



Serbian Chemical Society – SCS
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Serbian Chemical Society Annual Report to the EuChemS Division of Chemical Education for 2021-2022¹

1. Abstract

The scientific conferences, in-service chemistry teachers training, chemistry competitions of primary and secondary school students were organized by the SCS during the period from June 2021 to May 2022. Chemistry education at all levels in 2021/22 school year was organized in combination of online teaching and teaching in classroom in dependence of the epidemiological situation in the country. Two journals, the Chemical Review and the Journal of the Serbian Chemical Society, were published regularly.

2. National educational policy

During the period covered by this report, the new chemistry curriculum for the third grade of specialized grammar school for mathematics was prepared. Teams made up of chemistry teachers from primary schools, secondary schools and university teachers, as well as a member from the Institute for the Improvement of Education, completed the revision of standards of students' achievements for the end of primary and general secondary education. The revision of the existing standards was done according to the new conceptual framework, which implies defining expectations regarding **what** students should know, **how** they should get that knowledge and **why** that knowledge is functional for them. The structure of the document includes general subject competence, three specific subject competences (related to what, how and why) and appropriate outcomes at basic, intermediate and advanced level.

3. Events in chemical education

In the period from June 2021 to May 2022, the Serbian Chemical Society organized several events:

¹June 2021-May 2022, all levels of chemistry education: primary, secondary schools, universities, LLL, general and vocational education.

- (a) **57th Meeting of the Serbian Chemical Society - traditional conference of chemists of Serbia**, June 18-19, 2021. The Faculty of Science University of Kragujevac hosted the meeting, which was held online. <https://www.shd.org.rs/index.php/57ssh>
- (b) **The April days on chemistry teaching - the 31st national meeting of chemistry teachers**, April 20-21, 2022. For the first time, this traditional in-service chemistry teachers' training was organized online. The goal this year was to improve the competencies of chemistry teachers to apply new contexts in chemistry teaching/learning, monitoring and evaluating students' achievements, in line with new standards of students' achievements. Teachers were actively involved during the lectures, sent comments and their opinions. In addition, they highly valued the online lectures and online workshop. <https://www.shd.org.rs/index.php/aprilski-dani/aprilski-dani-2>
- (c) **The primary and secondary school students' competitions in chemistry**. The Serbian Chemical Society, with support of the Ministry of Education, Science and Technological Development of the Republic of Serbia in the 2021/22 school year organized and realized all levels of the chemistry competitions for primary and secondary school students. At the International Chemistry Olympiad (25 July – 2 August 2021), which was held online, Serbian students received one silver medal and three bronze medals.

4. Publications

During the period from June 2021 to May 2022, the Serbian Chemical Society published two journals – the *Chemical Review* and the *Journal of the Serbian Chemical Society*.

The *Journal of the Serbian Chemical Society* (JSCS) publishes original papers from the fields of fundamental and applied chemistry: Theoretical Chemistry, Organic Chemistry, Biochemistry and Biotechnology, Food Chemistry, Technology and Engineering, Inorganic Chemistry, Polymers, Analytical Chemistry, Physical Chemistry, Spectroscopy, Electrochemistry, Thermodynamics, Chemical Engineering, Textile Engineering, Materials, Ceramics, Metallurgy, Geochemistry, Environmental Chemistry, **History of and Education in Chemistry** (<http://www.shd.org.rs/JSCS/>).

The *Chemical Review* is intended for chemistry teachers and students
<http://hp.ratkovicdesign.net/home.htm>.

5. Name of delegate and deputy

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6. Contact details of delegates.

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