

The **Journal of the Serbian Chemical Society** (formerly Glasnik Hemijskog društva Beograd) publishes articles from the fields of fundamental and applied chemistry. The Journal is financially supported by the Ministry of Science and Technological Development of the Republic of Serbia.

Articles published in this Journal are indexed in the Institute for **Scientific Information**[®] products: **SciSearch**[®], also known as the **Science Citation Index - Expanded**[™] (2011 announced **Impact Factor 0.725**), **Research Alert**[®], and **Chemistry Citation Index - Extended**[®]. Also, articles appearing in this Journal are abstracted by: *Chemical Abstracts*, *Referativnii Zhurnal*, *Analytical Abstracts*, *Mass Spectrometry Bulletin*, *Corrosion Abstracts*, *Aluminium Industry Abstracts*, *the Alerts Series*, *Engineering Materials Abstracts*, *Mineralogical Abstracts* and *Metal Finishing Abstracts*.

Copies of the articles appearing in this *Journal* can be ordered from **ISI Document Solution**[®] document delivery service of the *Institute for Scientific Information* (ISI), 3501 Market Street, Philadelphia, PA 19104, USA, or from the UnCover Company, 3801 E. Florida, Suite 200, Denver, CO 80210, USA.

Publisher: Serbian Chemical Society (SCS), Karnegijeva 4, 11120 Belgrade, Serbia
Tel/fax: ++381-11-3370-467, E-mails: Society – shd@shd.org.rs, Journal – jscs-info@shd.org.rs
Internet Home Page: Society – <http://www.shd.org.rs/>; Journal - <http://www.shd.org.rs/JSCS/>

Internet Service: Contents, Abstracts and full papers of issues (from Vol 64, No. 5-6, 1999) are available in the electronic form at the Web Site of the Journal (<http://www.shd.org.rs/JSCS/>).

Former Editors of the Journal: Nikola A. Pušin (1930–1947), Aleksandar M. Leko (1948–1954), Panta S. Tutundžić (1955–1961), Miloš K. Mladenović (1962–1964), Đorđe M. Dimitrijević (1965–1969), Aleksandar R. Despić (1969–1975), Slobodan V. Ribnikar (1975–1985), Dragutin Dražić (1986–2006).

Editor-in-Chief: BRANISLAV NIKOLIĆ, Serbian Chemical Society
Deputy Editor: DUŠAN SLADIĆ, Faculty of Chemistry, University of Belgrade
Co Editor: DANKA JOVANOVIĆ, Serbian Chemical Society

Sub editors:
Organic Chemistry RADE MARKOVIĆ, Faculty of Chemistry, University of Belgrade and DEJAN OPSENIKA, Institute of Chemistry, Technology and Metallurgy, University of Belgrade
Biochemistry and Biotechnology OLGICA NEDIĆ, INEP – Institute for the Application of Nuclear Energy, Zemun
Inorganic Chemistry MILOŠ ĐURAN, Faculty of Science, University of Kragujevac
Theoretical Chemistry IVAN GUTMAN, Faculty of Science, University of Kragujevac
Physical Chemistry VERA DONDUR, Faculty of Physical Chemistry, University of Belgrade
Electrochemistry SNEŽANA GOJKOVIĆ, Faculty of Technology and Metallurgy, University of Belgrade
Analytical Chemistry SLAVICA RAŽIĆ, Faculty of Pharmacy, University of Belgrade
Polymers JASNA DONLAGIĆ, Faculty of Technology and Metallurgy, University of Belgrade
Thermodynamics- SLOBODAN ŠERBANOVIĆ, Faculty of Technology and Metallurgy, University of Belgrade
Chemical Engineering MENKA PETKOVSKA, Faculty of Technology and Metallurgy, University of Belgrade
Materials VELIMIR RADMILOVIĆ, Faculty of Technology and Metallurgy, University of Belgrade
Environmental BOJAN RADAK, Vinča Institute of Nuclear Science, Belgrade

English Language Editor: LYNNE KATSIKAS, Faculty of Technology and Metallurgy, University of Belgrade
Technical Editors: VLADIMIR PANIĆ, ALEKSANDAR DEKANSKI, Institute of Chemistry, Technology and Metallurgy, University of Belgrade

Web Master: ALEKSANDAR DEKANSKI, Institute of Chemistry, Technology and Metallurgy, Univ. of Belgrade
Office: VERA STUPLJANIN, SCS, Karnegijeva 4/III, 11120 Belgrade, Serbia (E-mail: JSCS-info@shd.org.rs)

Editorial Board:

From abroad: R. Adžić, Brookhaven National Laboratory (USA), J. O. M. Bockris, Texas A&M University (USA), D. Douglas, University of British Columbia (Canada), A. R. Katritzky, FRS, University of Florida (USA), Ya. I. Korenman, Voronezh Academy of Technology (Russian Federation) M. D. Lechner, University of Osnabruck (Germany), M. Spittler, INFU- Technical University Dortmund (Germany).

From Serbia: B. Abramović, T. Ast, Ž. Čeković, A. Dekanski, V. Dondur, J. Đongalić, B. Đorđević, M. Đuran, F. Gaál, M. J. Gašić, S. Gojković, I. Gutman, B. Jovančičević, D. Jovanović, M. Jovanović, V. Leovac, R. Marković, S. Milonjić, U. Mioč, J. Nedeljković, O. Nedić, B. Nikolić, D. Opsenica, V. Panić, V. Pavlović, M. Petkovska, I. Popović, P. Premović, B. Radak, V. Radmilović, S. Ražić, D. Sladić, S. Sovilj, M. Spasić, S. Šerbanović, B. Šolaja, D. Vitorović, G. Vučković.

Subscription: The annual (12 issues) subscription rate is **150.00 €** including postage (surface mail) and handling. For Society members from abroad rate is **50.00 €**. For the proforma invoice with the instruction for bank payment contact the Society Office (E-mail: shd@shd.org.rs) or see JSCS Web Site <http://www.shd.org.rs/JSCS/>, option Subscription.

Godišnja pretplata: Za članove Srpskog hemijskog društva godišnja pretplata iznosi **2.500,00 RSD**, za penzionere i studente **1000,00 RSD**, a za ostale **3.500,00 RSD**. Za organizacije i ustanove godišnja pretplata iznosi **16.000,00 RSD**. Uplate se mogu vršiti na tekući račun Društva: **205-13815-62**, poziv na broj **320**, sa naznakom "pretplata za JSCS".

Nota: Odlukom Odbora za hemiju Republičkog fonda za nauku Srbije, br. 66788/1 od 22. 11. 1990. godine, koja je kasnije potvrđena odlukom Saveta Fonda, časopis je uvršten u kategoriju međunarodnih časopisa (**M-23**). Takođe, aktom Ministarstva za nauku i tehnologiju Republike Srbije, 413-00-247/2000-01 od 15. 06. 2000. godine, ovaj časopis je proglašen za publikaciju od posebnog interesa za nauku. Prema SCI-Expanded[™] **Impact Factor** časopisa objavljen 2011. godine iznosi **0,725**. Radovi čiji su svi autori aktivni članovi Društva prioritetno se publikuju.