

European Journal of Chemistry

An International Open Access Journal

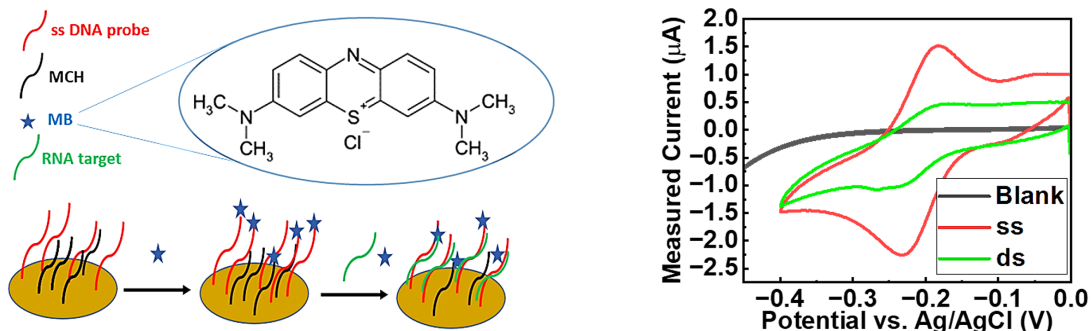
Graphical Contents

Volume 17, Issue 2, 30 June 2026

European Journal of Chemistry 17 (2) (2026) 89-98

Experimental comparison of electrochemical and quantum transport-based biodetection methods for RNA cancer biomarkers

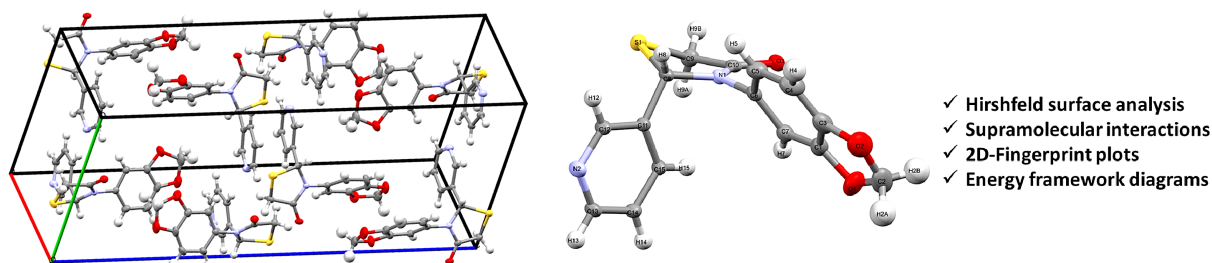
Ajoke Williams, Keshani Gayathri Gunasinghe Pattiya Arachchilage, Subrata Chandra and Juan Manuel Artés Vivancos



European Journal of Chemistry 17 (2) (2026) 99-108

Synthesis, crystal structure, Hirshfeld surface and interaction energies analysis of 3-(benzo[d][1,3]dioxol-5-yl)-2-(pyridin-3-yl)thiazolidin-4-one

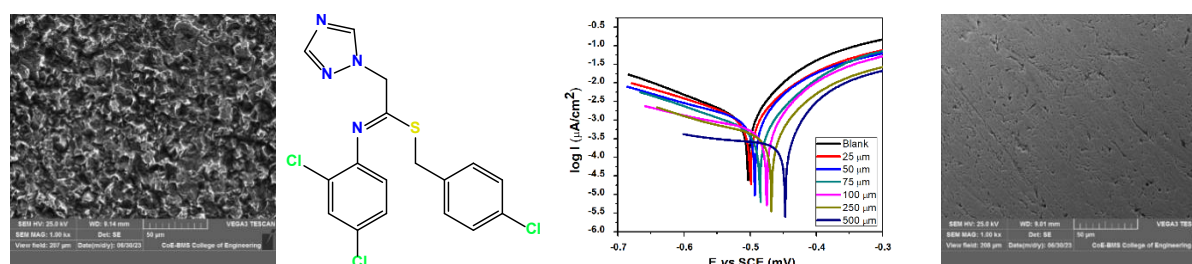
Summara Kousar, Raed Al-Qawasmeh, Monther Khanfar and Muhammad Saeed



European Journal of Chemistry 17 (2) (2026) 109-117

Corrosion inhibition performance of imibenconazole for mild steel in sulfuric acid: A comprehensive investigation

Nayana Kudluru Onkarappa, Jeevan Chakravarthy Arakalagudu Satyanarayana and Prashanth Shivappa Adarakatti



European Journal of Chemistry

ISSN 2153-2249 (Print) / ISSN 2153-2257 (Online) – Copyright © 2026 Atlanta Publishing House LLC – Printed in the USA.

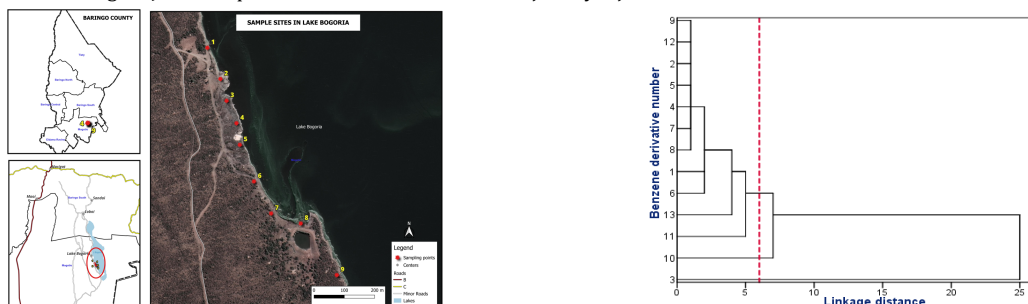
This work is published and licensed by Atlanta Publishing House LLC – CC BY NC – Some Rights Reserved.

<https://dx.doi.org/10.5155/eurichem.17.2.iii-vi.2810>

European Journal of Chemistry 17 (2) (2026) 118-124

Determination of benzene derivatives in geothermal waters of Lake Bogoria hot springs

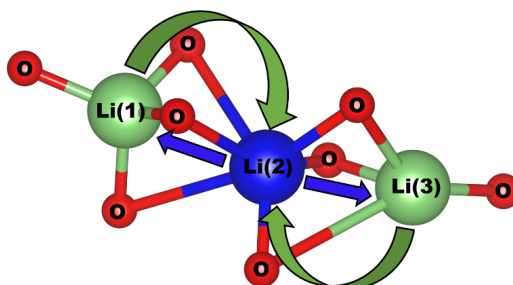
Anzelim Eliwa Sunguti, Joshua Kiprotich Kibet and Thomas Karanja Kinyanjui



European Journal of Chemistry 17 (2) (2026) 125-137

Toward an improved solid-state Li electrolyte: A first-principles investigation of the structure, Li-ion migration pathways, and ionic conductivity of $\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$

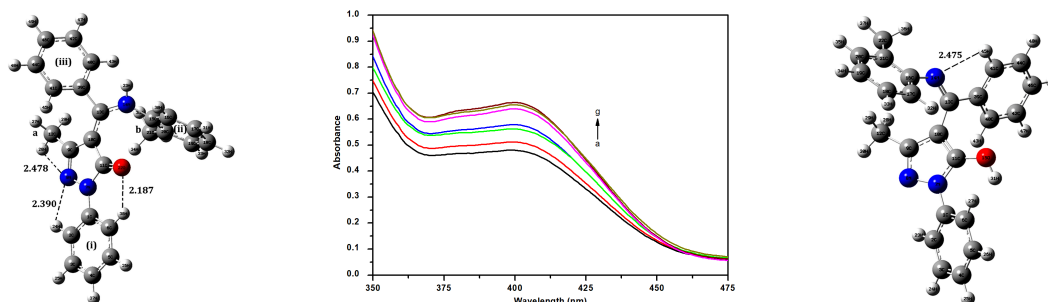
Muhammad Mozammel Kamal Raju, Yulun Han, Dmitri Kilin, Yi Ding and Qifeng Zhang



European Journal of Chemistry 17 (2) (2026) 138-145

Synthesis, photochromic, and electrochromic properties of a Schiff-base pyrazolone: An experimental and theoretical study

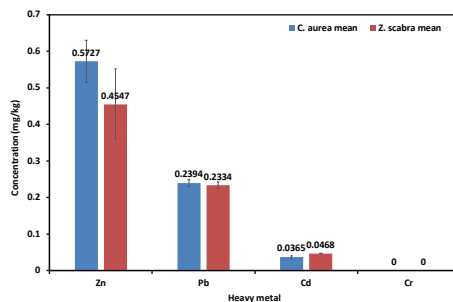
Pratima Surati



European Journal of Chemistry 17 (2) (2026) 146-154

Determination of selected heavy metals in leaves of the medicinal plants *Calpurnia aurea* and *Zehneria scabra* from East Gojjam, Ethiopia, and their health risk assessment

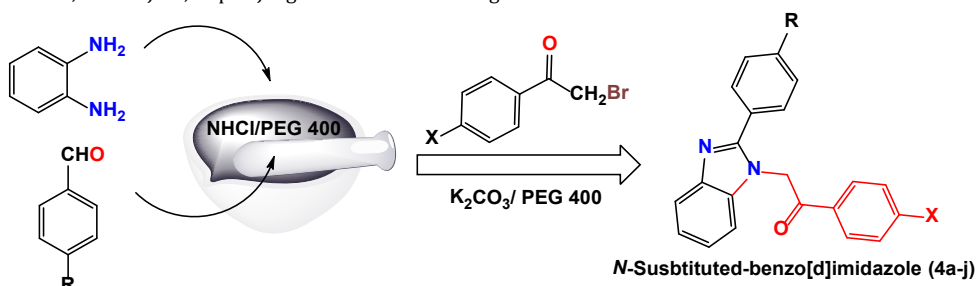
Yihenew Keskise, Nibret Mekonen, Abi Legesse, Teshome Gezahagne, Tura Gemechu and Negussie Megersa



European Journal of Chemistry 17 (2) (2026) 155-160

An efficient method for the synthesis of *N*-(4-halophenacyl)-2-substituted-benzo[*d*]imidazoles using PEG-400 as green reaction solvent

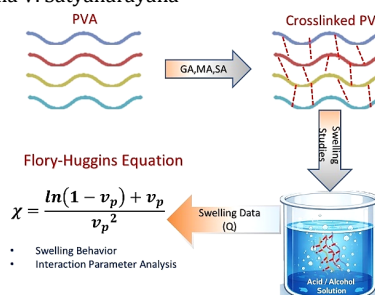
Shankaraiah Konda, Sanket Jore, Rupali Jeughale and Sadashiv Nagre



European Journal of Chemistry 17 (2) (2026) 161-167

Quantifying the influence of cross-linking percentage on polymer-solvent interactions using the Flory-Huggins model in PVA pervaporation membranes

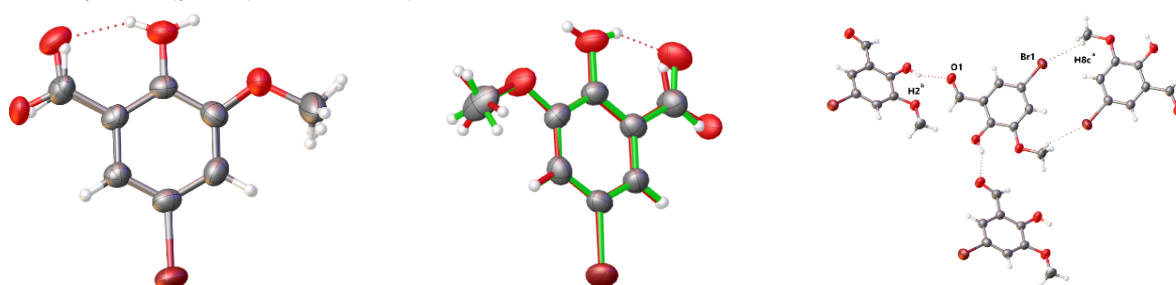
Mandavalli D. S. V. J. P. Koteswari and Suggala V. Satyanarayana



European Journal of Chemistry 17 (2) (2026) 168-175

A new polymorph of 5-bromo ortho vanillin: Synthesis, characterization, crystal engineering, Hirshfeld surface, calculation of interaction energy, and energy frameworks

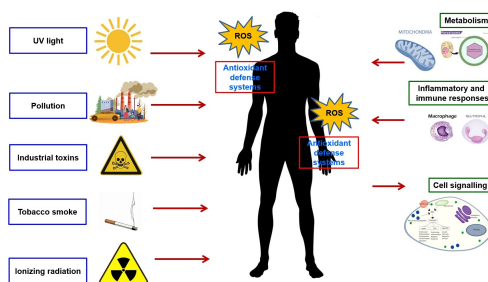
Sourav Roy, Dhrubajyoti Majumdar and Dhiraj Das



European Journal of Chemistry 17 (2) (2026) 176-187

A review on Nrf2 and antioxidant metalloproteins

Abul Monsur Showkot Hossain, Qobilova Malika Qudratovna, Kholnazarov Bakhodir Azamovich, Ayumu Odaka, Daisuke Nakane and Takashiro Akitsu



European Journal of Chemistry 17 (2) (2026) 188-204

Formulation innovations, pharmacological insights, and recent patent advancements in *Andrographis paniculata*

Vipasha Sharma, Ruchika Kumari, Palak Thakur and Ashun Chaudhary

