



Division of Analytical Chemistry

European Association for Chemical and Molecular Sciences

2017 Annual Meeting 48th Meeting of EuCheMS-DAC

Monday, August 28, 2017

Time: 09.00 – 13.00

**Venue: Kungstenen conference room, Aula Magna
Stockholm University**

MINUTES

1. Opening

1.1 Welcome by Slavica Razic

Slavica Razic welcomes Delegates, Guests and Observers and thanks the Swedish Chemical Society for hosting this meeting.

1.2 Finalisation of the Agenda

The Agenda is approved.

1.3 Changes in membership, attendance, apologies

The list of participants can be found as Attachment 1 of the Minutes.

Slavica Razic informs about the new procedures for nominations of delegates. Such nominations must be done online via the website of EuCheMS.

1.4 Approval of the Minutes of 47th DAC Meeting, Sunday September 11, 2016, Seville

The minutes are approved.

2. Report of the Chair

The EuCheMS Year Book 2016 has been published and is available from the website of EuCheMS.

Slavica Razic has been asked from the General Secretary of EuCheMS for input for the Eurachem General Assembly 2017 in Nicosia, and has provided the relevant material.

Information about DAC activities has been sent to the delegates by an End-of-Year Letter and on an ad hoc basis.

In spring 2017 DAC has been approached by ResearchGate for possibilities of advertising Euroanalysis. Due to the costs DAC did not make any agreements.

The updated DAC Strategy for the next three years has been sent (see Attachment 2).

Comments from Delegates should be sent to the secretary. In this context it is pointed out by delegates that the term Analytical Chemistry has disappeared in various funding programs of the European Union or in national programs. Efforts may be necessary to make the scientific community once again aware of the importance of analytical chemistry. The DAC Procedures and Practices have been updated (see Attachment 3). Comments should be sent to the secretary.

The European Analytical Column number 45 has been published in several international journals. It includes short contributions from the Study Groups of DAC. Suggestions for publication in additional journals / media are welcome.

3. Elections, Appointments, Awards

3.1 Steering Committee membership for 2018

The members of the Steering Committee for 2017 will be:

Jiri Barek (Treasurer), Marcela Segundo (Secretary), Slavica Razic (Chair), Sibel Özkan, Christian Rolando, Charlotta Turner, Martin Vogel.

3.2 DAC Tributes nominations

The deadline for nominations of persons for the DAC Tribute in 2018 is 31 March 2018.

Nominations should be sent to the Secretary.

3.3 Robert Kellner Lecture

Three nominations have been received for the RKL 2017. The jury has selected Luigi Mondello.

3.4 DAC Award

Two nominations have been received for the DAC-EuCheMS Award. The jury has selected Lo Gorton.

Thanks go to Reiner Salzer and Wolfgang Lindner for their efforts in the Jury for the RKL and the DAC-EuCheMS Award. The Jury for the next period 2018/2019 will consist of Jonas Bergquist, Lutgarde Buydens (Head), Bernhard Lendl, Jürgen Popp, and Luigia Sabbatini. Nominations are due by 31 October 2018.

4. EUROANALYSIS Conferences

4.1 EUROANALYSIS XIX, Stockholm, Sweden, 2017

Charlotta Turner reports about the successful preparations for this conference. Bo Karlberg informs about the Poster Prizes to be awarded, and the procedures for selection by the Poster Jury.

4.2 EUROANALYSIS XX, Istanbul, Turkey, 2019

The date will be 1 September - 5 September 2019. Advertising the conference will start immediately after the end of Euroanalysis XIX.

4.3 EUROANALYSIS XXI, Maastricht, The Netherlands, 2021

A Bid Book has been received and has been forwarded to the Delegates. Those Delegates that may not have received the Bid Book should contact the secretary.

Lutgarde Buydens and Oscar van den Brink outline the plans for the conference which will be organized by the Section of Analytical Chemistry of the Royal Dutch Chemical Society and TI-COAST (Top Institute for Comprehensive Analytical Science & Technology).

The application is unanimously approved by the delegates.

5. Reports and Information

5.1 News from EuCheMS

DAC has nominated Renato Zenobi into the Jury for the European Chemistry Gold Medal of EuCheMS.

EuCheMS has proposed a new Working Party "Formulation in Chemistry". DAC has agreed.

EuCheMS has established a "Cooperation Agreement" to be signed by conference organizers of EuCheMS Divisions (see Attachment 4). This agreement is already mandatory for the Euroanalysis conference 2019.

EuCheMS intends to establish a network of senior chemists (details not yet known).

The President of EuCheMS has sent out a letter to reminding of the Atlantic Basin Conference on Chemistry (23-26 January 2018, Cancun).

The 7th EuCheMS Chemistry Congress will take place in Liverpool (UK) from 26 to 30 August 2018. The program themes can be found on the website www.euchems2018.org.

5.2 Study Group 'Education in Analytical Chemistry'; Head: R. Salzer (2016-2019)

The report for 2016/2017 has been received and has been sent out to the delegates. Martin Vogel will become a new member of this Study Group.

Members of a Study Group need not be delegates. Therefore, everyone is welcome who wants to contribute to the activities.

Reiner Salzer informs that the report from the 2nd employment survey will become available early next year. Unfortunately, the response from some countries was not satisfactory.

In general it is evident that analytical expertise is required in a majority of jobs in the chemical and chemistry-related industry, whereas the number of chemistry students finishing with a specific qualification in analytical chemistry is still too small.

5.3 Study Group 'Quality Assurance and Accreditation'; Head: E. Gjengedal (2014-2017)

The report for 2016/2017 has been received and has been sent out to the delegates.

For the future it is planned to publish Technical Notes dealing with various aspects of quality assurance. These Technical Notes should complement documents from Eurachem.

The activities of this Study Groups are extended for 2017-2020.

5.4 Study Group 'History'; Head: D.T. Burns (2014-2017)

The report for 2016/2017 has been received and has been sent out to the delegates.

The activities of this Study Groups are extended for 2017-2020.

5.5 Study Group 'Bioanalytics'; Head: G. Horvai (2016-2017)

The report for 2016/2017 has been received and has been sent out to the delegates.

Slavica Razic reminds about the discussion at the Annual Meeting 2017 on strategies and possible activities of this Study Group. The current mission is still not fully clear.

It is decided to extend the activities for another year. Within this period aims and scope need to be defined.

5.6 Study Group 'Chemometrics'; Head: R. Tauler (2015-2018)

The report for 2016/2017 has been received and has been sent out to the delegates.

A paper "Chemometrics in analytical chemistry—part I: history, experimental design and data analysis tools" has been published in the journal Analytical and Bioanalytical

Chemistry (a copy has been sent to the delegates). Part II will be published next year. A course and a session dedicated to chemometrics are part of Euroanalysis 2017. Activities are planned for the EuCheMS conference 2017 in Liverpool.

New members are welcome in this Study Group.

5.7 Study Group ‘Analytical Chemistry in Archaeometry and Cultural Heritage’; Head: M. Karayannis (2014-2017)

No report has been sent. It is decided to close this Study Group. In the future DAC may appoint a Liaison Person to the Working Party on Chemistry for Cultural Heritage of EuCheMS.

5.8 Task Force “Nanoanalytics”; Head: S. Shtykov (2016-2017)

The report for 2016/2017 has been received and has been sent out to the delegates. The possible role of this Task Force within the ongoing activities of EU and IUPAC are discussed. One of the goals may be the comprehensive collection of definitions and current approaches in nanoanalytics.

Upgrade to Study Group 2017-2020

5.9 DAC website

The website is regularly updated by Slavica Razic. DAC Annual reports and minutes of Annual Meetings are included.

6. Events organized in cooperation with DAC-EuCheMS

6.1 Past events

12th International Students Conference Modern Analytical Chemistry 22 – 23 September 2016 (Prague)

10th Aegean Analytical Chemistry Days (AACD 2016), 29 September - 2 October 2016, Çanakkale, Turkey

EcoBalt 2016, 9 - 12 October 2016, Tartu, Estonia

1st European & 10th German BioSensor Symposium (BioSensor 2017), 20 – 23 March 2017, Potsdam, Germany

ANAKON 2017, 3 – 6 April 2017, Tübingen, Germany

Eurachem Week 2017, 29 May – 3 June 2017, Nicosia, Cyprus

10th In Vino Analytica Scientia, 17 – 20 July 2017, Salamanca, Spain

6.2 Upcoming events

13th International Students Conference “Modern Analytical Chemistry”, 21-22 September 2017, Prague

ESEAC 2018, 3-7 June 2018, Rhodes, Greece

7. Any other business

Wolfgang Buchberger reminds about the ongoing support of Springer and its journal Analytical and Bioanalytical Chemistry for the Euroanalysis conferences. A presentation about this journal is attached (Attachment 5).

The possible presence of DAC on facebook is discussed. Marcela Segundo is prepared to start some activities in this direction.

Marcela Segundo, who is the Liaison Person to the Division of Food Chemistry points out that it is difficult to invite members of that Division to Euroanalysis conferences difficulties when invitation to Euroanalysis because of missing financial resources.

7.1 Date and venue of the next DAC Annual Meeting (in conjunction with the 7th EuCheMS Chemistry Congress in Liverpool)

The Annual Meeting 2018 will take place in Liverpool on Sunday 26th August 2018, 9:00, prior to the 7th EuCheMS Chemistry Conference.

Wolfgang Buchberger
(Secretary)

Slavica Razic
(Chair)

ATTACHMENT 1

List of Participants

COUNTRY	MEMBER SOCIETY	DELEGATE
Austria	Gesellschaft Oesterreichischer Chemiker	Prof. Wolfgang Buchberger
Croatia	Croatian Chemical Society	Prof. Snezana Miljanic
Cyprus	Pancyprian Union of Chemists	Dr. Constantina P. Kapnissi-Christodoulou
Czech Rep	Czech Chemical Society	Dr. Jiri Barek
France	Société Chimique de France	Dr. Christian Rolando
Germany	Gesellschaft Deutscher Chemiker	Prof. Reiner Salzer
Germany	Deutsche Bunsen-Gesellschaft für Phys. Chemie	Prof. Günter Gauglitz
Germany	Gesellschaft Deutscher Chemiker	Dr. Martin Vogel
Italy	Societa Chimica Italiana	Prof. Luigia Sabbatini
Netherlands	Royal Netherlands Chemical Society	Prof. Lutgarde Buydens
Netherlands	Royal Netherlands Chemical Society	Dr. Frans Maris
Netherlands		Iris de Lange
Netherlands		Dr. Oscar van den Brink
Norway	Norwegian Chemical Society	Prof. Elin L. Gjengedal
Poland	Polish Academy of Sciences	Prof. Maciej Jarosz
Portugal	Sociedade Portuguesa de Quimica	Dr. Marcela Alves Segundo
Romania	Romanian Chemical Society	Prof. Raluca-Ioana van Staden
Romania / South Africa		Prof. Koos van Staden
Russia	Mendeleev Russian Chemical Soc	Prof. Sergey N. Shtykov
Serbia	Serbian Chemical Society	Prof. Slavica Razic
Slovenia	Slovenian Chemical Society	Prof. Natasa Gros
Spain	Spanish Society for Analytical Chem	Prof. Jose Luis Perez Pavon
Spain	Catalan Chemical Society	Prof. Roma Tauler
Sweden	Swedish Chemical Society	Prof. Charlotta Turner
Sweden	Swedish Chemical Society	Prof. Bo Karlberg
Switzerland	Swiss Chemical Society	Prof. Franka Kalman
Turkey	Turkish Chemical Society	Prof. Sibel Ozkan
UK	Royal Society of Chemistry	Prof. Paul Worsfold
	EC-JRC	Prof. Hendrik Emons

EuCheMS Division of Analytical Chemistry (EuCheMS-DAC) Strategy for 2018-2020

The main themes are:

1. Promote the EUROANALYSIS series of conferences.
2. Develop the profile of Analytical Chemistry.
3. Review our governance and structure.
4. Enhance the activities of Study Groups and Task Forces.
5. Encourage co-operation with other EuCheMS divisions

The strategy to support these themes is as follows:

Promote the EUROANALYSIS series of conferences

- StC to encourage applications by national bodies to host future EUROANALYSIS conferences.
- StC to make the necessary arrangements for the Robert Kellner Lecture (RKL) and the DAC-EuCheMS Award Lecture to be delivered at each EUROANALYSIS conference.
- StC to make the necessary arrangements for awardees for other prizes (e.g. EuCheMS award, Merck award and International Gold Medal), if necessary.
- AM delegates to publicise EUROANALYSIS conferences and encourage participation.

Develop the profile of Analytical Chemistry

- Encourage relevant national/international meetings to be organised “in co-operation with DAC”.
- Promote links with other relevant international societies / organisations, e.g. Eurachem and IUPAC.
- Maximise the footprint of Analytical Chemistry at each EuCheMS organised European Chemistry Congress (ECC).
- Support the annual publication of the European Analytical Column in relevant Analytical Chemistry journals.
- Enhance the DAC profile via the EuCheMS Newsletter.
- Consider other opportunities to promote Analytical Chemistry.

Review our governance and structure

- Disseminate via email an End-of-Year letter to all delegates and observers .
- Hold an Annual Meeting, which will normally be at the EUROANALYSIS (odd years)/ECC (even years) venue prior to the conference.
- Encourage active participation of all national delegates at the Annual Meeting and in the case of inactivity (3 consecutive years of non-attendance) to suggest replacement by communication with the corresponding Member Society..
- Ensure that the StC meets at least twice a year, including a meeting prior to the Annual Meeting.
- Engage with the EuCheMS executive, including representation at the EuCheMS General Assembly.
- Maintain the DAC website at <http://www.euchems.eu/divisions/analytical-chemistry.html>.
- Review DAC Procedures and Practices.

Enhance the activities of Study Groups and Task Forces

- Receive annual reports from each Study Group and Task Force.
- Periodically (every 3 years) review the future of each Study Group.
- Decide if any Task Force should be converted into a Study Group after 1-2 years of operation.
- Seek ways to promote and disseminate the activities and outputs from Study Groups and Task Forces.

- Encourage Study Groups/Task Forces to contribute to the DAC European Analytical Column and EuCheMS News.

Encourage co-operation with other EuCheMS divisions

- StC to encourage and promote organisation of joined symposia or participation/exchange of speakers on key conferences.
- Encourage DAC delegates to act as liaison persons to other divisions.

Procedures and Practices

Preamble

The **Division of Analytical Chemistry** (DAC) is part of the European Association for Chemical and Molecular Sciences (EuCheMS; until October 2004: FECS - Federation of European Chemical Societies) and as such is a European, scientific, non-political, non-profit-making, non-governmental organization.

The procedures and practices stated in this document have been developed from those of the previous FECS Working Party of Analytical Chemistry (from 1971 to 1997). They complement and are consistent with the **EuCheMS Constitution** and its **Directives for Divisions**.

1. Mission and Objectives

- 1.1 The Division of Analytical Chemistry is a network of societies and their scientists working in Analytical Chemistry throughout Europe and aims to have close links to related institutions all over the world. A broad communicative basis is achieved by cooperation with relevant supranational bodies such as IUPAC and EURACHEM as well as with journals and newsletters, furthermore by holding EUROANALYSIS as a European forum, and by encouraging and morally supporting conferences, particularly those with international participation. The Division strengthens European structures in Analytical Chemistry and gives a voice to its highly interdisciplinary field. It endeavours to establish and maintain the highest quality standards in science and research. DAC accepts a leading role with respect to education and training, as illustrated by issuing and keeping updated, the "Eurocurriculum".
- 1.2 Objectives of the DAC are:
- (i) To contribute to the advancement of Analytical Chemistry in Europe;
 - (ii) To identify important areas in science, technology and other human activities relevant to Analytical Chemistry, and to stimulate actions in such fields;
 - (iii) To address aspects of importance in or to Analytical Chemistry which need regulation, harmonization, standardization or codification, and to make recommendations as appropriate;

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- (iv) To encourage cooperation between analytical chemists whether working in academia, industry or governance, in particular within the countries of the member societies of EuCheMS and international organizations such as IUPAC, FACSS, EURACHEM and ISO;
- (v) To foster close contacts and cooperation of DAC with the European Commission and other relevant institutions;
- (vi) To use its best endeavours to promote the status of analytical chemists in general and in the countries of EuCheMS member societies in particular;
- (vii) To safeguard the interests of the analytical chemistry community, especially concerning recognition and legitimation in matters of regulation and legislation as well as decision making in economic and in social areas;
- (viii) To assist and strengthen quality in teaching and training of analytical chemistry in education and in daily practice;
- (ix) To support the transfer and exchange of knowledge in the areas of DAC expertise both within Europe and in non-European countries;
- (x) To hold EUROANALYSIS (Section 6) and other conferences;
- (xi) To assume a general promotion and coordination function for conferences, Eurocourses and other events related to analytical chemistry, and to advocate EuCheMS support for these;
- (xii) To disseminate information to the wider scientific community and general public about analytical chemistry and its achievements.

2. Delegates, Observers and Guests

- 2.1 (i) Any member society of EuCheMS may be represented in DAC by one **Delegate**. The Delegate is expected to participate in DAC activities including the Annual Meeting (Section 4.1). The Delegate conveys information between DAC and the Society represented. In case of a formal decision, the Delegate casts the vote on behalf of the society represented.
- (ii) A **Delegate** must have expertise in a field relevant to Analytical Chemistry. A Delegate is appointed by a EuCheMS member society which ensures the financial support necessary to perform the duties resulting from the mandate. A Delegate serves on DAC for a period according to the rules of the society represented. It is recommended that the societies appoint their Delegate for a period of at least three

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years, possibly followed by other such periods. The member societies notify DAC on the change of their Delegate.

(iii) In the case that an appointed Delegate cannot participate in the Annual Meeting or other DAC activities, the society represented may mandate a substitute for this event. This must be notified to the Chairperson (Section 3.1) or the Secretary (Section 3.3) in writing and in advance. The substitute must not be another Delegate or Observer (Section 2.2) to the DAC.

- 2.2 (i) DAC desires fruitful contacts with bodies which are actively related to Analytical Chemistry even though they are not members of EuCheMS, such as;
- European organizations or institutions on a supranational basis,
 - global organizations e.g. IUPAC,
 - national chemical societies of non-European countries,
 - associated (European) groups e.g. devoted to special branches and aspects of analytical chemistry.

At the request of DAC such bodies may nominate an expert in a field of analytical chemistry as **Observer** to DAC.

(ii) **Observers** may attend DAC meetings and participate in other DAC activities, however, Observers have no voting rights in DAC business.

- 2.3 For specific purposes and with the consent of the Delegates, a specialist may be requested by the DAC Chairperson (Section 3.1) to attend DAC meetings or to cooperate in DAC activities as **Guest**. Guests may give their views but shall have no voting rights.
- 2.4 The Head of a Study Group (Section 3.5) or a Task Force (Section 3.6) who does not serve as a DAC Delegate is **ex officio Guest** of DAC and requested to participate in DAC meetings. Guest status for three years is given to Chairperson (Section 3.1), Immediate Past Chair (Section 3.1), Heads (Section 3.5, 3.6). Secretary (Section 3.3) and Treasurer (Section 3.4) after resigning from these functions, unless they continue to serve as Delegate anyway.

3. Organization

- 3.1 (i) The **Chairperson** represents DAC in all external affairs and to the public in general. The Chairperson presides at the Steering Committee meetings (Section 3.4), convenes and conducts the Annual Meeting (Section 4.1) and other meetings of DAC.

(ii) The **Chairperson** reports on DAC activities during the Annual Meeting and is responsible for keeping the Delegates, Observers and Guests informed on any important developments between the Annual Meetings. The Chairperson in cooperation

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with the Secretary (Section 3.3) maintains relations to the scientific community in analytical chemistry and as necessary to other related groups and the general public. To this end they produce yearly the **European Analytical Column** and the **Annual Report** to EuCheMS and keep the **DAC internet site** updated.

(iii) The **Chairperson** attends the **EuCheMS General Assembly**. On request of the Chairperson, the Secretary (Section 3.3) or other alternate may fulfil this duty.

(iv) The **Chairperson** supported by the Secretary stimulates activities of DAC and solicits appointments of Delegates, nominations of Observers and members of the Steering Committee as well as applications for EUROANALYSIS.

(v) The **Chairperson**, who shall be a Delegate, is elected for 3 years and may be re-elected once for a second period.

(vi) At the end of their term of office the Chairperson will assume the role of **Immediate Past-Chairperson** for one year and remain as a member of the Steering Committee for that year.

(vi) Normally the call for nominations for the **Chairperson-Elect** is made at the Annual Meeting in the year before the election and the election takes place at the Annual Meeting in the second year of the Chairpersons term of office. A nomination should be made by a society confirming their moral and financial support of the chairmanship. A nomination must be notified to the Secretary not later than three months before the Annual Meeting at which the election takes place. The candidature will be announced with the invitation to the Annual Meeting. Normally the elected person assumes the office of Chairperson-Elect on 1 January following the election and becomes a member of the Steering Committee for familiarisation with the current business. The Chairperson-Elect assumes the office of Chairperson on the following 1 January.

3.2 In case of an unexpected vacancy of the Chair, the immediate past Chairperson will act as **Chairperson ad interim** to run the current business up to the next Annual Meeting at which it is possible to elect a new Chairperson. If the immediate past Chairperson is unable to act, the Steering Committee will appoint one of its members as Chairperson ad interim.

3.3 (i) The **Secretary** shall conduct the correspondence with the Delegates. In cooperation with the Chairperson, the Secretary draws up agendas for DAC meetings, prepares the minutes and compiles an End-of-Year Letter. The Secretary dispatches copies of this material to the DAC Delegates, the societies they represent, the Observers and Guests, and maintains the related list of names and full addresses for postal, courier and electronic delivery.

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(ii) The **Secretary** is ex officio member of all DAC Study Groups and Task Forces to facilitate mutual exchange of information.

(iii) The **Secretary** is proposed by the Chairperson (or Chairperson-Elect). Normally the Secretary is a Delegate; the society represented is requested for moral and financial support of the appointment. The Secretary is approved by the Annual Meeting for a term of office of three years which may be renewed.

3.4 (i) The **Treasurer** is proposed by the Chairperson (or Chairperson-Elect). Normally the **Treasurer** is a Delegate; the society represented is requested for moral and financial support of the appointment. The **Treasurer** is approved by the Annual Meeting for a term of office of three years which may be renewed.

(ii) Income

Whenever there is a request from DAC to transfer funds to its budget line within the EuCheMS account (income), the **Treasurer** of DAC shall send a request with all information needed for issuing an invoice to the Secretary General, cc to the **Chairperson** of DAC. When the invoice is paid, it is put on the division's budget line. If income arises from a DAC conference surplus, 10% of the surplus shall be put onto the EuCheMS central budget line (Appendix I), and 10% to the DAC budget line.

(iii) Expenses

When an expense shall be paid from the DAC budget line, the **Treasurer** of DAC shall send the form for reimbursement of expenses, together with proof of payments of expenses, to the EuCheMS General Secretary, cc to the **Chair** of DAC. If all is in order, it shall be paid from the DAC budget line, after receiving authorisation for payment from the EuCheMS Treasurer. It is entirely up to DAC to decide how the funds are spent for as long as there is enough money on its budget line and appropriate procedures described in related guidelines are followed.^a

(iv) Budget planning

When the Budget for the next financial year is being prepared, the **Chair** of DAC is required to provide and send information for their budget line (on income and expense side) to the EuCheMS Secretary General by the end of May.

3.5 (i) The **DAC Steering Committee** consists of the Chairperson, Secretary and Treasurer plus three to five Delegates appointed by the Annual Meeting (Section 4.1). The Steering Committee normally meets twice a year. In between mail and electronic means of communication shall be used to keep in close contact.

(ii) The Steering Committee is the **DAC executive** and deals with urgent affairs between the Annual Meetings. Decisions taken by the Steering Committee should be communicated to the Delegates and endorsed by the Delegates during the next Annual Meeting.

^a P-006 Division's budget ; P-003 Guidelines for Divisions and Working Parties

- 3.6 **Study Groups** are devoted to major topics of particular importance to DAC such as Education, History, Quality Assurance and Accreditation. The **Head** of any Study Group is appointed by the Annual Meeting and is normally a Delegate (Section 2.1), otherwise a Guest according Section 2.4. The Head of any Study Group is required to submit a written report to the Secretary prior to each Annual Meeting.
- 3.7 A **Task Force** deals with ad-hoc matters. The **Head** of a Task Force is appointed by the Annual Meeting and is normally a Delegate, otherwise a Guest according Section 2.4. The Head of a Task Force provides a written report for the Annual Meeting following its instalment giving recommendations for further action in the particular matter.
- 3.8 Members of a Study Group or a Task Force shall be nominated by the respective Head and appointed by the Annual Meeting. The **membership** of all groups is approved each year at the Annual Meeting. Normally the groups meet in conjunction with the DAC Annual Meeting.

4 Meetings

- 4.1 (i) DAC Delegates meet regularly once a year for the **Annual Meeting** which constitutes the supreme authority of DAC. Among the duties of the Annual Meeting are;
- to elect the Chairperson,
 - to approve the Secretary and Treasurer on proposal of the Chairperson (or Chairperson elect),
 - to appoint members of the Steering Committee on proposal of the Chairperson (or Chairperson elect),
 - to initiate and authorize Study Groups and Task Forces, to define their field of action, to appoint their Heads, and to approve their membership,
 - to receive and discuss the reports from the Chairperson, the Heads of the Study Groups and Task Forces, as well as of the representatives of the EUROANALYSIS conferences (Section 6.1),
 - to choose the location of EUROANALYSIS, and
 - to discuss and decide all relevant issues.
- (ii) The **Annual Meeting** should take place in temporal and spatial conjunction with EUROANALYSIS (Section 6), in other years preferably in conjunction with a meeting which attracts Delegates. Invitations confirming place and date of the meeting and stating the proposed agenda, shall be send to Delegates and their societies as well as to Observers and Guests not later than six weeks before the event. The minutes should be dispatched not later than eight weeks after the Annual Meeting; they should also inform on the proposed place and date of the subsequent Annual Meeting.

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- 4.2 An **extraordinary DAC meeting** shall be arranged on the written request of two Delegates, provided the majority of all Delegates agree by postal voting.

5. Voting Procedures

- 5.1 Normally the DAC reaches decisions by **consensus**.
- 5.2 If voting is appropriate, the case is decided by **simple majority** of the votes cast including abstentions (non-marked ballots). In case of a tie situation the Chairperson casts an additional vote.
- 5.3 There shall be **one vote per member society** of EuCheMS for all items, except for the location of EUROANALYSIS (Section 5.4). The vote is cast on behalf of the member society by its Delegate or its mandated substitute present at the meeting.
- 5.4 For deciding on the location of EUROANALYSIS, there shall be **one vote per country**, i.e., if more than one society of a country are members of EuCheMS, their Delegates have to agree on the vote or abstain.
- 5.5 If voting takes place in a meeting, voting by mail or other ways of communication shall not be acceptable. If the Steering Committee feels that an **urgent decision** must be made by the Delegates that cannot be postponed to the next regular or extraordinary DAC meeting, postal or electronic voting is permitted.
- 5.6 (i) Election of the Chairperson shall be by **secret ballots**. A candidate is elected when obtaining more than half the votes cast including abstentions (“absolute majority”). If at a first voting no absolute majority is reached, the candidates with the two highest numbers of votes qualify for another vote when abstentions are not counted. If there is just one candidate, the ballots must ask for the choice ‘yes’ or ‘no’.
- (ii) An equivalent procedure shall apply to selecting the EUROANALYSIS location.

6. Conferences

- 6.1 (i) As requested by the EuCheMS Directives for Divisions, DAC holds a broad-spectrum conference on analytical chemistry on a regular basis. This conference is called **EUROANALYSIS** and constitutes a forum of the EuCheMS member societies for the analytical chemists from academia, governance and industry. The venue is rotated between all European countries. The organizers must have the support of a national EuCheMS member society and EuCheMS sponsorship.
- (ii) The procedures of the call for tenders, the application and the conduct of the conference are given in Appendix I of this document (“**Rules for EUROANALYSIS**”).

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(iii) The **Presidium** of a given EUROANALYSIS consists of the President of the particular event, the Presidents of the previous two conferences and the President for the subsequent conference of this series as well as the DAC Chairperson who chairs the Presidium. The Presidium approves the scientific committee(s), the structure and the contents of scientific programme and other relevant items. It offers its expertise and help to ensure the success of the conference.

- 6.2 Organizers of a meeting related to analytical chemistry, may apply for an "In cooperation with DAC" designation. It must be understood that this label indicates a specific high quality of the meeting and the desire for international participation. Further details are given Appendix II of this document ("**Guidelines for Meetings organized in cooperation with DAC-EuCheMS**").

7. Honours

- 7.1 A "**DAC Tribute**" is designed to honour a person of outstanding merits and long-lasting valuable services for DAC-EuCheMS. Current DAC Delegates, Observers and Guests are not eligible. Any Delegate can submit in writing a detailed proposal outlining the case for an award. The proposal will be distributed with the agenda of the next Annual Meeting, to be discussed and decided there. The DAC Tribute consists of a document which states the acknowledged merits. It will be handed over by the DAC Chairperson at a suitable occasion, preferably in presence of a large audience of colleagues.
- 7.2 The DAC has established the "**Robert Kellner Lecture**" in memory of the efforts and achievements of the late Prof. Dr. Robert Kellner from Vienna University of Technology towards the consolidation of Analytical Chemistry in Europe. This award shall distinguish a person who has made substantial contribution to the advancement of Analytical Chemistry research or education. The Statutes of the "Robert Kellner Lecture" are given in Appendix III of this document.
- 7.3 The DAC has established the "**DAC-EuCheMS Award**" for sustained contributions to Analytical Chemistry in Europe. This award shall distinguish a European individual who has demonstrated significant and sustained achievements in Analytical Chemistry research or education throughout his/her career.

8. Amendments

Amendments to this Document shall be made at an Annual Meeting and shall require a majority of at least two thirds of the votes cast.

Approved by the DAC Delegates at the Annual Meeting on 5 September 1999 in Bratislava, Slovakia.

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Amended unanimously by the Annual Meeting on 21 September 2003 in Thessaloniki, Greece. Appendix III modified at the Annual Meeting on 25th August 2013 in Warsaw, Poland. Appendix IV added at the Annual Meeting on 25th August 2013 in Warsaw, Poland. This version is subject to final approval at the 2018 Annual meeting.

The parent association FECS adopted the name 'EuCheMS' in October 2004; this document has been changed accordingly as endorsed by the DAC Annual Meeting on 25 June 2006 in Moscow, Russia.

DAC Procedures and Practices Appendix I

Rules for EUROANALYSIS

- 1 EUROANALYSIS is a broad-spectrum conference on analytical chemistry held on a regular basis, preferably every second year, as a common forum of the national societies represented in the DAC and the meeting place of the analytical community from academia, governance and industry. Preference is given to European speakers as invited lecturers. No person should be offered a plenary or keynote lecture at two successive EUROANALYSIS conferences.
- 2 The decision on the **location** of a EUROANALYSIS is based on applications and taken by voting at the Annual Meeting at least three years ahead. Venues should be rotated between all European countries.
- 3 The DAC Chairperson or Secretary shall, at least 9 months ahead of the decision meeting and in writing, invite Delegates and their societies to **tender** for EUROANALYSIS.
- 4 The applicants shall submit a **Bid Book** together with a supporting letter from a relevant organization, preferably a member society of EuCheMS, to all DAC Delegates at least 3 months ahead the Annual Meeting where the decision is made. The Bid Book shall contain the basic features and essential information as well as the fees to be expected with the understanding that each EUROANALYSIS shall be financially self-supporting. The applicants shall give a concise presentation of their proposals during the Annual Meeting which are discussed prior to the vote.
- 5 An application for EUROANALYSIS can only be considered if the prospective organizers agree to the **commitments** among which are to
 - i. adhere to the DAC Procedures and Practices,
 - ii. take all steps to ensure that every interested scientist is able to attend the conference without hindrance and that visas are granted without undue delay,
 - iii. obtain EuCheMS sponsorship,
 - iv. use the DAC logo on the covers of related printed matters,
 - v. implement the Presidium in the organizational structure according its duties outlined in Section 6.1 of the DAC Procedures and Practices,
 - vi. arrange for the "Robert Kellner Lecture" and "DAC Award lecture" as plenary lectures in a prominent place, including free participation of the awardees in EUROANALYSIS,

European Association for Chemical and Molecular Sciences

- vii. include - on request of the presidium – a EuCheMS Lecture and a session for important analytical science awards, such as the Emanuel Merck Prize,
 - viii. schedule a lecture on the history of analytical science in the host country, preferably within the opening session,
 - ix. report to the Annual Meetings including the one following the conference,
 - x. keep the Presidium informed on the progress and any difficulties encountered in the organization,
 - xi. arrange a visitation by the Presidium about 18 months before the conference to discuss all aspects of the organisation,
 - xii. strive for balanced participation from all European regions,
 - xiii. encourage young scientists to participate, especially by offering low registration fees and cheap accommodation, and by allocating a generous number of oral presentations to them,
 - xiv. produce a written final report on the course, participation and outcome of the conference well before the Annual Meeting in the year after the conference,
 - xv. provide exhibition space for cooperating journals and meetings,
 - xvi. spend 5% of the income from the full registration fees for the benefit of the next EUROANALYSIS; the specific use, e.g. to contribute to a balanced regional participation or to attract certain groups, shall be agreed with the organizers of the next EUROANALYSIS and the Presidium.
 - xvii. 20% of any surplus that may be achieved, after settlement, shall be shared equally (50:50) between the core budget of EuCheMS and the DAC budget.
 - xviii. If the conference closes with a deficit or has to be cancelled, the deficit shall be the responsibility of the member society except that 10% will be covered by EuCheMS. The DAC may also opt to cover 10% of any deficit.
- 6 The material presented at a EUROANALYSIS should be published as soon as possible after the conference.

Approved as part of the DAC Procedures and Practices by the Annual Meeting on 5 September 1999 in Bratislava, Slovakia. Amended unanimously by the Annual Meeting on 21 September 2003 in Thessaloniki, Greece. This version is subject to final approval at the 2018 Annual meeting. The parent association FECS adopted the name 'EuCheMS' in October 2004; this document has been changed accordingly as endorsed by the DAC Annual Meeting on 25 June 2006 in Moscow, Russia.

DAC Procedures and Practices
Appendix II

Guidelines for Meetings organized in cooperation with DAC-EuCheMS

Organizers of a meeting related to analytical chemistry, may apply for an "In cooperation with DAC" designation. It must be understood that this label indicates a specific high quality of the meeting and the desire for international participation. The usage of English, particularly in slides etc., is encouraged.

The application should be submitted in writing to the DAC Chairman or Secretary at an early stage of the preparations. After the consent of the Steering Committee, the organizers can use the DAC logo and state the cooperation in their announcements. The meetings will be listed on the DAC internet site. These co-operations are notified to the DAC Annual Meeting.

DAC will provide information on its composition, objectives, aims and current programmes for presentation at the conference. The organizers are required to provide an informative written report (not more than 250 words) at the Annual Meeting following the event. The report is included in the Minutes and thus conveyed to DAC Delegates, Observers and Guests.

Approved by the Annual Meeting on 16 September 2001 in Córdoba, Spain.

The parent association FECS adopted the name 'EuCheMS' in October 2004; this document has been changed accordingly as endorsed by the DAC Annual Meeting on 25 June 2006 in Moscow, Russia.

Statutes of the "Robert Kellner Lecture"

- 1 The Division of Analytical Chemistry of the European Association for Chemical and Molecular Sciences (DAC-EuCheMS) has established the "Robert Kellner Lecture", sponsored by Springer-Verlag, in memory of the efforts and achievements of the late Prof. Dr. Robert Kellner from Vienna University of Technology towards the consolidation of Analytical Chemistry in Europe.
- 2 The lectureship shall be every second year. The lecture shall be delivered as a prominent plenary lecture at a EUROANALYSIS Conference.
- 3 The awardee shall be an individual who has made substantial recent contributions (in the last five years) to the advancement of Analytical Chemistry research or education in Europe.
- 4 Nominations will be publicly called for. Candidates may be proposed by one of the European Chemical Societies, other scientific bodies and individual scientists (self-nomination excluded). The nomination must include a justification letter describing the achievements and the candidate's curriculum vitae and address. It must reach the Secretary of DAC-EuCheMS before the date given in the announcement of the call. Current DAC Delegates, Observers and Guests are not eligible.
- 5 The jury for each "Robert Kellner Lecture" shall take due regard of gender balance and be composed of up to six renowned analytical chemists (including not more than two current DAC-EuCheMS delegates). The jury members are proposed by the DAC Steering Committee and endorsed by the DAC Annual Meeting. The jury acts in an honorary capacity. One third of the jury members shall normally rotate every two years.
- 6 The DAC Steering Committee has the right to nominate additional candidate(s) if requested to do so by the "Robert Kellner Lecture" jury.
- 7 The lectureship shall be granted to a single candidate or left unawarded if none of the candidates is judged to qualify as a suitable recipient.
- 8 The awardee will receive a diploma as well as free registration for the EUROANALYSIS Conference at which the "Robert Kellner Lecture" is delivered.

Originally passed by the DAC Annual Meeting on 21 September 2003 in Thessaloniki, Greece and last revised at the DAC Annual Meeting in Warsaw, Poland on 25 August 2013. This version is subject to final approval at the 2018 Annual meeting.

European Association for Chemical and Molecular Sciences

DAC Procedures and Practices

Appendix IV

Statutes of the "DAC-EuCheMS Award"

- 1 The Division of Analytical Chemistry of the European Association for Chemical and Molecular Sciences (DAC-EuCheMS) has established the "DAC-EuCheMS Award", sponsored by Springer-Verlag, for sustained contributions to Analytical Chemistry in Europe.
- 2 The award shall be given every second year. The awardee is expected to deliver a lecture at the next EUROANALYSIS Conference.
- 3 The awardee shall be an individual who has demonstrated significant and sustained achievements in Analytical Chemistry research or education in Europe throughout his/her career.
- 4 Nominations will be publicly called for. Candidates may be proposed by one of the European Chemical Societies, other scientific bodies and individual scientists (self-nomination excluded). The nomination must include a justification letter describing the achievements and the candidate's curriculum vitae and address. It must reach the Secretary of DAC-EuCheMS before the date given in the announcement of the call. Current DAC Delegates, Study Group Heads, Observers and Guests are not eligible.
- 5 The jury for each "DAC-EuCheMS Award" shall take due regard of gender balance and be composed of up to six renowned analytical chemists (including not more than two current DAC-EuCheMS delegates). The jury members are proposed by the DAC Steering Committee and endorsed by the DAC Annual Meeting. The jury acts in an honorary capacity. One third of the jury members shall normally rotate every two years.
- 6 The DAC Steering Committee has the right to nominate additional candidate(s) if requested to do so by the "DAC-EuCheMS Award" jury.
- 7 The award shall be granted to a single candidate or left unawarded if none of the candidates is judged to qualify as a suitable recipient.
- 8 The awardee will receive a diploma as well as free registration for the EUROANALYSIS Conference at which the "DAC-EuCheMS Award" lecture is delivered.

Originally passed by the Annual Meeting of DAC-EuCheMS on 25th of August 2013 in Warsaw, Poland. This version is subject to final approval at the 2018 Annual meeting.

Attachment 4

EuCheMS Conference Cooperation Agreement 20170823
FOR INTERNAL DISCUSSION

Cooperation Agreement

between the

**European Association for Chemical and Molecular Sciences, Rue de Trône 62,
1050 Brussels, Belgium**
(hereinafter referred to as "EuCheMS")

and the

[name Member Society], [address]
(hereinafter referred as the "MS")

concerning the preparation and organization of the [name Conference]
(hereinafter referred to as the "Conference")

Preamble

[name EuCheMS Division] will organize a [name Conference] to [purpose of the Conference].

While the Conference will be held under the auspices of EuCheMS, the actual organization and arrangement of the Conference is entrusted to the MS acting in conjunction with the Division. MS may decide to organise a conference through a conference organiser (hereinafter PCO), however, responsibilities agreed with this Cooperation Agreement are on the MS.

The Conference shall take place from [] to [] [month] [year] in [city + country] and the MS shall be hosting the Conference.

Therefore, the parties agree as follows:

1. Responsibilities of the MS

The MS as the local organizer shall arrange, in collaboration with the Division (and the PCO, when relevant) for all services and facilities needed to hold the Conference. The MS shall present regular reports to the respective EuCheMS Division at its meetings. All costs accrued due to these organizational responsibilities shall be initially paid for by the MS.

2. Responsibilities of EuCheMS

EuCheMS shall support the MS to its best abilities. In particular, EuCheMS shall promote the Conference, i.e. promote participation of European chemical scientists and promote the participation of companies in the exhibition, through the EuCheMS Newsletter, the EuCheMS website and other means available. In addition, EuCheMS shall encourage its member organizations and its Divisions and Working Parties to promote the Conference in their respective membership magazines and websites and to establish schemes to support the participation of younger scientists.

EuCheMS Division (Chairperson) shall report and/or consult the EuCheMS Executive Board through the EuCheMS General Secretary whenever relevant, especially if problems arise. The Chairperson shall send the approved final report not later than 7 months after the Conference to the EuCheMS General Secretary, clearly indicating surplus/loss and all information needed to transfer funds accordingly.

3. Surplus and Deficit

At the latest 6 months after the Conference the MS shall submit a final report, including a final balance and the underlying accounting documents and records, to the EuCheMS Division for review and approval. When approved by the Division, its current Chairperson shall send it to the EuCheMS General Secretary. 20% of any surplus that may be achieved, after settlement of (i) the expenses accrued by the MS; (ii) the services; and (iii) third-party expenses, shall be transferred to EuCheMS, and shall be shared equally (50:50) between the core budget of EuCheMS and the budget of [name EuCheMS Division]. The remaining amount of the surplus (i.e. 80%) shall remain with the MS. If, contrary to the expectations and despite intensive endeavours by the MS and EuCheMS, the Conference closes with a deficit or has to be cancelled, the deficit shall be the responsibility of the MS except that 10 % will be covered by EuCheMS. The Division may also opt to cover 10 % of any deficit.

4. Committees

There shall be 2 committees.

(i) The Local Organizing Committee is responsible for the local organization of the Conference. Its members shall be selected by the MS, after consultation with EuCheMS Division and shall include at least one member of the EuCheMS Division as Chair and at least one representative of the MS. Reports from the Local Organising Committee shall be presented regularly to the EuCheMS Division.

(ii) The Scientific Committee is responsible for the scientific program of the Conference. It suggests the Plenary Lecturers. The Chairperson of the Scientific Committee shall be appointed by the EuCheMS Division after approval by the MS. The Scientific Committee is composed of the Chairperson, the chairperson of the Local Organizing Committee and such other members as are agreed by the EuCheMS Division. The Scientific Committee, although having full responsibility for the scientific programme, shall provide regular reports to the EuCheMS Division. The final scientific programme shall be brought to the notice of the EuCheMS Division which shall have the right to object. The EuCheMS Division shall not exercise the right to object in an unreasonable manner. If no consensus can be reached in any scientific matter related to the Conference before submitting the proposal to the EuCheMS Division, the Chairperson of the Scientific Committee has the power to decide.

5. Support for Speakers, Conveners and Committee Members

The costs for travel and accommodation of the plenary and invited Lecturers (registration, accommodation and/or travel expenses (economy class air tickets) will be recompensed to an extent agreed in advance. The EuCheMS Division and MS may agree to refund some or all expenses to members of the Organising and Scientific Committees if funds allow. EuCheMS Division and the MS shall jointly decide whether this condition has been met. If agreement on this cannot be reached the condition shall be viewed as not being met. If the Conference organizers permit a Division or EuCheMS itself to invite additional speakers or guests the organizers shall not bear any responsibility for the corresponding travel, accommodation, or other costs and expenses.

No further financial support shall be envisaged.

All the above expenses, costs and reimbursements shall be included in the Conference budget.

6. Decisions and Representation

The decision responsibility is fully on the MS through the Local Organising Committee and the Scientific Committee as concerns the Conference organisation and progression. Both committees, however, shall provide regular reports to the EuCheMS Division at its regular meetings. Here any suggestions, complaints and possible disagreements may be discussed and agreed on solutions. If no agreement can be reached, the EuCheMS Division shall decide on scientific matters with a simple majority; the MS will decide on organisational issues.

7. Use of EuCheMS logo

The MS and EuCheMS Division may use the EuCheMS logo even in the case where the logo or the logotype may be protected by trademark or any other registration during the Conference and its preparation for the conference itself, its promotion and documentation, following the EuCheMS Procedure on recognition of events.

8. Cancellation of the Conference

EuCheMS Division and the MS shall jointly decide in due time by the agreed closing date for registration whether the Conference shall take place, taking into account the financial situation and the number of participants registered. If agreement between EuCheMS Division and the MS cannot be reached, the final decision whether the Conference shall be cancelled or not shall lie with the EuCheMS Division unless the anticipated deficit exceeds [amount + currency]. If the anticipated deficit exceeds this sum the final decision whether the Conference shall be cancelled or not shall lie with the MS (which then bears 80 or 90 % of the financial risk, see Section 3).

9. Termination

This agreement is automatically terminated by the EuCheMS Executive Board's approval of the final report of the MS in accordance with Article 3, or if the Conference is cancelled pursuant to Article 8. In addition, this Agreement will be terminated, effective immediately, upon notice to the other party as a result of any of the following events:

- a) The insolvency of either party, or the filing of a voluntary or involuntary petition in bankruptcy or for a reorganization arrangement under applicable laws by or against any of them or their property; the making of an assignment for the benefit of any of their creditors; or the voluntary or involuntary dissolution of the partner.
- b) The untrue statement of a material fact, or omission to state a material fact, in any communication or statement by the party in the performance of this Agreement.
- c) Any breach by the party of any of the provisions of this Agreement or any other contractual or legal obligations.

10. Limitation of Liability

In the event that the Conference closes with a deficit or is cancelled, the liability of EuCheMS will under no circumstances exceed 10 % of the deficit.

Neither party, by reason of termination of this Agreement, shall be liable to the other for compensation, reimbursement or damages because of the loss of anticipated sales or prospective profits or because of expenditures.

11. Force Majeure

Neither party shall have any liability to the other for delays, failure to award/deliver or cancellation due to strikes; fires; Acts of God; accidents; compliance with governmental requests, laws, regulations, or orders; or any other event, beyond the reasonable control of the party affected. The party so affected shall promptly notify the other party of the event and provide its estimate of the expected period of delay.

12. Applicable Law

This Agreement shall be governed by the laws of Belgium.

EuCheMS Conference Cooperation Agreement 20170823
FOR INTERNAL DISCUSSION

Agreed and accepted

For EuCheMS Division
Date and place
[Name]
Chairperson

Signature

For EuCheMS
Date and place
[Name]
President

Signature

For the MS
Date and place
[Name]
President

Signature



ANALYTICAL & BIOANALYTICAL CHEMISTRY



Analytical and Bioanalytical Chemistry

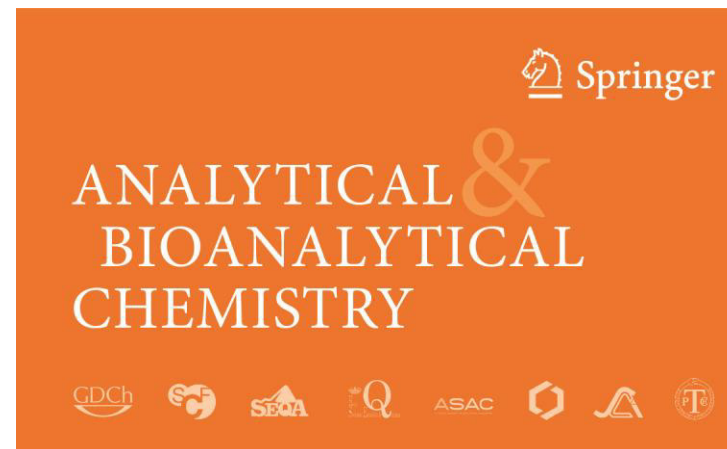
Presentation 2017



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- ABC is partly owned by eight chemical societies:

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- and supporting by:

Division of Analytical Chemistry of the German Chemical Society (GDCh),
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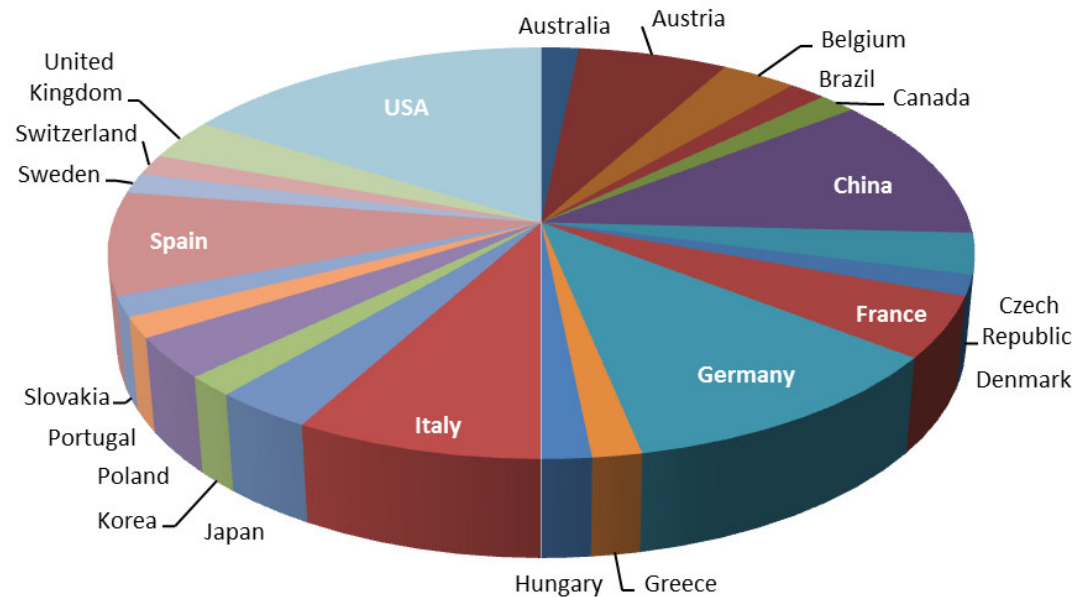
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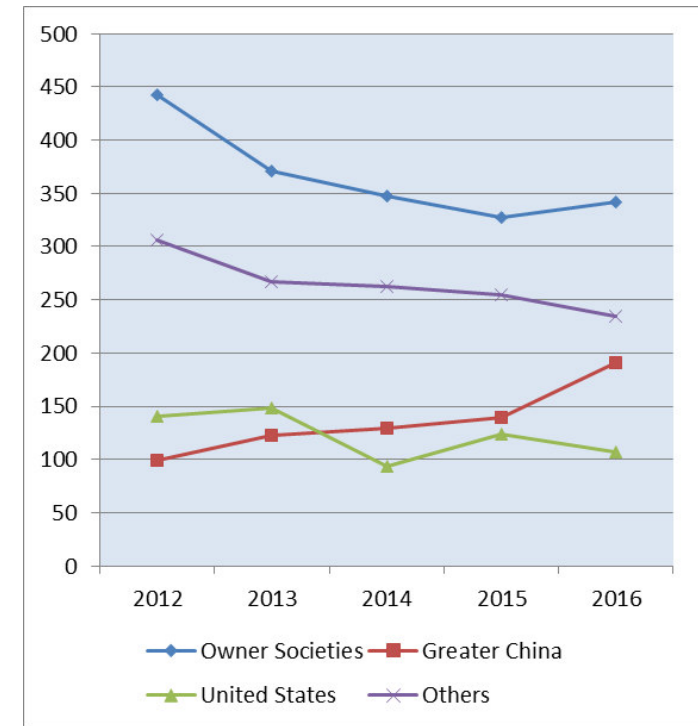
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ABC's scope:

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- *encouraging **multidisciplinary** solutions to problems in this field*

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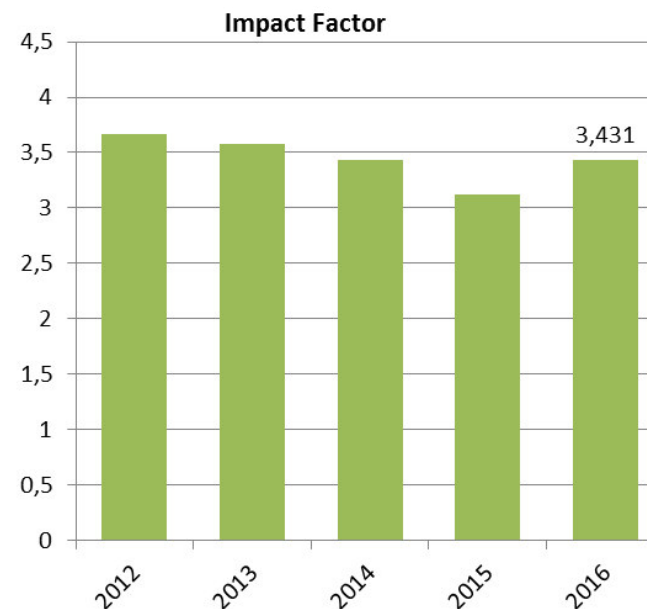
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Impact Factor 2016

Chemistry, analytical (75 journals)		IF 2016	IF 2015	Total citations
1	TRAC-TREND ANAL CHEM	8.442	7.487	12,038
2	BIOSENS BIOELECTRON	7.780	7.476	41,829
3	ANNU REV ANAL CHEM	7.435	8.000	1,964
4	ANAL CHEM	6.320	5.886	117,787
5	SEP PURIF REV	6.077	5.824	575
6	SENSOR ACTUAT B-CHEM	5.401	4.758	56,215
7	ANAL CHIM ACTA	4.950	4.712	45,310
8	MICROCHIM ACTA	4.580	4.831	7,803
9	TALANTA	4.162	4.035	36,054
10	CRIT REV ANAL CHEM	4.000	2.667	1,13
11	J CHROMATOGR A	3.981	3.926	63,66
12	ANALYST	3.885	4.033	27,717
13	ENVIRON CHEM	3.516	2.455	2,05
14	J ANAL APPL PYROL	3.471	3.652	9,952
15	DRUG TEST ANAL	3.469	2.859	2,095
16	ANAL BIOANAL CHEM	3.431	3.125	28,241
17	J ANAL ATOM SPECTROM	3.379	3.379	8,841
18	J PHARMACEUT BIOMED	3.255	3.169	17,65
19	MICROCHEM J	3.034	2.893	5,837
20	J ELECTROANAL CHEM	3.012	2.822	24,825

Rank 16 by IF out of 76 journals listed in the category „chemistry, analytical“

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Publication times 2016

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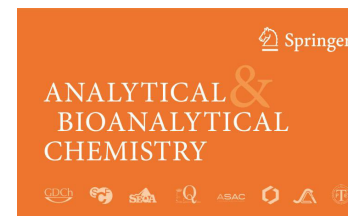
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- **Poster and lecture awards:** *Spotting talents at conferences!*
- **Robert Kellner Lecture** (*awarded by DAC-EuCheMS / sponsored by Springer*) recognizes a European individual for substantial recent contributions to the advancement of Analytical Chemistry research or education: Luigi Mondello (2017), Bernhard Lendl (2015), Juergen Popp (2013), Jonas Bergquist (2011), Boris Mizaikoff (2009), Alfredo Sanz-Medel (2007)
- **DAC-EuCheMS Lecture** (*awarded by DAC-EuCheMS / sponsored by Springer*) recognizes a European individual who has demonstrated significant and sustained achievements in Analytical Chemistry research or education throughout his/her career: Lo Gorton (2017), Miguel Valcárcel (2015)

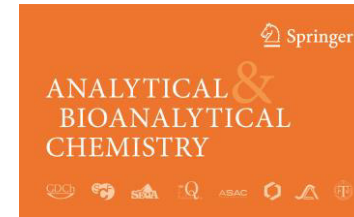
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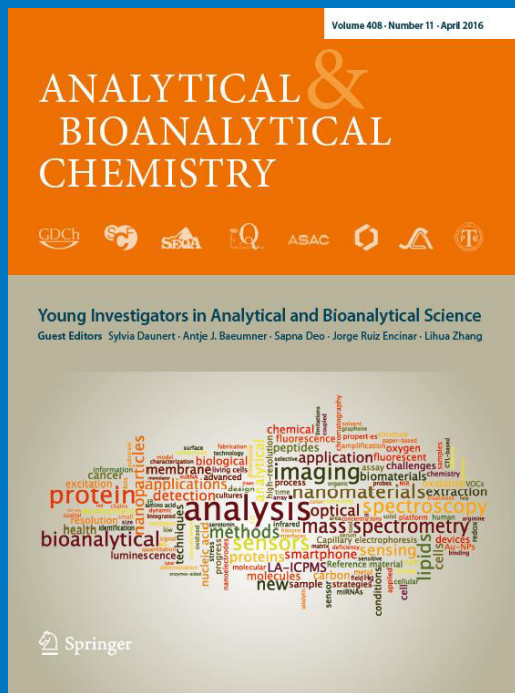
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- From single molecules to life: microscopy at the nanoscale by artosz Turkowyd , David Virant, Ulrike Endesfelder

Top cited articles published in 2016

- Analytical applications of MIPs in diagnostic assays: future perspectives by Thomas S. Bedwell, Michael J. Whitcombe
- Advances in explosives analysis-part I and II by Kathryn E. Brown, Margo T. Greenfield, Shawn D. McGrane, David S. Moore

Thank you !



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