European Journal of Chemistry

An International Open Access Journal

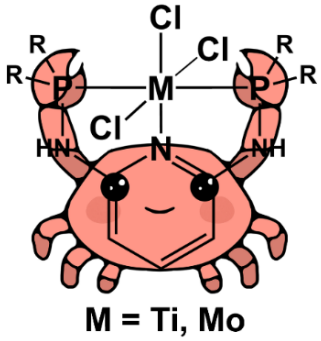
Graphical Contents

Volume 14, Issue 3, 30 September 2023

European Journal of Chemistry 14 (3) (2023) 311-315

Synthesis and structural characterization of Ti(III) and Mo(III) complexes supported by PNP pincer ligands

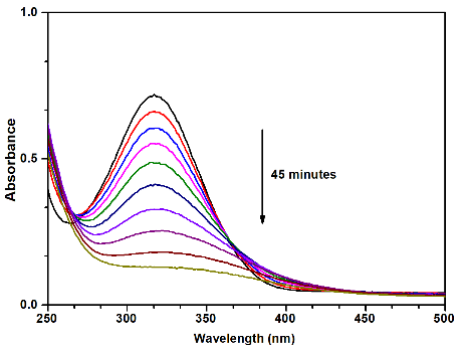
Rita Ruivo, Luis Alves and Ana Martins

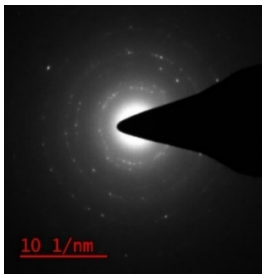


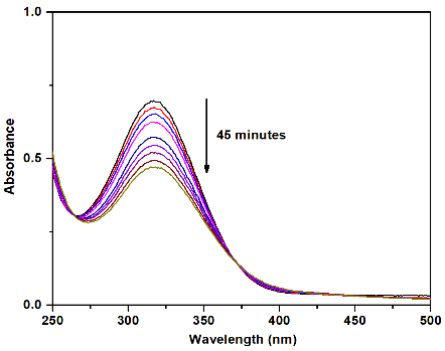
European Journal of Chemistry 14 (3) (2023) 316-322

Green synthesis of silver nano-catalyst using ionic liquid and their photocatalytic application to the reduction of *p*-nitrophenol

Ravi Ranjan, Durga Gupta and Madhulata Shukla



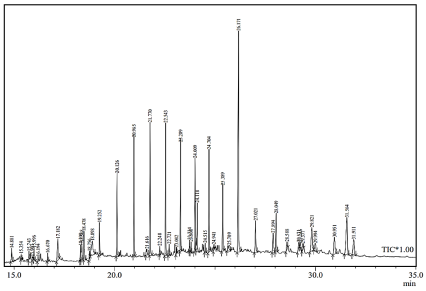


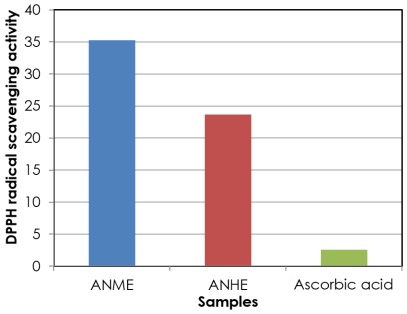


European Journal of Chemistry 14 (3) (2023) 323-329

Composition, antioxidant and anti-inflammatory activities of different polarity extracts of *Artemisia nilagirica* collected from hilly areas in the Himalayan terrain of Uttarakhand

Vaishali Garia, Shiv Kumar Dubey, Ananya Bahuguna, Ravendra Kumar, Om Prakash and Dharmendra Singh Rawat



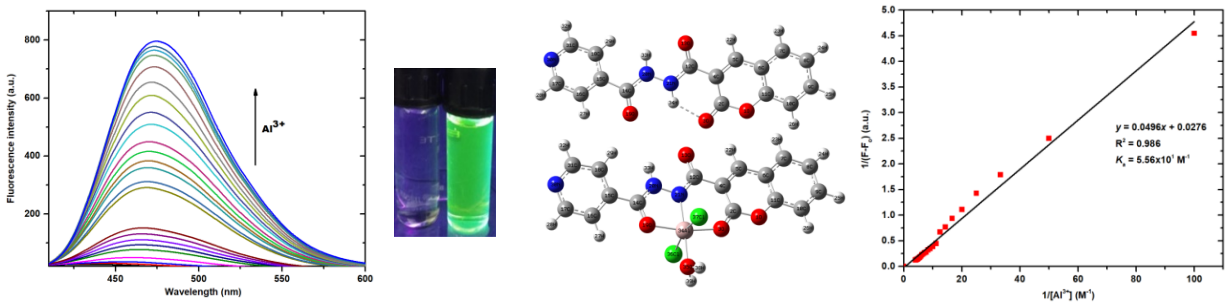


European Journal of Chemistry
ISSN 2153-2249 (Print) / ISSN 2153-2257 (Online)
https://dx.doi.org/10.5155/eurjchem.14.3.iii-vi.2477

European Journal of Chemistry 14 (3) (2023) 330-336

Coumarin-hydrazone-based fluorescence sensor for Al(III) detection in aqueous solution: DFT calculation and DNA interaction studies

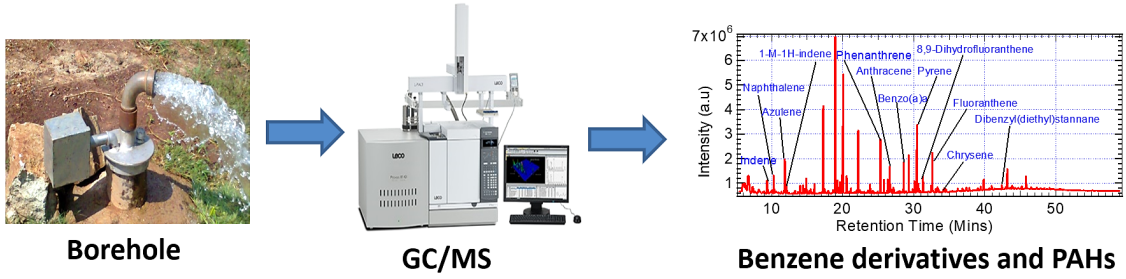
Sunshine Dominic Kurbah and Ndege Simisi Clovis



European Journal of Chemistry 14 (3) (2023) 337-347

Organic contaminants in the groundwater of the Kerio Valley water basin, Baringo County, Kenya

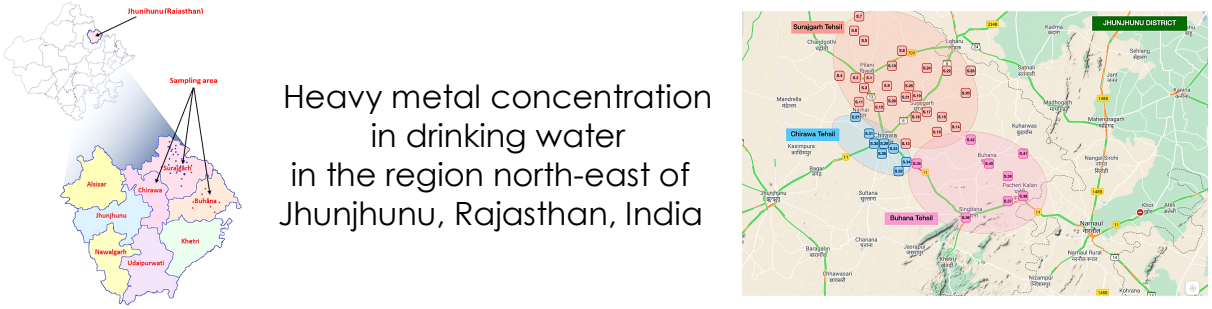
Festus Kipkemoi Langat, Joshua Kiprotich Kibet, Francis Inyangala Okanga and John Onyango Adongo



European Journal of Chemistry 14 (3) (2023) 348-352

Heavy metal concentrations in drinking water in the region north-east of Jhunjhunu, Rajasthan, India

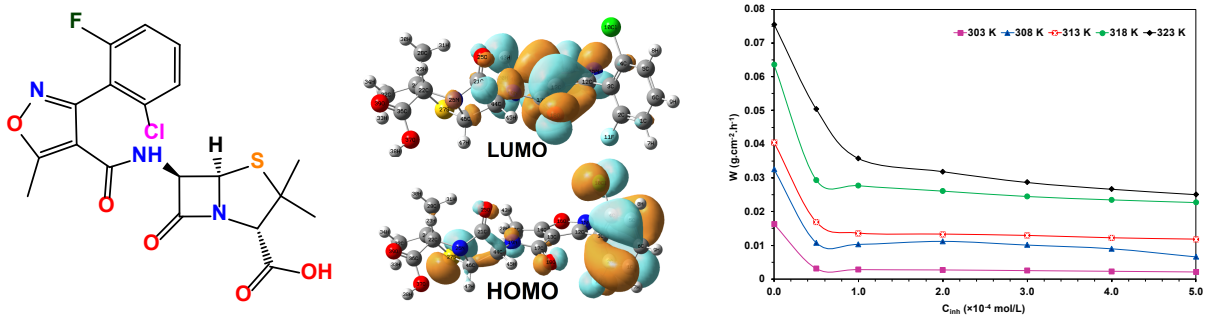
Anil Kumar



European Journal of Chemistry 14 (3) (2023) 353-361

Study of expired Fuclo 500 drug as an environmentally sustainable corrosion inhibitor

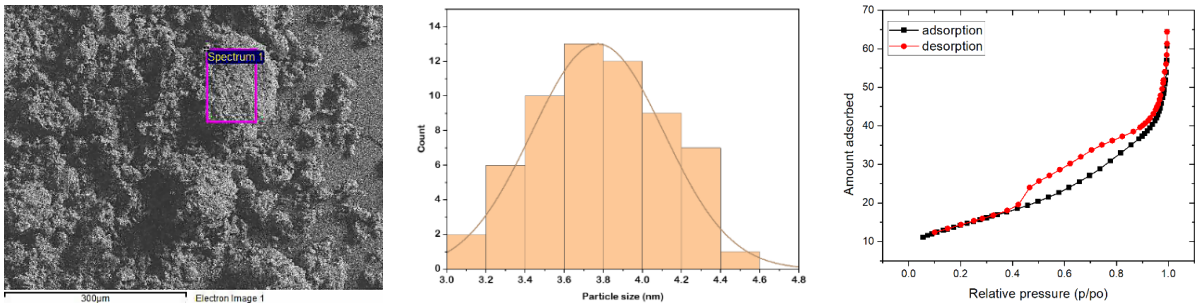
Aphouet Aurélie Koffi, N'guadi Blaise Allou, Mougo André Tigori, Teminfolo Yaya Soro, Albert Trokourey and Paulin Marius Niamien



European Journal of Chemistry 14 (3) (2023) 362-369

Modification and characterization of selected Zambian clays for potential use as photocatalysts

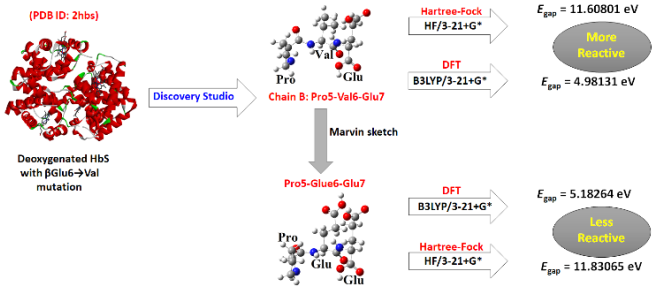
Mary Mambwe, Kennedy Kabaso Kalebaila, Todd Johnson and John Moma



European Journal of Chemistry 14 (3) (2023) 370-375

A quantum chemistry background of sickle cell anemia and gaps in antisickling drug development

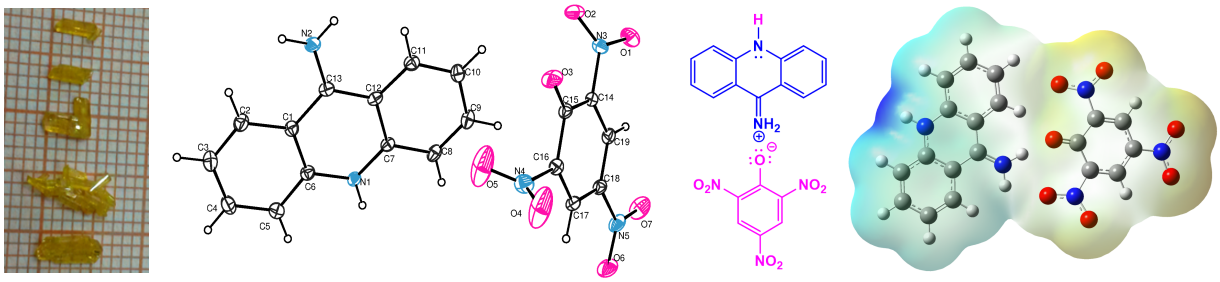
Mohammad Suhail, Safwana Usmani and Mehmood Ahmad



European Journal of Chemistry 14 (3) (2023) 376-384

Synthesis and structural characterization and DFT calculations of the organic salt crystal obtaining 9-aminoacridine and picric acid: 9-Aminoacridinium picrate

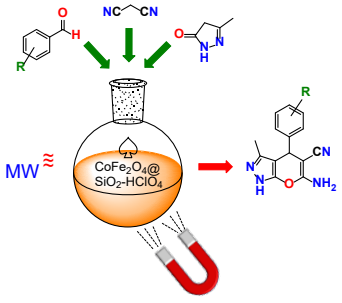
Fatma Aydin and Nahide Burcu Arslan



European Journal of Chemistry 14 (3) (2023) 385-392

Magnetically recoverable nanocatalyst for the synthesis of pyranopyrazoles: CoFe2O4@SiO2-HClO4

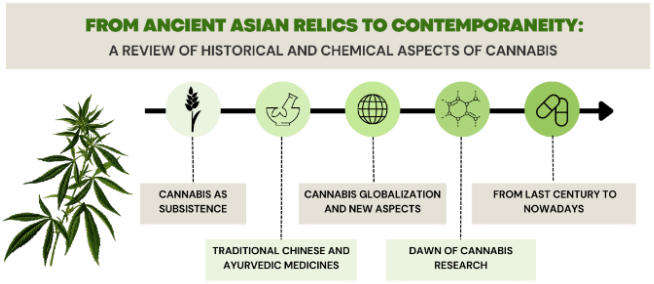
Nikita Vinod Thakare, Anand Shankar Aswar and Nilesh Govindrao Salunkhe



European Journal of Chemistry 14 (3) (2023) 393-400

From ancient Asian relics to contemporaneity: A review of historical and chemical aspects of *Cannabis*

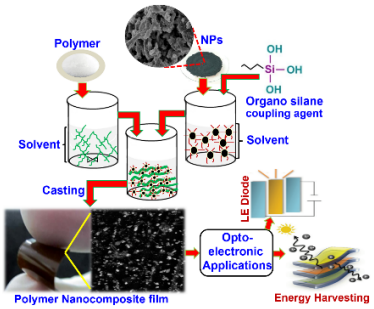
Gabriel Vitor de Lima Marques and Renata Barbosa de Oliveira



European Journal of Chemistry 14 (3) (2023) 401-413

Metal oxide nanofillers induced changes in material properties and related applications of polymer composites

Murad Qassim Abdulraqeb Al-Gunaid, Gayitri Hebbur Maheshwarappa, Shashikala Badaga Shivanna, Mohammed Ali Hussein Dhaif-Allah, Waled Abdo Ahmed and Fares Hezam Al-Ostoot



European Journal of Chemistry 14 (3) (2023) 414-428

Advancing circular economy in industrial chemistry and environmental engineering: Principles, alignment with United Nations sustainable development goals, and pathways to implementation

Salaha Saeed, Muhammad Yousaf Arshad and Anam Suhail Ahmed