### Study Group / Task Force Name: SG Education

### Study Group / Task Force Members and Affiliations:
- Prof. Dr. Reiner Salzer, Dresden University of Technology, Germany (Head of Group 2017)
- Prof. Dr. Ivo Leito, University Tartu, Estonia
- Prof. Dr. Miltiades Karayannis, University of Ioannina, Greece
- Dr. Martin Vogel, University of Muenster, Germany (Head of Group 2018)
- Ex-officio members: Prof. Dr. Wolfgang Buchberger, Austria, and Prof. Dr. Marcela Segundo, Portugal

### 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 2017-2018 (e.g. reports, publications, seminars, meetings):
- Co-edition of the educational column in Analytical and Bioanalytical Chemistry (R. Salzer)
- Evaluation of the second edition of the European Employment Survey for Chemists and Chemical Engineers (ESEC2) and preparation of the report (R. Salzer)
- Project “Global Standards for Teaching Chemistry at Universities” (R. Salzer)
- Chief-Editor of the Journal CHIMIKA CHRONIKA (M.I.Karayannis)

#### Publication:

#### Meetings:
- E. Sinagra, R. Salzer; European Chemistry Thematic Network Association and New Schemes for the QA of Chemistry Education; 4thASIIN/EASPA Global QA Conference in Higher Education 2017; Düsseldorf; 2017, December 12
- R. Salzer; European Quality Standards for PhD Studies; UCT Prague; 2018, March 06
- R. Salzer; How to Navigate to your Dreamjob?; Excellence in Analytical Chemistry Summerschool; Tartu; 2018, May 14-17
- R. Salzer; From the 2nd European employment survey for chemists & chemical engineers to a joint EuChemS/ACS project; EuChemS General Assembly 2018; Liverpool; 2018, August 26-30
- R. Salzer; Sustainable Quality Education requires Global Standards; Chemistry for sustainable goals – panel discussion; 7th European Chemistry Congress; Liverpool; 2018, August 26-30
- M.I.Karayannis, “Magic, Mysticism, Metaphysics and Science during the Development of Chemistry and Analytical Chemistry from the Ancient Times to the Middle of the 20th Century”, 10th IMA – Conference, 17-21 September 2017 IRAKLION, GREECE
- I. Leito "Online Analytical Chemistry courses at University of Tartu". CroLab 13. International Conference, 04. - 07. OCTOBER 2017, Poreç, Croatia. 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 2018-2019:
- Teaching analytical chemistry at the beginning of the 21st Century
- Evaluation of curricula in analytical chemistry at the current stage of the Bologna process
- Employment Survey for Chemists and Chemical Engineers together with ACS
- Global Standards in Teaching Chemistry at Universities
- Electronic media in teaching and assessing analytical chemistry
- Education Session during Euroanalysis 2019 in Istanbul
- Continuation of setting up MOOC “Instrumental Analysis of Cultural Heritage Objects” at University of Tartu

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Report submitted by: Martin Vogel
Date submitted: August 10, 2018
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