

European Journal of Chemistry

An International Open Access Journal

Editor-in-Chief

Hakan Arslan

Department of Chemistry, Faculty of Arts and Science, Mersin University, 33343, Mersin, Turkey

E-mail: editor@eurjchem.com, Telephone : +1.770.7231568, Fax : +1.770.7231568

Associate Editors

Syed A. A. Rizvi, *Nova Southeastern University, Fort Lauderdale, FL, USA*

Duc P. Do, *Chicago State University, Chicago, IL, United States*

İskender Yılgör, *Koç University, Istanbul, Turkey*

Editorial Board

İlhan A. Aksay, *Princeton University, Princeton, NJ, USA*

Miral Dizdaroğlu, *The National Institute of Standards and Technology, Gaithersburg, MD, USA*

Ayman Saleh, *King Saud Bin Abdulaziz University, Saudi Arabia*

Diane J. Burgess, *University of Connecticut, Connecticut, CT, USA*

Waldemar Adam, *University of Wuerzburg, Wuerzburg, Germany*

Luca Gonsalvi, *Istituto di Chimica dei Composti Organometallici-CNR, Firenze, Italy*

Mehmet Sarikaya, *University of Washington, Seattle, WA, USA*

Vinod Kumar Gupta, *Indian Institute of Technology, Roorkee, India*

Duc P. Do, *Chicago State University, Chicago, IL, USA*

Mehmet A. Oturan, *Université Paris-Est Marne-la-Vallée, Marne La Vallée, France*

Cora E. MacBeth, *Emory University, Atlanta, GA, USA*

Andrei Rotaru, *National Institute for Laser, Plasma and Radiation Physics, Bucharest, Romania*

Bekir Çetinkaya, *Ege University, İzmir, Turkey*

Djamaladdin G. Musaev, *Emory University, Atlanta, GA, USA*

Satoshi Kaneco, *Mie University, Tsu, Japan*

Atta-ur-Rahman, *University of Karachi, Karachi, Pakistan*

Suleyman I. Allakhverdiev, *Russian Academy of Sciences, Pushchino, Russian Federation*

Xueming Yang, *Chinese Academy of Sciences, Dalian, China*

Abdel Omri, *Laurentian University, Sudbury, ON, Canada*

Dilhan M. Kalyon, *Stevens Institute of Technology, Hoboken, NJ, USA*

Don VanDerveer, *Clemson University, Clemson, SC, USA*

Marko D. Mihovilovic, *Vienna University of Technology, Vienna, Austria*

Ram K. Agarwal, *Chaudhary Charan Singh University, Sahibabad, India*

Veysel Turan Yılmaz, *Uludag University, Bursa, Turkey*

Syed A. A. Rizvi, *Nova Southeastern University, Fort Lauderdale, FL, USA*

Jinlong Gong, *Tianjin University, Tianjin, China*

İsmail Özdemir, *İnönü University, Malatya, Turkey*

Paraskevas D. Tzanavaras, *Aristotelian University of Thessaloniki, Thessaloniki, Greece*

Tahir Cagin, *Texas A&M University, College Station, TX, USA*

Alexander I. Boldyrev, *Utah State University, Logan, UT, USA*

Copyeditors

Duc P. Do, *Chicago State University, Chicago, IL, USA*

Sezgin Kiren, *Winston-Salem State University, United States*

Syed A. A. Rizvi, *Nova Southeastern University, Fort Lauderdale, FL, USA*

European Journal of Chemistry is a peer-reviewed journal that publishes original research and review articles as well as letters in all areas of chemistry (Analytical Chemistry, Inorganic Chemistry, Organic and Bioorganic Chemistry, Biochemistry, Theoretical and Applied Physical Chemistry, Pharmaceutical Chemistry, Applied and Materials Chemistry, Chemical Technology, Agro Chemical Technology, Pharmaceutical Technology, Colloid Chemistry, Interfacial Chemistry, Surface Chemistry, Chemical Engineering, Green Chemistry, etc.). For full details, see the Guide for Authors.

European Journal of Chemistry (ISSN: 2153-2249 (print) / 2153-2257 (online)) is published quarterly and is available exclusively at www.eurjchem.com

European Journal of Chemistry is a member of CrossRef (The Digital Object Identifier (DOI®) System) and CrossRef Cited-by Linking.

European Journal of Chemistry

ISSN 2153-2249 (Print) / ISSN 2153-2257 (Online) © 2017 Atlanta Publishing House LLC - All rights reserved - Printed in the USA

DOI: <http://dx.doi.org/10.5155/eurjchem.8.3.ii.1642>

European Journal of Chemistry is indexed and/or abstracted by ■ Chemical Abstracts Service (USA) (CODEN: EJCUA9) ■ CAS Source Index (CASSI) ■ Cambridge Structural Database (CSD) ■ ProQuest-EBSCO ■ ProQuest - Natural Science Collection ■ ProQuest - SciTech Premium Collection ■ ProQuest - Materials Science & Engineering Database ■ ProQuest - Earth, Atmospheric & Aquatic Science Database ■ ProQuest - Technology Collection ■ Ulrich's Periodicals Directory ■ Scilit database (MDPI) ■ The Library of Congress (USA) ■ HOLLIS+ Harvard collection ■ China Knowledge Resource Integrated Database (CNKi) ■ European Virtual Institute for Speciation Analysis (EVISA) ■ National Center for Biotechnology Information ■ Collections of the National Library of Medicine ■ Elektronische Zeitschriftenbibliothek ■ SWB-Online-Catalogue - Bibliotheksservice-Zentrum Baden-Württemberg (BSZ) ■ Zeitschriftendatenbank (ZDB) - German National Library ■ ROAD: Directory of Open Access Scholarly Resources ■ Citefactor Academic Scientific Journals ■ WorldCat ■ SHERPA/RoMEO Journals database ■ Google Scholar ■ Medical Journal Links (MedJoL) ■ JournalTOCs ■ Academic Journal Database ■ Open Access Library (OALib) ■ ABC-Chemistry: Directory of Free Full-Text Journals in Chemistry ■ SUWECO CZ ■ Microsoft Academic ■ CiteSeerX ■ J-Gate.

Publication program, **2017**: Volume **8** (4 issues). Subscription prices, per volume, including postage and handling: 800 USD (Print). Subscription should be sent to *European Journal of Chemistry*, 4614 Lavista Road, Tucker, GA, 30084, USA. Orders and enquiries for earlier volumes should be sent the subscription address.

Production and Advertising Office: 4614 Lavista Road, Tucker, GA, 30084, USA. Tel: +1.770.7231568, Fax: +1.770.7231568
Production/Managing Editor: Ergah Pektaş.

European Journal of Chemistry Online. Visit our website at <http://www.eurichem.com>

© 2017 European Journal of Chemistry. Printed in USA on acid-free paper, bleached without the use of chlorine.
