EuCheMS-DAC Study Group / Task Force Annual Report for 2015

Study Group / Task Force Name: Chemometrics
Study Group / Task Force Members and Affiliations: Romà Tauler, IDAEA-CSIC, Spain Federico Marini, University of La Sapienza, Rome, Italy Beata Walczak, University of Silesia, Katowize, Poland Lutgarde Buydens, Radboud University of Nijmegen, Netherlands Jean Michel Roger, IRSTEA CEMAGREF, Montpellier, France; Douglas Rutledge, AgroParisTech / UMR1145 Ingénierie Procédés Aliments Alexey Pomerantsev/Oxana Radionova, Institute of Chemical Physics RAS, Moscow, Russia, Jan H Christensen, University of Copenhagen, Denmark Johan Trygg, University of Umeä, Sweden Richard Brereton, University of Bristol, England
Objectives: 1) Promote Chemometrics in Europe 2) Organize Chemometrics sessions in EuCheMS related confereences 2) Organize European Schools/Workshops on Chemometrics
Activities and Outputs in 2015 (e.g. reports, publications, seminars, meetings): 1) Celebration of the chemometrics session during the celebration of Euroanalysis in 2015 (Monday September 7th , 2015), at Burdeaux. Douglass Rutledge from AgroParisTech / UMR1145 Ingénierie Procédés Aliments will take care of this organization, supported by the Chimiometrie French group. The program of the session is attached. 2) Organization of morning and afternoon Chemometrics short courses during the celebration of Euroanalysis in 2015 (Sunday, September 6th , 2015. SC3 "Chemometrics I: Exploratory data analysis", Federico Marini, University «La Sapienza», Rome, Italy; SC6 "Chemometrics II: Calibration and classification", Federico Marini, University «La Sapienza», Rome, Italy
Activities planned for 2014-2015: 1) Preparation of EuCheMS session on chemometrics for omic sciences at next EuCheMS at Seville (2016). We have made a proposal but we have not received answer. 3) Continuation of th eefforts for an European Chemometrics school (planned but not achieved yet)
Report submitted by: Romà Tauler, Catalan Chemistry Society
Date submitted: August 14th, 2015

DAC Chemometrics Study group

Chemometrics is the chemical discipline that uses mathematical and statistical methods to design or select optimal procedures and experiments, and to extract maximum chemical information by data-deiven means. It is characterised by the application of mathematical, statistical and computer methods in order to address problems in chemistry, biochemistry, medicine, biology, environmental sciences and chemical engineering.

Chemometric techniques are heavily used in analytical chemistry and they are at present gaining increasing acceptation in emerging omic fields. The development of new chemometric methods continues to advance the state of the art in analytical instrumentation and methodology. It is an application driven discipline, and thus while the standard chemometric methodologies are very widely used in industriy, academic groups are dedicated to the continued development of chemometric theory, method and application

- Objectives

1) Promote and Spread of Chemometrics in Europe
2) Organize Chemometrics sessions and workshops in EuCheMS related confereences (and Euroanalysis)
2) Organize an European Schools/Workshops on Chemometrics

- Membership (new members will be asked to participate)

Romà Tauler, President of the Catalan Chemistry Society, IDAEA-CSIC, Spain
Federico Marini, University of La Sapienza, Rome, Italy
Beata Walczak, University of Silesia, Katowize, Poland
Lutgarde Buydens, Radboud University of Nijmegen, Netherlands
Jean Michel Roger, IRSTEA CEMAGREF, Montpellier, France / Douglas Rutledge, AgroParisTech, Paris, France
Alexey Pomerantsev/Oxana Radionova, Institute of Chemical Physics RAS, Moscow, Russia,
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Johan Trygg, University of Umeä, Sweden
Richard Brereton, University of Bristol, England

DAC Chemometrics study group

Aims and objectives

The aim of the Chemometrics study group is the promotion of Chemometrics in Europe through the organization of dedicated sessions in in EuCheMS related conferences and of European Schools/Workshops on Chemometrics

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Membership

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