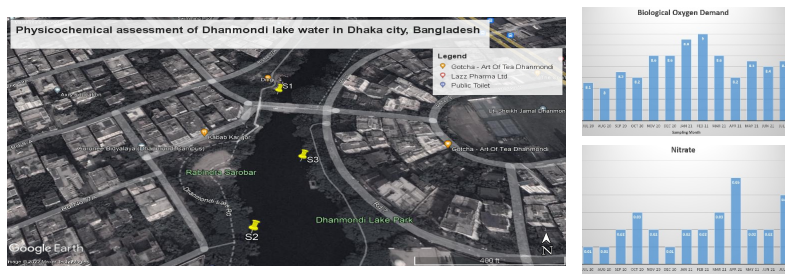
Samit Pramanik, Subrata Mukhopadhyay and Kinsuk Das



European Journal of Chemistry 13 (4) (2022) 402-406

Physicochemical assessment of Dhanmondi lake water in Dhaka city, Bangladesh

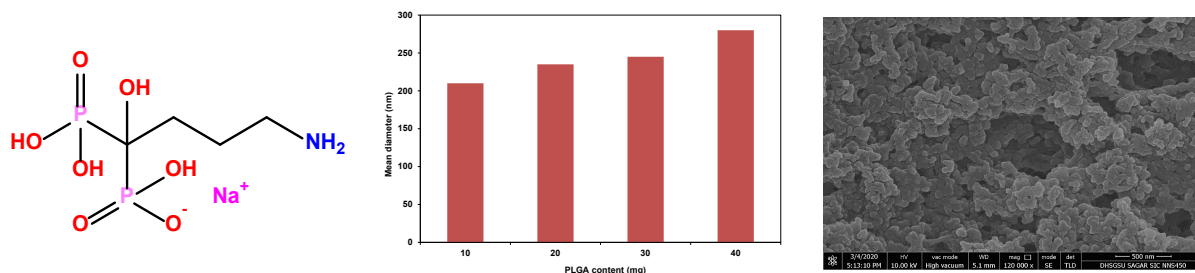
Mohammed Khorshed Ali, Ahmed Jubaer, Muhammad Tasneem Zafar and Mohammad Zahirul Islam Talukder



European Journal of Chemistry 13 (4) (2022) 407-414

Alendronate functionalized PLGA based nanoparticles for the effective treatment of osteoporosis-Formulation to in-vitro release kinetic studies

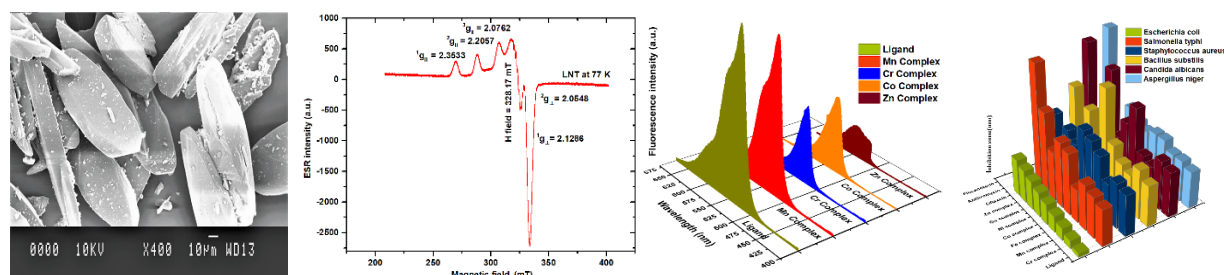
Sandhya Pathak, Sandeep Shukla, Bharat Patel, Satyendra Kumar Tripathi and Archana Pandey



European Journal of Chemistry 13 (4) (2022) 415-425

A heterocyclic N'-(4-(diethylamino)-2-hydroxybenzylidene)-4-oxopiperidine-1-carbohydrazone Schiff base ligand and its metal complexes: Synthesis, structural characterization, thermal behavior, fluorescence properties, and biological activities

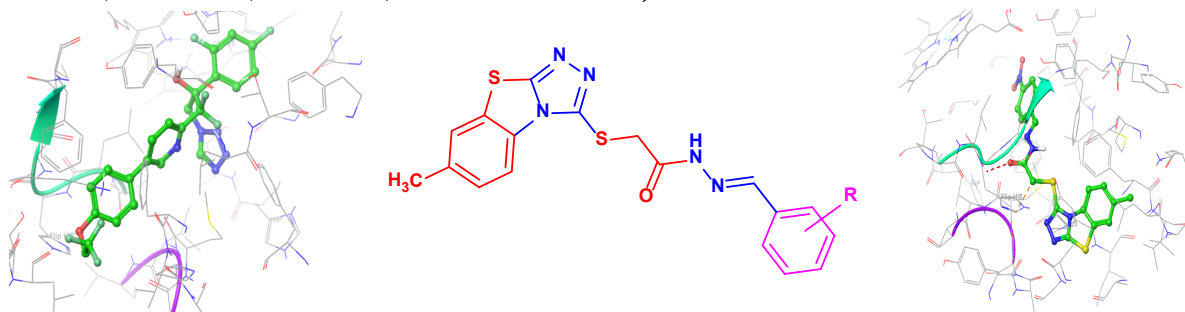
Gajanan Mahadu Dongare and Anand Shankarrao Aswar



European Journal of Chemistry 13 (4) (2022) 426-434

Synthesis, Type II diabetes inhibitory activity, antimicrobial evaluation, and docking studies of *N'*-arylidene-2-((7-methylbenzo[4,5]thiazolo[2,3-c][1,2,4]triazol-3-yl)thio)acetohydrazides

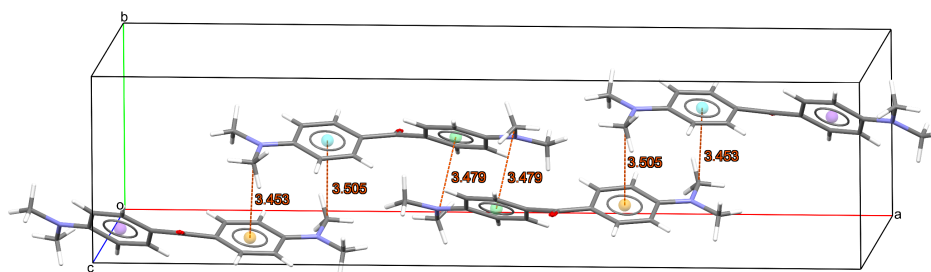
Satbir Mor, Suchita Sindhu, Mohini Khatri, Ravinder Punia and Komal Jakhar



European Journal of Chemistry 13 (4) (2022) 435-439

Crystal and molecular structure of Michler's ketone as a pure phase

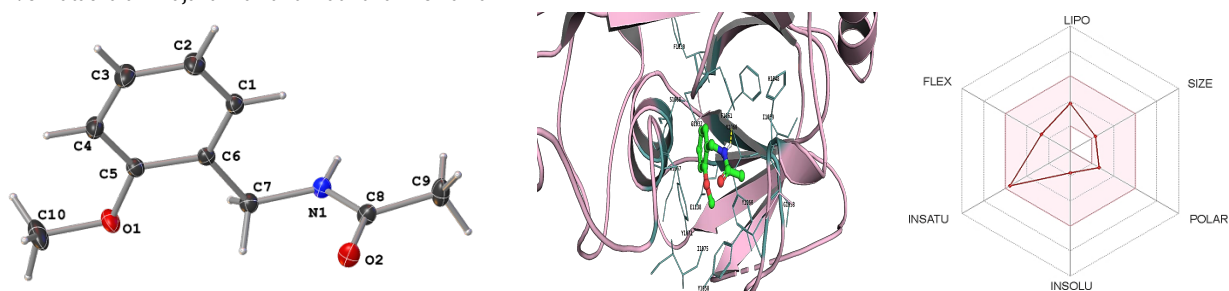
Ibukun Oluwaseun Shotonwa and René T. Boéré



European Journal of Chemistry 13 (4) (2022) 440-450

Crystal structure, in silico molecular docking, DFT analysis and ADMET studies of *N*-(2-methoxy-benzyl)-acetamide

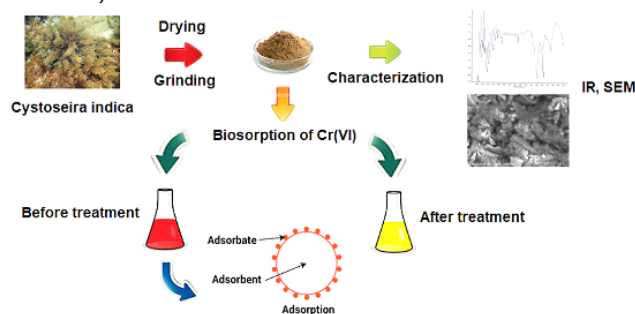
Suganya Murugan, Prasanth Gunasekaran, Jayasudha Nehru, Anaglit Catherine Paul, Necmi Dege, Emine Berrin Cinar, Savaridasson Jose Kavitha, Kasthuri Balasubramani, Kaliyaperumal Thanigaimani, Venkatachalam Rajakannan and Madhukar Hemamalini



European Journal of Chemistry 13 (4) (2022) 451-459

Adsorption studies of hexavalent chromium ions on the dead biomass of *Cystoseira indica*

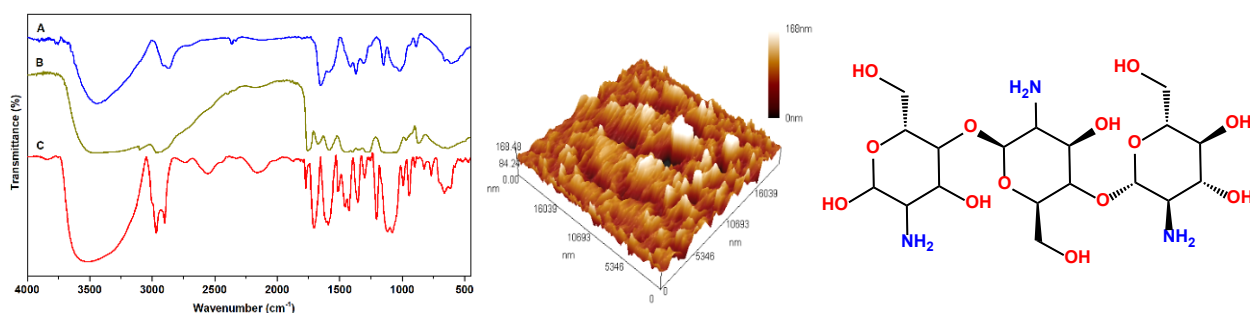
Zahid Mahmood, Samreen Zahra and Izza Ijaz



European Journal of Chemistry 13 (4) (2022) 460-467

The effect of different molecular weight chitosan on the physical and mechanical properties of plasticized films

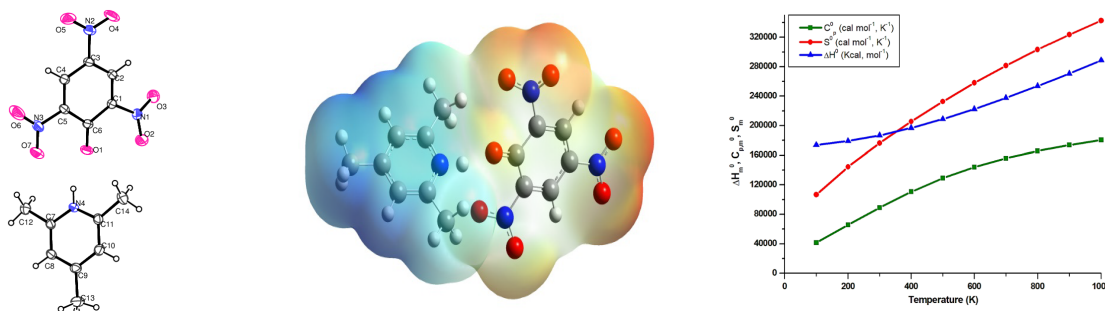
Sara Hikmet Mutasher and Hadi Salman Al-Lami



European Journal of Chemistry 13 (4) (2022) 468-477

The crystal magnification, characterization, X-ray single crystal structure, thermal behavior, and computational studies of the 2,4,6-trimethylpyridinium picrate

Nahide Burcu Arslan and Fatma Aydin



European Journal of Chemistry 13 (4) (2022) 478-482

Phytochemical analysis, investigation of antioxidant and anti-inflammatory activities of ethanolic and aqueous extracts of roots of Combretum glutinosum Perr. ex DC from Côte d'Ivoire

Sylla Tahiri, M'bra Kouassi Fulgence and Dongui Bini Kouamé



European Journal of Chemistry 13 (4) (2022) 483-490

Chiral metallic anticancer drugs: A brief-review

Sofi Danish Mukhtar and Mohammad Suhail

