



Serbian Chemical Society

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Serbian Chemical Society (SCS) Annual Report to the EuCheMS Division of Chemical Education for 2015-2016

1. Abstract

The activities of the SCS Division of Chemical Education during the period from July 2015 to June 2016 were associated with: (i) organization of the scientific meetings; (ii) organization of the in-service chemistry teachers training; (iii) organization of the chemistry competitions for primary and secondary school students at the regional and the republic levels; (iv) publication of the *Chemical Review* and the *Journal of the Serbian Chemical Society* with the new section dedicated to research in domain of chemistry education and history of chemistry; (v) promotion of chemistry among youth; (vi) equipping schools in Serbia.

2. National educational policy

- (a) The members of the SCS Division of Chemical Education actively participated in the discussion related to the adoption of the new plan for publishing primary and secondary school textbooks of chemistry at the level of the Republic of Serbia. The institution responsible for the adoption of this document is the National Education Council.
- (b) The members of the SCS Division of Chemical Education contributed to the improvement of chemistry curricula for different educational profiles and reacted to the tendency to reduce chemistry education in secondary vocational schools.

3. Events in chemical education

In the period from July 2015 to June 2016 the Serbian Chemical Society organized several meetings:

- (a) **The April days - the 27th national meeting of chemistry teachers in Serbia** (the University of Belgrade - Faculty of Chemistry, April 26-27, 2016). It was attended by 94 chemistry teachers from primary and secondary schools. The programme of the April days traditionally comprised the themes in domains of chemistry, chemistry didactics, pedagogy and psychology.
- (b) **Chemistry Teaching Section** - the monthly meetings of chemistry teachers throughout a school year. The lectures during the 2015/2016 school year were chosen with aim to help chemistry teachers to improve their regular chemistry classes, as well as to better solve the problems associated with motivation for chemistry learning. Also other actual

problems, such as chemistry competition or changes of the chemistry curricula, were discussed.

- (c) **The primary and secondary school students' competitions in chemistry at the regional and the republic level.** During the spring of 2016 the Serbian Chemical Society, with support of the Ministry of Education, Science and Technological Development of the Republic of Serbia, organized and realized several levels of the chemistry competitions for primary and secondary school students. There were two modes of competition: (i) Test and Experimental Exercise and (ii) Test and Research. Also, the 3rd Serbian Chemistry Olympiad for secondary school students was realized (the University of Belgrade - Faculty of Chemistry, May 27-28, 2016). The Chemistry Olympiad for secondary school students enabled the selection of the team of four students to represent the Serbia in the 48th International Chemistry Olympiad (Tbilisi, Georgia). Last year the Serbian Chemical Society and the Petroleum Industry of Serbia supported the participation of the team in the International Chemistry Olympiad in Baku (Azerbaijan). In this Olympiad the Serbian students received one gold medal, two silver medals and one bronze medal.
- (d) **The 53rd Meeting of the Serbian Chemical Society** (the University of Kragujevac - Faculty of Science, Kragujevac, June 10-11, 2016). The aim of the meeting was the presentation and discussion of recent results of chemists in Serbia and neighbouring countries in all the fields related to chemistry, chemical engineering and metallurgy.

4. Activities of the Serbian Chemical Society

In order to promote chemistry among youth the Serbian Chemical Society realized the traditional manifestation with attractive experiments, named *Between Magic and Chemistry*, in seven Serbian towns.

Additional, the Serbian Chemical Society together with the Petroleum Industry of Serbia fully equipped laboratories for chemistry in three schools in Serbia (two secondary and one primary school).

5. Publications

In 2015 the Serbian Chemical Society published six issues of the journal *Chemical Review*. The aim of this journal is to help all chemistry teachers to refresh their teaching and make it more interesting.

Journal of the Serbian Chemical Society has been published continuously for over 85 years, one volume per year, consisting of 12 monthly issues (<http://www.shd.org.rs/JSCS/>). The papers related to the history of chemistry and chemistry education were published in 2015. The Impact Factor of this journal in 2015 was 0.970.

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