

# CROATICA CT HEMICA

Journal of the Croatian Chemical Society  
Published since 1927

*This issue of Croatica Chemica Acta is dedicated to  
**emerita Dr Biserka Kojić-Prodić**  
on the occasion of her 80<sup>th</sup> birthday*

## **Guest editors**

MARIJA LUIĆ AND ALEKSANDAR VIŠNJEVAC

*Croatica Chemica Acta* is indexed in Chemical Abstracts Plus (CAPlus), Science Citation Index (SCI), Science Citation Index Expanded (SCIE), Current Contents – Physical, Chemical & Earth Sciences (CC), SCOPUS, EBSCO – Academic Search Complete, ProQuest, Portal of Croatian Scientific Journals (HRČAK), Directory of Open Access Journals (DOAJ)

---

---

# CROATICA CHEMICA ACTA

---

---

Published by the Croatian Chemical Society

## CO-PUBLISHERS

Faculty of Science, University of Zagreb, Croatia  
Ruđer Bošković Institute, Zagreb, Croatia

---

---

## EDITOR-IN-CHIEF

---

---

### Olga Kronja

Faculty of Pharmacy and Biochemistry, University of Zagreb, Zagreb, Croatia

---

---

## EDITORIAL BOARD

---

---

**EDITOR:** Bono Lučić, Ruđer Bošković Institute, Zagreb, Croatia

**ASSOCIATE EDITORS:** Darko Babić, Miroslav Bajić, Nikola Basarić, Marina Cindrić, Vlasta Drevenkar, Ita Gruić-Sovulj, Davor Kovačević, Zlatko Mihalić, Predrag Novak, Viktor Pilepić, Ines Primožič, Silvana Raić-Malić, Vladislav Tomišić, Srećko Valić, Mario Vazdar, Dražen Vikić-Topić

**PRODUCTION EDITOR:** Danijel Namjesnik

**TECHNICAL EDITORS:** Sandra Čičić, Petra Kalinovičić, Danijel Namjesnik, Ozren Jović

**EDITORIAL SECRETARIES:** Danijela Hus Mustić

**HONORARY EDITOR:** Jean-Marie Lehn

**MEMBERS OF THE EDITORIAL BOARD:** Ljerka Brečević, Mladen Biruš, Ljiljana Fruk, Mirjana Metikoš-Huković, Marija Šindler-Kulyk, Hrvoj Vančik, Robert Vianello

---

---

## ADVISORY BOARD

---

---

A. M. Bond (Australia), T. Cvitaš (Croatia), M. V. Diudea (Romania), D. Hadži (Slovenia), C. Giacomazzo (Italy), D. Grdenić (Croatia), D. J. Klein (USA), M. Klessinger (Germany), J. Kobe (Slovenia), J. P. Kratochvil (USA), V. Kvasnička (Slovakia), A. de Meijere (Germany), J. Mink (Hungary), K. Mlinarić-Majerski (Croatia), M. Randić (USA), Ch. Rücker (Germany), J. R. Sabin (USA), A. Simon (Germany), B. Stanovnik (Slovenia), V. Šunjić (Croatia), M. Tišler (Slovenia), N. Trinajstić (Croatia), J. Wang (USA)

---

---

## EDITORIAL OFFICE

---

---

### CROATICA CHEMICA ACTA

Horvatovac 102a, HR-10000 Zagreb, CROATIA

Phone: +385-(0)1-460-6130 Fax: +385-(0)1-460-6131 E-mail: [cca@hkd.hr](mailto:cca@hkd.hr) URL: <http://cca.hkd.hr/>

*Croatica Chemica Acta* is at the highest possible level of Open Access, meaning that all content is immediately and freely available to anyone, anywhere, to be downloaded, printed, distributed, read, reused, self archived, and remixed (including commercially) without restriction, as long as the author and the original source are properly attributed according to the Creative Commons Attribution 4.0 International License (CC BY). The author(s) hold the copyright and retain publishing rights without restrictions. All issues since 1985 are available online free of charge. *Online First* articles are also available.

*Croatica Chemica Acta is partially financed by  
Ministry of Science and Education of the Republic of Croatia*





*This issue of Croatica Chemica Acta is dedicated to  
**Dr Biserka Kojić-Prodić,**  
scientist emerita of the Ruđer Bošković Institute,  
on the occasion of her 80<sup>th</sup> birthday*