

Study Group / Task Force Name: SG Education

Study Group / Task Force Members and Affiliations:

Prof. Dr. Reiner Salzer, Dresden University of Technology, Germany

Prof. Dr. Ivo Leito, University Tartu, Estonia

Prof. Dr. Miltiades Karayannis, University of Ioannina, Greece

Dr. Martin Vogel, University of Muenster, Germany

Objectives:

Teaching analytical chemistry at the beginning of the 21st Century

Evaluation of curricula in analytical chemistry at the current stage of the Bologna process

European Employment Survey for Chemists and Chemical Engineers

Electronic media in teaching and assessing analytical chemistry

Activities and Outputs in 2015-2016 (e.g. reports, publications, seminars, meetings):

Preparation of the second edition of the European Employment Survey for Chemists and Chemical Engineers and evaluation of the responses (R. Salzer)

Symposium Education during Euroanalysis 2017, Stockholm, 28.08.-01.09.2017 (R. Salzer)

Co-edition of the educational column in Analytical and Bioanalytical Chemistry (R. Salzer)

Edition of the educational column in Chimika Chronika (M. Karayannis)

Opening lecture on education and history at the IMA-2017 conference (M. Karayannis)

Fourth edition of the MOOC "Estimation of Measurement Uncertainty in Analytical Chemistry"

(<https://sisu.ut.ee/measurement/uncertainty>) (I. Leito), see also <http://each.ut.ee/EACH/measurement-uncertainty-online-course-mooc-2017-edition-successfully-finished/>

First edition of the MOOC "LC-MS Method Validation" (https://sisu.ut.ee/lcms_method_validation/) (I. Leito), see also <http://each.ut.ee/EACH/lc-ms-method-validation-mooc-finished-with-55-completion-rate/>

Meetings:

R. Salzer; Requirements for the 2nd European Employment Survey for Chemists and Chemical Engineers; EuCheMS General Assembly 2016; Seville, 10.-11.09.2016

R. Salzer, Ph. Taylor; Careers of Chemists and Chemical Engineers in Europe; University Shymkent/Kazakhstan; 27.10.2015

R. Salzer; How to Navigate to your Dreamjob?; Excellence in Analytical Chemistry Summerschool; Tartu, 16.-20.05.2017

R. Salzer; What do you need for a chemistry career in Europe? Symposium "Preparing for Employment in a Global Workforce"; 254th ACS National Meeting & Exposition, Washington/DC, 20.-24.08.2017

I. Leito, Training courses and/or sessions in metrology in chemistry and/or education: Tutorial on measurement uncertainty in chemical analysis during EcoBalt 2016, 09.10.16 (Tartu); Measurement Uncertainty tutorial at Latvian University (Riga) 08-09.12.16; Presentation on EACH EM JMD during Erasmus+ International Dimension 24.11.16 (Vilnius).

Activities planned for 2017-2018:

Teaching analytical chemistry at the beginning of the 21st Century

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European Employment Survey for Chemists and Chemical Engineers

Electronic media in teaching and assessing analytical chemistry

Report submitted by: Reiner Salzer

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