



Chemical Society Annual Report to the EuCheMS Division of Chemical Education for 2014-2015

1. Abstract

In 2014/5, Special Group of Chemical Education of the Slovak Chemical Society participates in chemical education activities in the Slovak Republic and abroad. Important activities involve organization of one conference devoted to chemical education and participation in several conferences in Slovakia and abroad.

The main activity of the Group of Chemical Education represents Chemistry Olympiad in the Slovak Republic – creation of all tasks in all six categories as well as organization of National Round of Chemistry Olympiad, and preparation of Slovak team for ICHO. University teachers from three Slovak universities each year take part in the *Summer school of chemistry* for the best participants in the B and C categories of Chemistry Olympiad. In 2015 38th Summer school of chemistry takes place at the Faculty of Education, Trnava University.

2. National educational policy

Since 2014 chemistry in the primary school (ISCED 2) has been supported by 1 hour (with the extent of 2 – 2 – 1 hour weekly from 7th to 9th class). Revision of the state educational programmes at the levels ISCED 2 and 3 has been accomplished, without essential changes. It will come into force in September 2015.

New academic programmes of all Slovak universities were submitted to Accreditation Committee of the Ministry of Education in 2014, the results will be announced in July 2015.

New educational reform is going to be prepared. The wages of Slovak teachers are so low that almost nobody wants to be a teacher of physics, chemistry, informatics or mathematics.

3. Events in chemical education

66th Congress of Slovak and Czech Chemical Societies was organized by the Czech Chemical Society from the 7th to 10th September 2014 in Ostrava. *Chemical Education and History Section* involved presentations and posters of 10 participants from the Czech Republic and Slovakia, including two successful Slovak participants in the 46th International Chemistry Olympiad in Hanoi, Vietnam.

10th International Conference “*Recent Problems of Dissertation Thesis in Didactics of Chemistry*” for PhD students of Didactics of Chemistry took place in November 2014 at the Faculty of Education of the Trnava University in Trnava.

Slovak participants took part in the XXIV. International Conference on Didactics of Chemistry organized by the Faculty of Education, Masaryk University in Brno, Czech Republic from 20th to 21st of May 2015 (40 participants from the Czech Republic, Slovakia and Poland).

67th Congress of Slovak and Czech Chemical Societies will be organized by the Slovak Chemical Society from the 7th to 11th September 2015 in High Tatras. The congress involves *Chemical Education and History Section*.

4. Activities of the of Special Group for Chemical Education of the Slovak Chemical Society

The main activity of the Group of Chemical Education represents Chemistry Olympiad in the Slovak Republic – creation of all tasks in all six categories as well as organization of National Round of Chemistry Olympiad, and preparation of Slovak team for ICHO. University teachers from three Slovak universities and a host secondary chemical school each year take part in the *Summer school of chemistry* for the best participants in the B and C categories of Chemistry Olympiad. In 2014, 37th Summer school of chemistry took place at secondary schools of Prievidza and Nováky. In 2015, 38th Summer school of chemistry takes place at the Department of Chemistry, Faculty of Education, Trnava University.

Special Group of Chemical Education of the Slovak Chemical Society closely cooperates with the Division of Chemical Education of the Czech Chemical Society, especially in organization of international scientific conferences devoted to the theory and practise of chemical education.

We cooperate also with Association of Chemistry Teachers (www.zuch.sk) that involves mostly the primary school teachers of chemistry.

5. Publications

Tasks of Chemistry Olympiad (in Slovak) are available

<https://www.iuventa.sk/sk/Olympiady/Olympiady-a-sutaze/CHO.alej>

Reguli, J.: *Solved tasks from Physical Chemistry for the A category of Chemistry Olympiad*. (in Slovak) Faculty of Education, Trnava University, 2014. 358 pp. ISBN 978-80-8082-782-3. Available at

<http://katchem.truni.sk/prilohy/FCH%20ulohy%20v%20CHO.pdf>

on-line journal for schools: *Biology - Ecology – Chemistry* is available (in Slovak) at

<http://bech.truni.sk> (published by Department of Chemistry, Faculty of Education, Trnava University)

Slovak Commission for Chemistry Olympiad maintains the webpage of *International Information Centre of the International Chemistry Olympiad* at www.icho.sk

Slovak Chemical Society new webpage holds its old address www.schems.sk (in Slovak).

6. Liaison with the chemical industry

Slovak Chemical Society cooperates with the refinery Slovnaft, a. s. , the Association of Chemical and Pharmaceutical Industry of the Slovak Republic and several other partners. The cooperation results especially in support of National Round of CHO and Summer School of Chemistry.

Slovak Chemical Society participated in evaluation of the Chain Reaction Science Competition for secondary school students of the “*chemgeneration.com*” project

(<http://www.chemgeneration.com/>) as well as in the new project *Future Heroes Science Competition*.

7. International and European initiatives

Special Group of Chemical Education of the Slovak Chemical Society closely cooperates with the Division of Chemical Education of the Czech Chemical Society.

The major Slovak faculties involved in chemical education (Faculty of Science, Comenius University, and Faculty of Chemical and Food Technology, Slovak University of Technology) actively participated in the EC2E2N project.

8. Other events and activities

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9. Name of delegate

Assoc. Prof. Ing. Ján Reguli, PhD.

10. Contact details of delegate.

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Bratislava / Trnava, June 16, 2015

Assoc. Prof. Ing. Ján Reguli, PhD.

Slovak Chemical Society
Special Group for Chemical Education