



**YEAR BOOK 2018**



## ACKNOWLEDGEMENT

The Editorial Team of the 2018 Year Book sincerely thank all those involved for their contributions and for reviewing the draft version.



## PUBLISHER AND COPYRIGHT

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## EDITORIAL

As my first year as President of EuChemS comes to an end, I look back on what has been an important and exciting year and I am able to look back with satisfaction at all our achievements, and with gratitude to all those that have accompanied me in this task. Let me start by thanking our Past President, and current Vice-President, David Cole-Hamilton, who has been an extraordinary guide and help, as well as to our dedicated Treasurer Eckart Rühl. I am also very grateful for the support given to me by the members of the Executive Board, and would like to extend my very special thanks to the EuChemS Secretariat, Nineta, Alex and Marta, for all their enthusiasm and dedication. I wish to also acknowledge the hard work of the Chairs and members of the EuChemS Professional Networks. Without the involvement and hard work of all those mentioned above, none of what we have done together would have been possible. On behalf of all of EuChemS, I would also like to warmly welcome the Union of Chemists of Bulgaria who will be joining EuChemS at the beginning of 2019.

2018 has witnessed an increased discussion on the role of science and of scientists in contributing to and shaping the public debate. There has also been a growing estrangement between parts of our population with the work that scientists do, a scepticism that has led to repercussions at the global political level.

*“ It is of course our duty to respond to this uncertainty and to encourage trust and curiosity in our work, and to reignite the spark that makes science, and Chemistry, so magical and special. ”*

Chemistry has the potential to radically change our lives for the better, to help us move toward finding sustainable solutions to challenges facing our planet, our environment, our social woes – but we need to work towards better communicating this.

Chemistry has also been challenged and shaped by internal discussions, a self-scrutiny which has launched crucial debates on the role of women in the community, on the future of publishing and more specifically, open access, but also on issues such as reproducibility, scientific integrity, and conflicts of interest.

Within this shifting and challenging context, EuChemS has experienced an intense but stimulating and important year, whether in terms of policy-focused activities, major events and congresses, new awards or original and innovative projects.

*“ 2018 witnessed a landmark moment in our history: a new name, a new acronym, and a new logo. Together, we are now EuChemS, the European Chemical Society. ”*

The name is simpler, but more importantly, better reflects who we are, who we represent, what we do, and what we embody. We believe that the new logo will also better reflect our diversity and our unity and will enable citizens, scientists, and decision-makers to more easily understand the unique, ambitious and driven community we are.

The year was made all the more special by the 7<sup>th</sup> EuChemS Chemistry Congress which took place in August in Liverpool, UK, and co-organised with the Royal Society of Chemistry. With more than 1,500 delegates from more than 60 countries, the five-day programme was an immense success that proved a wonderful opportunity to listen to outstanding speakers, network with scientists from across the world, and to share our passion for, and commitment to, the chemical sciences. The Congress also saw the first presentation of the European Gold Medal Award, granted to Nobel Laureate Bernard Feringa, who delivered the opening plenary lecture. Continuing with our tradition of acknowledging the outstanding commitment in fostering Chemistry in Europe, the EuChemS Award for Service 2018 was presented to three outstanding scientists: Francesco De Angelis, Sergio Facchetti, and Reiner Salzer, whose commitment to EuChemS' goals is beyond any doubt.

Throughout the year, EuChemS has been involved in a number of vital policy debates, ranging from the future EU research framework programme Horizon Europe, to Open Science, food safety, education, and specific topics such as Parkinson's disease. Through Position Papers, answers to public consultations, workshops and participating in numerous events, EuChemS has ensured the voice of chemists is heard at the EU level, and that policymaking remains informed by scientific knowledge and evidence.

Recognising our responsibility in defending and promoting ethical behaviour and research integrity in the chemical sciences, we have developed an interactive online course on “Good Chemistry: Methodological, Ethical and Social Dimensions” aimed at Master and PhD students. This is the result of the dedicated work of the Working Party on Ethics in Chemistry and the Division for Chemical Education. The course is currently being piloted in different universities across Europe.

This year has also been important in planning for the next. Indeed, 2019 has been declared the International Year of the Periodic Table of the Chemical Elements (IYPT2019), and we are very much looking forward to participating in various activities and events with our member societies, professional networks, as well as with IUPAC, who will in turn commemorate their 100-year anniversary.

*“ This upcoming year-long celebration proved a wonderful opportunity: the design of a unique Periodic Table. ”*

The outcome is a truly unusual Periodic Table, which highlights the very real threat of element scarcity and displays the unsustainable use of endangered elements in our smartphones. We hope it will stimulate a debate at both the individual level, but also the political, on how we use, recycle and waste our electronics.

The following pages endeavour to provide a clear and concise summary of the numerous activities EuChemS has been involved in throughout 2018. It is my hope that it provides a clearer image of what EuChemS does for its community, and for Chemistry more generally, and I hope it will encourage ever more interest and enthusiasm in getting involved in our activities and our mission.

**Pilar Goya Laza**  
President



2018 EuChemS General Assembly, Liverpool, United Kingdom

## EUCHEMS GENERAL ASSEMBLY

The General Assembly, the governing body of EuChemS, meets on an annual basis and defines the general policy directions to be taken. It is composed of a representative from each of the member societies and supporting members.

Taking place over two days ahead of the opening ceremony of the 7<sup>th</sup> EuChemS Chemistry Congress in Liverpool, UK, and hosted by the Royal Society of Chemistry, the 2018 General Assembly successfully brought together representatives from EuChemS member societies and supporting members. Many of the upcoming developments and activities to be carried out by EuChemS in 2019 were discussed and defined.

In particular, discussions focused on preparations and ideas for projects, events, and activities in celebration of the 2019 International Year of the Periodic Table (IYPT2019). Other important topics such as the launch of the EuChemS online course on Chemistry and

Ethics, as well as updates on the 3<sup>rd</sup> European Employability Survey for Chemists were discussed. The latest EuChemS activities on the upcoming EU research framework programme (Horizon Europe) were also presented to the General Assembly.

Among its decisions, the General Assembly was proud to accept the new membership of the Union of Chemists of Bulgaria, which will join EuChemS as a new member as of January 2019. The General Assembly also approved the application of the Working Party of Chemistry and Energy to the status of Division.

The 2018 EuChemS General Assembly annual meetings were kindly hosted by EuChemS Member Society the Royal Society of Chemistry, and took place in Jury's Inn Hotel, Liverpool, on 25 and 26 August 2018.

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**Nineta Hrastelj**  
*General Secretary*

# EXECUTIVE BOARD

The Executive Board is responsible for managing the scientific, educational and professional activities of EuChemS.

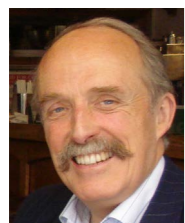
The Executive Board includes the President, Vice-President, Treasurer, members elected by the General Assembly and other members appointed by the Executive Board to provide special expertise.



**President**  
**Pilar Goya Laza**  
*Spanish Royal Society of Chemistry*



**Elected member**  
**Kenneth Ruud**  
*Norwegian Chemical Society*



**Vice-President**  
**David Cole-Hamilton**  
*Royal Society of Chemistry*



**Elected member**  
**Nicola Armaroli**  
*Italian Chemical Society*



**Treasurer**  
**Eckart Rühl**  
*German Bunsen Society for Physical Chemistry*



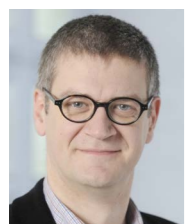
**Elected member**  
**Pavel Drašar**  
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*German Chemical Society*



**Appointed member**  
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*Italian National Board of Chartered Chemists and Physicists*



**Appointed member**  
**Francisco Javier Perez Trujillo**  
*ANQUE*

# SECRETARIAT



**Nineta Hrastelj**  
*General Secretary*



**Marta Kucza**  
*Administrative Officer*



**Alex Schiphorst**  
*Science Communication & Policy Officer*



**Rafaël Deroo**  
*External Consultant (since September 2018)*



**Bruno Vilela**  
*Public Affairs Officer (until February 2018)*



## POLICY INITIATIVES

EuChemS endeavours to successfully raise awareness of the vital role Chemistry plays in providing solutions to the many environmental, societal, health-related and economic challenges that we face. At the same time, EuChemS aims to keep its community abreast of the latest policy developments impacting the chemical sciences and to provide networking and knowledge exchanges between scientists and policymakers.

At the policy level, EuChemS actively advocates on behalf of the Chemistry community by liaising with the different European Institutions and European Agencies, providing Position Papers on crucial topics, organising workshops, responding to public consultations and calls for feedback as well as through European Commission delegations. Because of the broad range of Chemistry disciplines that EuChemS represents, we are able to provide scientific advice on a variety of topics, from environmental issues and climate change to Open Science, food safety to Clean Energy, from education and STEM to scientific integrity.



## RESEARCH & INNOVATION

### Chemistry and the EU Horizon Europe programme

The next EU research framework programme known as Horizon Europe, will succeed Horizon2020 as of January 2021. The draft programme was put forward by the European Commission with a proposed budget of some €100 billion and which introduced the notion of 'Missions', that is, defined goals with specific targets to be achieved in a set timeframe. EuChemS responded with an [initial position paper](#) which provided concrete examples of possible missions that could be included in the future. Following further developments and negotiations at the level of the European Parliament, [EuChemS published a second position paper](#) outlining several crucial issues: firstly, that the pillar of 'excellence' should remain at the very core of Horizon Europe. EuChemS moreover stressed the need for a more ambitious budget for the programme as well as for the European Research Council (ERC) and Marie Skłodowska-Curie Actions.

“ In light of the still unresolved outcome of Brexit negotiations, EuChemS also underlined the need to provide countries that had previously participated in EU framework programmes to be able to do so again in the future. ”

On 21 November 2018, the European Parliament's Committee on Industry, Research and Energy (ITRE) voted in favour of the reports and amendments proposed by Members of the European Parliament Dan Nica and Christian Ehler. The amendments put forward by Dan Nica aim to address the research and innovation divide in Europe. EuChemS echoed the concerns of universities and research institutes over the move and underlined that the very best science should be supported, regardless of where in Europe it comes from. The European Parliament in turn voted in favour of the reports. But whilst such unity was expressed in the Parliament, the debate is likely to stall as Council ministers have agreed on a general approach which would continue to promote scientific excellence as the first objective of Horizon Europe. Doubts were however expressed over the role of 'Missions', and no budget line was proposed – figures only likely to be discussed once the entire budget of the Multiannual Financial Framework (MFF) of the EU is better defined.

### EuChemS signs the Future Partnership Project Statement

EuChemS signed the Future Partnership Project statement launched by the Royal Society and the Wellcome Trust in May 2018. The project aimed to send a powerful message to leaders in the UK and the EU that science knows no borders and that a shared vision for an 'ambitious, close and achievable future agreement on research and innovation' is essential.

[www.euchems.eu/euchems-signs-the-future-partnership-project-statement](http://www.euchems.eu/euchems-signs-the-future-partnership-project-statement)

## OPEN SCIENCE

### Open access in scientific publishing: a bumpy transition?

At the European Open Science Forum in Toulouse, Robert-Jan Smits, appointed European Commission “envoy” on Open Science declared that a ‘Plan-S’ was soon to be unveiled. A coalition (the self-declared cOAlition S) of funding agencies, supported by the European Commission would sign-up to a plan to decisively speed up the transition to Open Access. To do so, the signatories of Plan-S will make publishing in Open Access journals mandatory for the research they fund. The Chemistry community has been particularly concerned over some of the implementation consequences of Plan-S and disappointed at the lack of debate and discussion with those who may be most affected. In November 2018, details of the implementation of Plan-S were published. EuChemS set up a dedicated Task Force which will provide a response to the call for feedback on the implementation of the plan, and which would look at some of the intended and unintended consequences of Plan-S and explore alternatives to the issues raised.

### Open Science Policy Platform

EuChemS has also been active on the High-Level advisory group, the Open Science Policy Platform (OSPP), whose aim is to provide support to the European Commission on how to further develop and implement open science policy. EuChemS is represented in the group by Executive Board member Wolfram Koch. The OSPP met three times in 2018, and in April 2018, adopted a set of ‘prioritised actionable recommendations’ regarding eight Open Science ambitions put forward by Commissioner Carlos Moedas. Nevertheless, some of these were not endorsed by EuChemS, notably because they lacked understanding or recognition of the Chemistry community’s concerns.

## HEALTH & FOOD SAFETY

### “Parkinson’s disease: causes and cures” - a policy workshop in the European Parliament



On 8 November 2018, experts from the scientific community, alongside Members of the European Parliament, the European Commission, and the European Food Safety Agency (EFSA), came together to discuss the latest treatments for Parkinson’s disease, but also its causes, and how we can move forward clinically, and politically. The session provided a kaleidoscopic, timely, and stimulating overview of the current medical and scientific understanding of the disease, as well as the political efforts and support that exist in developing treatments. The workshop was jointly organised by EuChemS and the European Federation of Medicinal Chemistry (EFMC).

More information is available online: [www.euchems.eu/parkinsons-disease-causes-and-cures-workshop/](http://www.euchems.eu/parkinsons-disease-causes-and-cures-workshop/)



## Industrial trans fats in foods

The issue of industrial trans fats in foods surfaced at the European level in 2018, first in February when a European Commission Public Consultation on the initiative to limit industrial trans fats intakes in the EU was published. EuChemS called for extending the nutrition declaration to include trans fatty acids, as well as for harmonising the current different national recommendations ([www.euchems.eu/wp-content/uploads/2018/02/Contribution04dc1c46-85df-461a-8459-e4238e552623.pdf](http://www.euchems.eu/wp-content/uploads/2018/02/Contribution04dc1c46-85df-461a-8459-e4238e552623.pdf)). In November 2018, EuChemS responded to another European Commission call for feedback on setting a legal limit for industrial trans fats in foods. The response, prepared by the EuChemS Division of Food Chemistry, agrees that the limit for industrial trans fats in foods, which are intended for the final consumer should not exceed 2 grams per 100 grams of fat ([www.euchems.eu/wp-content/uploads/2018/11/EuChemS-response-TFAs-EU-2018.pdf](http://www.euchems.eu/wp-content/uploads/2018/11/EuChemS-response-TFAs-EU-2018.pdf)).

### Communicating scientific uncertainty - EuChemS answers call for feedback

EuChemS responded to the public consultation on the European Food Safety Agency’s (EFSA) draft ‘Guidance on Communication of Uncertainty in Scientific Assessments’. The document is intended to provide guidance tools on how to best communicate ‘uncertainty’ from uncertainty analyses in scientific assessments. We highlighted the need to make a clearer distinction regarding measurement uncertainty (associated with scientific processes) and uncertainty caused by other sources (such as through government actions (or lack of actions)). We also encouraged EFSA to align their terminology with existing international terminology ([www.euchems.eu/wp-content/uploads/2018/06/EFSA\\_EuChemS\\_response.pdf](http://www.euchems.eu/wp-content/uploads/2018/06/EFSA_EuChemS_response.pdf)).

## ENVIRONMENT, ENERGY & THE CIRCULAR ECONOMY

### Direction Yokohama and Jakarta

EuChemS was very pleased to once more participate in the Circular Economy Missions organised by the European Commission Directorate-General for Environment. From 20-27 October 2018, the EU delegation, made up of over 50 representatives of European companies, associations, foundations, government organisations, and research centres, made their way to Japan and Indonesia. The Missions aimed at extending and deepening the dialogue on the circular economy, expanding and sharing legislation, as well as spreading best practices. EuChemS Executive Board member Nicola Armadori was on site as EuChemS representative. For more details, you can read the [European Commission report here](#)




**EDUCATION**
**Automatic Recognition of Diplomas  
- EuChemS responds to public  
consultation**

EuChemS responded to the European Commission's call for feedback on its 'Roadmap for Promoting the Automatic Mutual Recognition of Diplomas and Study Periods Abroad'. EuChemS pointed out the EurChem designation which helps promote mobility of chemical students throughout Europe, as a successful and widely applicable method ([www.bit.ly/2qJsmlt](http://www.bit.ly/2qJsmlt)).

**UNESCO Recommendation on Open  
Educational Resources**

EuChemS also provided feedback to the UNESCO draft recommendation text on Open Educational Resources (OER). With the input from the Division of Chemical Education, EuChemS expressed satisfaction with the overall text but identified one important missing aspect: the role of educational researchers ([www.bit.ly/2lYJ60a](http://www.bit.ly/2lYJ60a)).


**HISTORY AND  
CULTURAL HERITAGE**
**EU Heritage Label Action - EuChemS  
responds to public consultation**

With input from the Working Party on Chemistry for Cultural Heritage and the Working Party on the History of Chemistry, EuChemS provided feedback to the European Commission's public consultation on the evaluation of the EU Heritage Label Action. We welcomed the Label, but pointed out that not enough focus was put on the role of science and chemistry – both in the European construction project and its central place in general European history, as well as in its active role in conserving and protecting European heritage sites today ([www.bit.ly/2x-6Hekt](http://www.bit.ly/2x-6Hekt)).


**CHEMICALS AND  
CHEMICAL SAFETY**
**EuChemS issues statement on the use  
of Chemical Weapons in Syria**

Following indications of chemical weapons having been used once more in April 2018 in the Syrian conflict, EuChemS issued a statement deploring the use of any and all chemical weapons. The statement reinforces the commitment to the declaration issued in Seville in 2016. The Seville declaration was signed by 36 Presidents of Chemical Societies from across Europe. [www.euchems.eu/seville-international-chemistry-declaration-2016](http://www.euchems.eu/seville-international-chemistry-declaration-2016)

**Marketing and use of explosives  
precursors - EuChemS answers public  
consultation**

In February 2018, EuChemS submitted an answer to the European Commission's Open Public Consultation in view of a possible revision of Regulation (EU) No 98/2013 on the marketing and use of explosives precursors. EuChemS asserted that storage of explosives precursor substances, their means of transportation, intra-EU movement, internet sales, as well as the existence of nonregulated, but potentially dangerous precursor substances freely available on the market, pose serious security concerns. Subsequently, EuChemS supports the view to ban in all Member States the acquisition, possession and use of restricted explosives precursors by members of the general public ([www.euchems.eu/wp-content/uploads/2018/02/Contribution7321129f-bdc7-4761-8909-0ce6bb12d5bb.pdf](http://www.euchems.eu/wp-content/uploads/2018/02/Contribution7321129f-bdc7-4761-8909-0ce6bb12d5bb.pdf))



# FOSTERING EUROPEAN CHEMISTRY

## EUCHEMS UNVEILS NEW PERIODIC TABLE

The smartphone you may be using right now to read this article is made up of some 30 elements – over half of which may give cause for concern in the years to come because of increasing scarcity.

“ With some 10 million smartphones being discarded or replaced every month in the European Union alone, we need to carefully look at our tendencies to waste and improperly recycle such items ”

Many of the natural elements that make up the world around us may run out – whether because of limited supplies, their location in conflict areas, excessive costs to search, extract or use them, or our incapacity to fully recycle

them. The elements used in our phones may be broken down to such an extent that recycling them becomes impossible.

2019 has been declared the International Year of the Periodic Table (IYPT2019) and so we hope that this unique and thought-provoking Periodic Table will lead to reflection and ultimately action.

The Table can be downloaded online for free: [www.euchems.eu/euchems-periodic-table](http://www.euchems.eu/euchems-periodic-table)

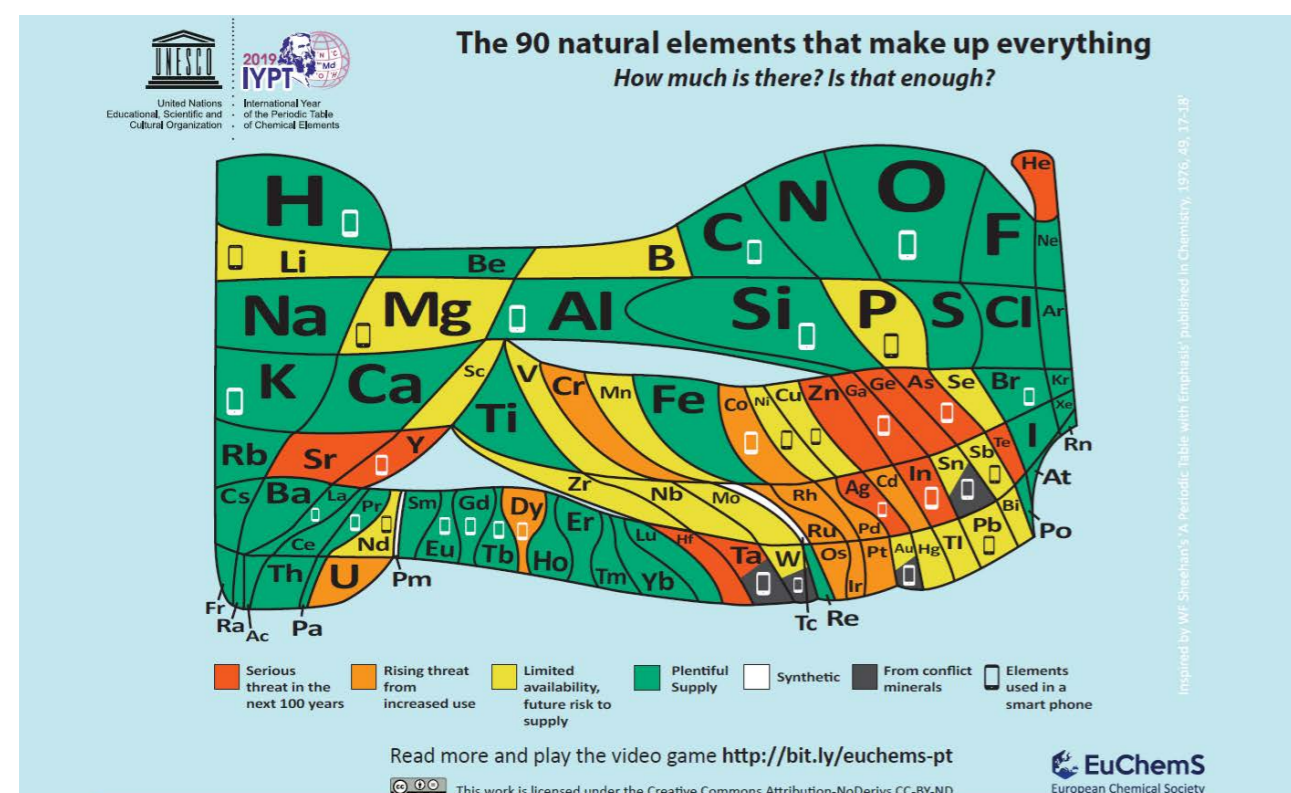
Element scarcity knows no borders and so we have made the Table available in some 20 other languages so far! These are downloadable on the EuChemS website: [www.euchems.eu/euchems-periodic-table](http://www.euchems.eu/euchems-periodic-table)

Look out for an exciting new video game about the Periodic Table, available online at: [www.bit.ly/euchems-pt](http://www.bit.ly/euchems-pt) where more information about the Periodic Table can be found.

## FIRST REPORT OF THE 2<sup>ND</sup> EMPLOYMENT SURVEY FOR EUROPEAN CHEMISTS (ESEC2) PUBLISHED

The [report of the 2<sup>nd</sup> Employment Survey for European Chemists \(ESEC2\)](#) was published in November 2018 in *Chemistry - A European Journal*. The report, which analysed data received in 2017, from a total of 2754 chemists and chemical engineers, delves into the employment conditions and career opportunities for chemists in Europe.

The figures take a look at a variety of aspects, including education levels, career planning, job satisfaction, employment sectors and salaries. The conditions and opportunities are individually analysed for all countries with a statistically significant number of responses. The results in turn provide important clues for careers in these countries, and in Europe as a whole. This is the first general evaluation of the survey and provides many details about the chemistry workforce in Europe and its development. The ESEC2 is based on the experience of the [first European employment survey \(ESEC1\)](#) which was carried out in 2013, although both the questionnaire and the technology have been much reworked.





## EUCHEMS LAUNCHES ONLINE COURSE ON CHEMISTRY & ETHICS

The teaching of research ethics and science ethics as part of a Chemistry-focused curriculum at university is far from mandatory or available in much of Europe (and the world) despite a growing demand for such educational material. Through the work of a EuChemS task force consisting of members of the EuChemS Division of Chemical Education, the EuChemS Working Party on Ethics in Chemistry, and the European Chemistry Thematic Network (ECTN), a course entitled “Good Chemistry – Methodological, Ethical, and Social Dimensions” has been conceptualised and realised. The course is undergoing a pilot testing phase until February 2019.

“ The course aims to address good scientific practice (or scientific misconduct), as well as societal and environmental issues, dual-use problems, sustainability, and science communication. ”

The overall objective is to contribute to a more “complete” education of young researchers and scientists as important enactors of progress and influential decision-makers in the future of academia, in industry, and in public service. It aims to provide them with the skills to reflect on and deal with the major contemporary challenges in society and the environment with a higher degree of sustainability. The course, which consists of 16 classes covering various aspects of research methodology, research ethics and social/environmental impact of chemical activity is also punctuated by historical or fictional chemistry-related scenarios.

1	Introduction
2	Scientific Inquiry
3	The Scientific Method(s)
4	Scientific Practice
5	Scientific Misconduct
6	Scientific publishing
7	Collaboration, Conflicts of Interest, Mentorship
8	Academic Freedom, Intellectual Property
9	Animal Experiments
10	Sustainability
11	Science and values
12	Responsibility
13	Risk, Uncertainty, Precaution
14	Science Governance, Technology Assessment
15	Science Communication
16	Course Summary (example: Nanoscience)

- Research Methodology
- Good Scientific Practice
- Chemistry and Society



## EUCHEMS & AMERICAN CHEMICAL SOCIETY MoU

EuChemS and the American Chemical Society (ACS) signed a Memorandum of Understanding (MoU) in 2016, in which both societies agreed to work together to “promote the ethical use of chemistry” and to “collaborate for the good of the chemical enterprise, of their members, and of the subject of chemistry” in areas such as events, surveys, lobbying, ethics and safety, global challenges, exchange programmes and more. The 7<sup>th</sup> EuChemS Chemistry Congress enabled representatives from EuChemS and the ACS to evaluate and discuss how the cooperation agreement was performing and what future projects could be worked on together during a constructive and productive meeting.

## SCIENCE COMMUNICATION



The success of initiatives, events and advocacy, whether linked to policy issues or other overarching topics are increasingly linked to communications. It has become clear that communication needs to become an integral part of EuChemS' and its community's work. From a 'nice to have' feature, communications are playing a vital part in relaying our message to ever larger audiences.

“ But communicating for the sake of communicating is not enough either. ”

And the challenges we are facing in Europe – notably hostile feelings towards ‘experts’, growing distrust of medical practices such as the use of vaccines, or the blatant disregard for scientific evidence in public and political discourse – only demonstrate the need to carefully reflect on how we communicate our messages.

The theme of science communication and science for policy, and the best ways to reconcile these was a major focus at the European Science Open Forum (ESOF) held in Toulouse in July 2018 which EuChemS was able to attend and to successfully submit a poster for. High level policymakers, scientists and civil society representatives debated the hot-topics, whilst informal networks of science communicators met backstage to discuss and share their ideas and tips and tricks for more effectively sharing scientific research, innovations and knowledge to policymakers and citizens.

This year, EuChemS has ramped up its communications strategy, moving forward to more broadly disseminate its messages and connect with its community. In April 2018, EuChemS launched a new LinkedIn page, which garnered some 200 followers since. More activity on Twitter and Facebook have also enabled us to communicate further and more effectively, with both channels having passed the 2000 follower threshold this year.

Along with our new name, acronym, and logo, EuChemS has refreshed its look and feel across social media channels, its website and its publications. Testament to this is this 2018 Year Book. EuChemS has also reworked its monthly newsletter, Brussels News Updates. All content is now written in house and aims to better communicate the latest developments taking shape on the policy level and which will have a direct impact on the chemical sciences.

To subscribe to our newsletters, Brussels News Updates and the quarterly Chemistry in Europe, click on the link here:

[www.euchems.eu/newsletters](http://www.euchems.eu/newsletters)

Make sure to connect with us on [Twitter](#), [Facebook](#) and [LinkedIn](#) and join the conversation!



@EuChemS

**Alex Schiphorst**

Science Communication & Policy Officer

## AWARDS

### EUROPEAN CHEMISTRY GOLD MEDAL

The first European Chemistry Gold Medal was awarded to Professor Bernard L. Feringa, Nobel Prize winner for Chemistry in 2016, at the 7<sup>th</sup> EuChemS Chemistry Congress in Liverpool, UK. The ceremony took place during the opening session and was presented by Herman Overkleeft, Chair of the International Award Committee for the European Chemistry Gold Medal (IACM). The Award aims to recognise the exceptional achievements of one scientist working in the field of Chemistry in Europe.



### EUCYS EUCHEMS AWARD 2018

The EU Contest for Young Scientists aims to give students the opportunity to compete with their contemporaries at the European level, meet their peers with similar abilities and interests, and receive guidance from prominent scientists in Europe. The contest is an initiative of the European Commission. EuChemS provides a prize for the best chemistry entry in the EU Young Scientists Contest.

Leandra Zinke, Katarina Juhart, and Sofia



Quitter were the 2018 project winners for their project on Anti-Bacterial Silver nanoparticle Coating. The award was presented during the 30<sup>th</sup> edition of the competition in Dublin, Ireland, between 14 and 19 September 2018.



### EUCHEMS LECTURE AWARD

Every year, the major achievements of a junior scientist working in chemistry in a country with a EuChemS Member organisation is rewarded. The 2017 EuChemS Lecture Award was awarded to Doctor Anna Laura Capriotti, Associate Professor in the Chemistry department of the University of Rome "Sapienza". As part of the Lecture Award, Anna Laura will give a lecture at the XX Euroanalysis event in Istanbul in September 2019. Nominations are reviewed by the International Award Committee for the EuChemS Lecture Award, which in turn recommends the Executive Board on the award decision.

### EUCHEMS AWARD FOR SERVICE

The EuChemS Award for Service acknowledges outstanding commitment to fostering and promoting Chemistry and the molecular sciences in

Europe and the goals of EuChemS. In recognition of their outstanding commitment, hard work, passion and enthusiasm in supporting, sharing and encouraging EuChemS' activities, the 2018 EuChemS Award for Service was awarded to Francesco De Angelis, Sergio Facchetti, and Reiner Salzer. The award was presented at the Opening Session of the 7<sup>th</sup> EuChemS Chemistry Congress in Liverpool, UK by EuChemS President Pilar Goya.



### EUROPEAN YOUNG CHEMIST AWARD

The European Young Chemist Award (EYCA), supported by the Italian Chemical Society and the Italian National Federation of Chartered Chemists and Physicists (FNCF), and given every two years during the EuChemS Chemistry Congresses, intends to showcase and recognise the excellent research being carried out by young scientists working in the chemical sciences. The award covers two categories: PhD level, and the 35-year-old level. The winners of the EYCA2018 PhD level award were Tim Gatzmeier (Gold medal, Max Planck Institut für Kohlenforschung, Germany), Lichen Liu (Silver medal; Valencia University, Spain) and Clément Larquet (Silver medal; Sorbonne University, France). The winners of the 35-year-old level were Alessandro Porchetta (Gold medal, University of Rome Tor Vergata, Italy), Matteo Atzori (Silver medal, University of Florence, Italy) and Simone Fabiano (Silver medal, Linköping University, Sweden). A special mention was also given to Erica Del Grosso (University of Rome Tor Vergata, Rome).



### EUCHEMS HISTORICAL LANDMARKS AWARDS

Chemistry is an integral part of Europe's shared cultural heritage. To better showcase this often-overlooked aspect of our history, EuChemS launched the Historical Landmarks Award, which will celebrate historical landmarks which have displayed a fundamental role in the development of chemistry at a European-wide level, or at the national or local level.



Following the recommendations of the Landmark Selection Committee chaired by Brigitte Van Tiggelen, and the decision of the EuChemS Executive Board, two awards have been presented:

For the Historical Landmark Award at the European level, the Ytterby Mine, in Sweden, was chosen in recognition of the role it played in the history of chemistry and European sense of belonging between people and ideas. The Ytterby Mine and the important chemical discoveries that were tied to it (a number of elements were discovered at the mine, including: yttrium, erbium, terbium, ytterbium as well as scandium, gadolinium, dysprosium, holmium, thulium, and lutetium). The site successfully exemplifies the way chemistry became a part of the general cultural heritage and history of Nordic, but also all European citizens.

At the Regional level, the award was given to the industrial complex of ABEA in Crete for its part in fostering a deep link between chemistry and local cultural heritage. ABEA and the important chemical discoveries that were tied to it demonstrate the manner in which chemistry became an integral part of the regional cultural heritage, history and economic development of Crete.

## EUROPEAN SUSTAINABLE CHEMISTRY AWARD

The EuChemS Division of Green and Sustainable Chemistry, and the EuChemS Division of Chemistry and the Environment recognise the achievements of individual scientists and teams through the European Sustainable Chemistry Award (ESCA), an award which aims to raise the profile of sustainable chemistry and be a spur to innovation and competitiveness. This year, the ESCA was awarded to Professor Paul Dyson at the 7th EuChemS Chemistry Congress in Liverpool, UK.



Prof Paul Dyson with Prof Nicholas Gathergood (Chair, DGSC) and Prof. Ivana Ivancev-Tumbas (DCE) ©MPP/Royal Society of Chemistry

## DIVISION OF ANALYTICAL CHEMISTRY TRIBUTE

A EuChemS Division of Analytical Chemistry "Tribute" is presented to honour a person of outstanding merits and long-lasting valuable services for the Division. In 2018, the Tribute was awarded to Professor Paul Worsfold.



# EVENTS



## 7<sup>TH</sup> EUROPEAN CHEMISTRY CONGRESS 2018

The 7<sup>th</sup> EuChemS Chemistry Congress, hosted in the UK city of Liverpool by the Royal Society of Chemistry welcomed more than 1,500 delegates from some 60 countries. The five-day programme counted eight plenary lectures and more than 450 talks from an outstanding line-up of speakers under the theme of "Molecular frontiers and global challenges".

In her opening speech, EuChemS President Pilar Goya thanked all those that had helped organise the Congress, as well as organising committees, chaired by Bengt Norden and Tom Brown. Pilar also congratulated the many EuChemS Member Organisations that were celebrating 100-, 125- and 150-year anniversaries. Following the European Gold Medal award ceremony, awardee Bernard Feringa gave an inspiring plenary talk, highlighting the crucial importance and potential of molecular motors.

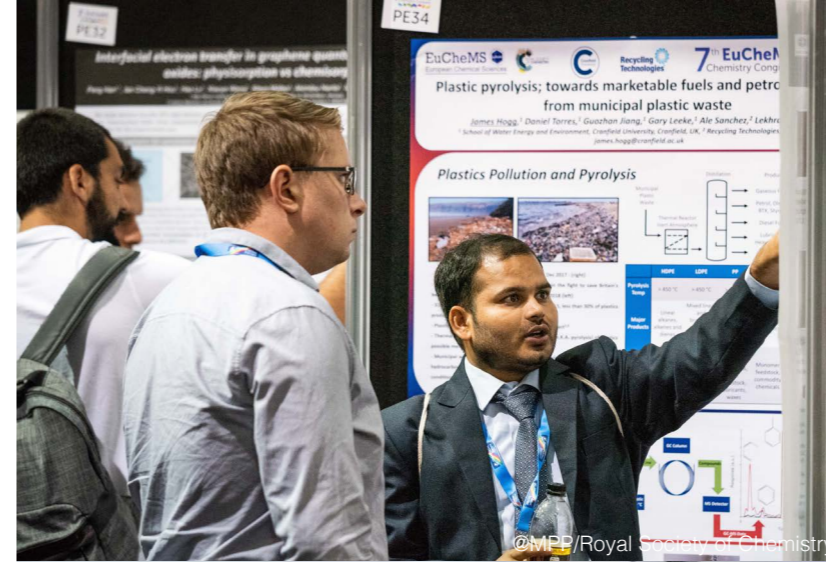
The Congress was a truly international event and one that also aimed to inspire young chemists. Workshops and sessions organised by the European Young Chemists' Network (EYCN) provided unique opportunities to better prepare for the future and a platform to exchange ideas and experiences.

It was moreover particularly encouraging to see young researchers, early-career chemists, and students demonstrate their passion for

their work through the poster sessions and the many discussions and networking opportunities between themselves and senior members of the community.

Throughout the week, we were treated to a fantastic set of talks and plenaries, from materials chemistry to homogenous catalysis, from chemistry and historical landmarks to science communication. The congress also included a rich ancillary programme, with a dedicated talk on science communication and how to communicate chemistry to policymakers - an example of the growing importance for preparing scientists to explain their work to politicians and to the public. We were also very pleased to have Frances Arnold as plenary speaker, who shortly after the Liverpool congress received the Nobel Prize, just the fifth woman to receive the prize. The event was made all the more remarkable by an impressive performance of the Bootleg Beatles, and the equally impressive sight of hundreds of chemists rockin 'n' rollin!

We extend our greatest thanks the Royal Society of Chemistry as well as all organisers, sponsors, supporters and participants for having made the 7<sup>th</sup> EuChemS Chemistry Congress such a success. The next congress will be held in Lisbon, Portugal from 30 August to 3 September 2020.





## ABCCHEM 2018

Over 200 people attended the first Atlantic Basin Conference in Chemistry, ABCChem, in the delightful Caribbean resort of Cancun Mexico in January 2018. The sponsoring Societies were the American, Brazilian, European and Mexican Chemical Societies together with the Chemical Society of Canada. Supporting organisations were the Federation of Chemical Societies of Africa, the South African Chemical Institute and the Federation of Latin American Chemical Societies.

Almost everyone was housed in the Iberostar hotel making for a conference where chemists from all disciplines could meet and talk to one another both during the formal sessions and in their own time. These informal discussions between chemists at different levels of development were an especially positive aspect of the conference.

The programme was developed in parallel themes containing Plenary, invited and supporting lecturers. An equal balance of speakers from the different sponsoring and

supporting regions ensured that all communities were represented across all areas of chemistry. In addition, the EYCN collaborated with the American Chemical Society (ACS) and others to construct a very important programme for young people which ran in parallel with the other sessions. The meeting was greatly enhanced by the presence of 50 students from the local area who were funded by the ACS.

Overall, the conference ran very smoothly, and new relationships were initiated amongst people who would never otherwise have met. It was agreed that a second ABCChem would be held after 4 or 6 years. Discussions are currently in progress to determine where it should be held.

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**David Cole-Hamilton**

*Vice-President*

## EUCHEMS RECOGNISED EVENTS

EuChemS offers an official recognition scheme to its member societies, Professional Networks, and to non-member organisations. This allows high-quality events and conferences to be widely shared with our networks across Europe. Since 2013, EuChemS has recognised over 150 events.

Visit [www.euchems.eu/events-overview/apply-for-recognition-of-event](http://www.euchems.eu/events-overview/apply-for-recognition-of-event) for more information.



### Events in 2018

[ABCChem - Atlantic Basin Conference on Chemistry](#)

**23/01/2018 - 26/01/2018 • Cancún, Mexico**

[European Winter School on Physical Organic Chemistry \(WISPOC 2018\)](#)

**28/01/2018 - 02/02/2018 • Bressanone, Italy**

[16<sup>th</sup> Iberian Peptide Meeting \(16EPI\) / 4<sup>th</sup> Chemical Biology Group Meeting \(4GEQB\)](#)

**05/02/2018 - 07/02/2018 • Barcelona, Spain**

[ChemCYS 2018 - 14<sup>th</sup> Chemistry Conference for Young Scientists](#)

**21/02/2018 - 23/02/2018 • Blankenberge, Belgium**

[EuChemS Executive Board Meeting](#)

**27/02/2018 - 28/02/2018 • Berlin, Germany**

[Belgian Peptide Group Meeting \(BPGM\)](#)

**28/02/2018 - 01/03/2018 • Brussels, Belgium**

[International School of Process Chemistry \(ISPROCHEM\)](#)

**08/04/2018 - 11/04/2018 • Gargnano, Italy**

[analytica conference 2018](#)

**10/04/2018 - 12/04/2018 • Munich, Germany**

[XXIII Meeting of the Portuguese Society of Electrochemistry \(SPE2018\)](#)

**02/05/2018 - 04/05/2018 • Porto, Portugal**

[Bunsentagung 2018 - 117<sup>th</sup> General Assembly of the German Bunsen Society for Physical Chemistry](#)

**10/05/2018 - 12/05/2018 • Hannover, Germany**

[SETAC 2018: Informed substitution of hazardous chemicals](#)

**15/05/2018 • Rome, Italy**

[11<sup>th</sup> International Conference on Chemical Structures \(ICCS2018\)](#)

**27/05/2018 - 31/05/2018 • Noordwijkerhout, Netherlands**

[IIS Prague 2018 - 13<sup>th</sup> International Symposium on the Synthesis and Applications of Isotopes and Isotopically Labelled Compounds](#)

**04/06/2018 - 07/06/2018 • Prague, Czech Republic**

[XI International School on Organometallic Chemistry "Marcial Moreno Mañas"](#)

**06/06/2018 - 08/06/2018 • Oviedo, Spain**

["Attilio Corbella" International Summer School on Organic Synthesis \(ISOS 2018\)](#)

**10/06/2018 - 14/06/2018 • Gargnano (BS), Italy**

[1<sup>st</sup> National Meeting of the Swedish Chemical Society \(SCS2018\)](#)

**17/06/2018 - 20/06/2018 • Lund, Sweden**

[The International Symposium on Inorganic and Environmental Materials 2018 \(ISIEM2018\)](#)

**17/06/2018 - 21/06/2018 • Ghent, Belgium**

[XVI Meeting of the Interdivisional Group of Carbohydrate Chemistry \(GICC\) of the Italian Society of Chemistry](#)  
17/06/2018 - 20/06/2018 • Castelnovo Berardenga, Italy

[SCF18 - 2018 Congress of the Société Chimique de France](#)  
30/06/2018 - 04/07/2018 • Montpellier, France

[5<sup>th</sup> International Congress on Chemistry for Cultural Heritage \(ChemCH 2018\)](#)  
03/07/2018 - 08/07/2018 • Bucharest, Romania

[EuChemS Executive Board Meeting](#)  
24/08/2018 - 25/08/2018 • Liverpool, United Kingdom

[22 International Mass Spectrometry Conference \(22 IMSC2018\)](#)  
26/08/2018 - 31/08/2018 • Florence, Italy

[ECC7 - 7<sup>th</sup> EuChemS Chemistry Congress](#)  
26/08/2018 - 30/08/2018 • Liverpool, United Kingdom

[European Conference on Research in Chemical Education \(ECRICE\)](#)  
02/09/2018 - 06/09/2018 • Warsaw, Poland

[25<sup>th</sup> International Conference on High Resolution Molecular Spectroscopy - Bilbao 2018](#)  
03/09/2018 - 07/09/2018 • Bilbao, Spain

[N-Ligands2018 - 7<sup>th</sup> EuChemS Conference on Nitrogen-Ligands](#)  
04/09/2018 - 07/09/2018 • Lisbon, Portugal

[Advanced Inorganic Materials Green and Unconventional Synthesis Approaches and Functional Assessment \(AIM 2018\)](#)  
05/09/2018 - 07/09/2018 • Padova, Italy

[24<sup>th</sup> Conference on Isoprenoids](#)  
09/09/2018 - 12/09/2018 • Bialystok, Poland

[22-ICOS - 22 International Conference on Organic Synthesis](#)  
16/09/2018 - 21/09/2018 • Florence, Italy

[17<sup>th</sup> Ružička days "Today Science - Tomorrow Industry"](#)  
19/09/2018 - 21/09/2018 • Vukovar, Croatia

[25<sup>th</sup> Congress of the Society of Chemists and Technologists of Macedonia](#)  
19/09/2018 - 22/09/2018 • Ohrid, Macedonia

[XII Italian Food Chemistry Congress \(CHIMALLI 2018\)](#)  
24/09/2018 - 27/09/2018 • Camerino, Italy

[27<sup>th</sup> EuChemS Conference on Molten Salts and Ionic Liquids \(EuChemSIL2018\)](#)  
07/10/2018 - 12/10/2018 • Lisbon, Portugal

[East-West Chemistry Conference 2018 \(EWCC2018\)](#)  
10/10/2018 - 12/10/2018 • Lviv, Ukraine

[NEXT 2018 - 18<sup>o</sup> Congresso Nazionale dei Chimici](#)  
12/10/2018 - 13/10/2018 • Bologna, Italy

[MicrobiotaMi 2018](#)  
05/11/2018 - 07/11/2018 • Milan, Italy

[14<sup>o</sup> Encontro de Química dos Alimentos \(XIV EQA\)](#)  
06/11/2018 - 09/11/2018 • Viana do Castelo, Portugal

[14th International Conference on Polysaccharides-Glycoscience \(14th ICPG\)](#)  
07/11/2018 - 09/11/2018 • Prague, Czech Republic

[EuChemS/EFMC/European Parliament Policy Workshop – Parkinson's disease: Causes and cures](#)  
08/11/2018 - 09/11/2018 • Brussels, Belgium

## Upcoming events

[The Periodic Table and us: its history, meaning, and element scarcity](#)  
22/01/2019 • Brussels, Belgium

[Setting their Table: Women and the Periodic Table of Elements](#)  
11/02/2019 - 12/02/2019 • Murcia, Spain

[EuChemS Executive Board Meeting](#)  
18/02/2019 - 19/02/2019 • Lisbon, Portugal

[1<sup>st</sup> GHI World Congress on Food Safety and Security \(GHI2019\)](#)  
24/03/2019 - 28/03/2019 • Leiden, Netherlands

[14<sup>th</sup> International Symposium on Macrocyclic and Supramolecular Chemistry \(ISMCS2019\)](#)  
02/06/2019 - 06/06/2019 • Lecce, Italy

[EuChemS Executive Board Meeting](#)  
13/06/2019 - 14/06/2019 • Brussels, Belgium

[17<sup>th</sup> International Conference On Chemistry And The Environment - ICCE2019](#)  
16/06/2019 - 20/06/2019 • Thessaloniki, Greece

[1<sup>st</sup> International Meeting on Deep Eutectic Systems](#)  
24/06/2019 - 27/06/2019 • Lisbon, Portugal

[International Summer School on Natural Products \(ISSNP\)](#)  
01/07/2019 - 05/07/2019 • Naples, Italy

[6<sup>th</sup> International Conference on the Chemistry and Physics of the Transactinide Elements \(TAN 19\)](#)  
25/08/2019 - 30/08/2019 • Wilhelmshaven, Germany

[XX Euroanalysis 2019](#)  
01/09/2019 - 05/09/2019 • Istanbul, Turkey

[GDCh-Wissenschaftsforum Chemie 2019 \(WiFo 2019\)](#)  
15/09/2019 - 18/09/2019 • Aachen, Germany

[Hot Topics in Contemporary Crystallography 4](#)  
01/10/2019 - 06/10/2019 • Dubrovnik, Croatia

[EuChemS Executive Board Meeting](#)  
02/10/2019 - 03/10/2019 • Bucharest, Romania

[EuChemS General Assembly 2019](#)  
03/10/2019 - 05/10/2019 • Bucharest, Romania

[EuChemS Chairs of Professional Networks meeting](#)  
04/10/2019 • Bucharest, Romania

[ECC8 - 8<sup>th</sup> EuChemS Chemistry Congress](#)  
30/08/2020 - 03/09/2020 • Lisbon, Portugal

[25th Conference on Isoprenoids](#)  
09/09/2020 - 11/09/2020 • Karaganda, Kazakhstan

For an updated calendar, visit:  
[www.euchems.eu/events-overview/eu-chems-events-calendar](http://www.euchems.eu/events-overview/eu-chems-events-calendar)

In light of the International Year of the Periodic Table of elements (IYPT2019), EuChemS now also offers the possibility of submitting IYPT-related events for recognition and greater visibility. Visit:  
[www.euchems.eu/iypt2019-event-submission-form](http://www.euchems.eu/iypt2019-event-submission-form)  
for more information.



# PROFESSIONAL NETWORKS

EuChemS Professional Networks are platforms in their own fields of expertise and promote collaboration with other European and international organisations. The Professional Networks organise high-quality scientific conferences in chemical and molecular sciences and interdisciplinary areas and contribute to EuChemS policy inputs. With 18 Divisions and Working Parties, as well as with the European Young Chemists' Network, EuChemS is able to provide networking opportunities for chemists and researchers from across Europe, and from across fields of expertise.



Chair:  
**Slavica Ražić**

## Division of Analytical Chemistry

The EuChemS Division of Analytical Chemistry is a network of chemical societies and their members working in all fields of analytical science which endeavours to give a voice to the interdisciplinary field of analytical sciences and develop links with related institutions across the world. In 2018, the Division produced a "End-of-the-year letter" as well as a Strategy for 2018-2020, which includes pointers such as developing the profile of Analytical Chemistry, enhancing the activities of Study Groups and Task Forces, as well as the organisation and promotion of upcoming conferences.

[www.euchems.eu/divisions/analytical-chemistry](http://www.euchems.eu/divisions/analytical-chemistry)



Chair:  
**Iwona Maciejowska**

## Division of Chemical Education

The EuChemS Division of Chemical Education aims to look for and develop new activities to promote chemical education research and practices in Europe, as well as improve dissemination of information between countries. The Division runs biannual conferences: ECRICE and EuroVariety to achieve such goals. In 2018, the Division developed in cooperation with the European Chemistry Thematic Network (ECTN) a Quality Mark for Pre-Service Teacher Training, and in cooperation with the Working Party on Ethics in Chemistry, helped develop and implement the online course "Good Chemistry – Methodological, Ethical and Social Dimensions".

[www.euchems.eu/divisions/chemical-education-2](http://www.euchems.eu/divisions/chemical-education-2)



Chair:  
**Ioannis Katsogiannis**

## Division of Chemistry and the Environment

The overall aim of the EuChemS Division of Chemistry and the Environment is to promote and support cooperation in the area of chemistry and the environment, identify important areas in science, technology and other human activities relevant to the subject, and to address aspects which need regulation, harmonisation, standardisation or codification, and to make recommendations as appropriate. The Division met twice in 2018 and is working on preparations for its upcoming Divisional Congress.

[www.euchems.eu/divisions/chemistry-and-the-environment-2](http://www.euchems.eu/divisions/chemistry-and-the-environment-2)



Chair:  
**Sonsoles Martín-Santamaría**

## Division of Chemistry in Life Sciences

The general aim of the EuChemS Division of Chemistry in Life Sciences, is to promote active collaborations, maintain effective communication, and disseminate knowledge among chemists in Europe working in the broad area of chemistry for life sciences. The Division promotes scientific activities, conferences and networking opportunities for a subject at the frontier of chemistry, biology and biomedicine.

[www.euchems.eu/divisions/chemistry-in-life-sciences-2](http://www.euchems.eu/divisions/chemistry-in-life-sciences-2)



Chair:  
**Péter Szalay**

## Division of Computational and Theoretical Chemistry

The Division of Computational and Theoretical Chemistry endeavours to demonstrate the pervasive nature of computer science and technologies to enhance research and education in chemistry, molecular, and materials sciences. The Division promotes the development of virtual research and education communities, and fosters collaborative activities between theoreticians and experimentalists, academic and professors, teachers and students.

[www.euchems.eu/divisions/computational-chemistry-2](http://www.euchems.eu/divisions/computational-chemistry-2)





### Division of Food Chemistry

The EuChemS Division of Food Chemistry aims to represent food sectors of national chemical societies at the European level, and to promote and harmonise teaching of food chemistry within food science across Europe – notably through conferences, technical roundtables, advanced schools and training activities. The Division also aims to actively participate in the policy debate and regularly submits feedback through EuChemS to European decision-makers. Advanced research in food composition, food authenticity, impact of technologies/processing, chemical/biochemical modifications in foods, additives and contaminants are the main fields of interest of the Division.

Chair:  
**Marco Arlorio**

[www.euchems.eu/divisions/food-chemistry-2](http://www.euchems.eu/divisions/food-chemistry-2)



### Division of Green and Sustainable Chemistry

The EuChemS Division of Green and Sustainable Chemistry aims at becoming the key forum for discussion and promotion of any initiatives at the scientific, technical and political level to advocate the leading role of chemistry in contemporary green research. The main objective is to organise conferences and workshops and on the design and application of chemical tools to reduce or eliminate the use of hazardous substances.

Chair:  
**Nicholas Gathergood**

[www.euchems.eu/divisions/green-and-sustainable-chemistry-2](http://www.euchems.eu/divisions/green-and-sustainable-chemistry-2)



### Division of Inorganic Chemistry

The EuChemS Division of Inorganic Chemistry provides a forum for the interdisciplinary field of inorganic chemistry and its applications. The Division promotes the dissemination of inorganic chemistry through its biennial conference as well as dedicated initiatives and activities. It also supports high level education through specialised schools and the production of dedicated books and other publications.

Chair:  
**Anna Trzeciak**

[www.euchems.eu/divisions/inorganic-chemistry](http://www.euchems.eu/divisions/inorganic-chemistry)



### Division of Nuclear and Radiochemistry

The EuChemS Division of Nuclear and Radiochemistry provides a platform for a network of scientists working in nuclear and radiochemistry across Europe to share ideas and cooperate on concrete projects. Cooperation with relevant supranational bodies such as IUPAC and IAEA, as well as with journals and newsletters provides a broad network reaching outside of Europe too. The main objective of the Division is to contribute to the advancement of nuclear and radiochemistry in Europe, and to harmonise education and training on the subject in Europe. The Division also organises biennial radiochemical conferences to further foster discussions and networking opportunities.

Chair:  
**Jon Petter Omtvedt**

[www.euchems.eu/divisions/nuclear-and-radiochemistry-2](http://www.euchems.eu/divisions/nuclear-and-radiochemistry-2)



Chair:  
**Véronique Gouverneur**  
(until 31/08/2018)



Chair:  
**Gianluca Farinola**  
(from 01/09/2018)

### Division of Organic Chemistry

The EuChemS Division of Organic Chemistry pro-actively organises and participates at various levels of numerous satellite symposia, conferences and schools. The Division's hallmark activity is the creation of the Young Investigator's Workshop (YIW) to further promote and recognise academic excellence in organic chemistry within (and outside) Europe. In 2018, agreements were finalised with the American Chemical Society and the Canadian Chemical Society to support greater exchanges for the YIW. Further bilateral agreements with other societies worldwide are planned.

[www.euchems.eu/divisions/organic-chemistry-2](http://www.euchems.eu/divisions/organic-chemistry-2)



Chair:  
**Jan Čermák**

### Division of Organometallic Chemistry

The EuChemS Division of Organometallic Chemistry acts as an active, trusted and sustainable voice for all matters relating to the large and interdisciplinary field of fundamental and applied organometallic chemistry. The Division provides and coordinates activities such as congresses, schools and workshops for students and researchers. The Division also continues to present the European Prize for Organometallic Chemistry with calls for nominations announced at the end of 2018.

[www.euchems.eu/divisions/organometallic-chemistry-2](http://www.euchems.eu/divisions/organometallic-chemistry-2)



Chair:  
**Wolfgang  
Kautek**

### Division of Physical Chemistry

The EuChemS Division of Physical Chemistry aims to strengthen the interaction of physical chemists throughout Europe. It strongly supports focused scientific meetings and aims to increase the networking and communication among its active members. Through specialised conferences and workshops, the Division endeavours to integrate and coordinate scientific activities with national and international actors. The Division also provides quality assurance support of physical chemical education and teaching, and pays special attention to the promotion of the careers of young scientists.

[www.euchems.eu/divisions/physical-chemistry-2](http://www.euchems.eu/divisions/physical-chemistry-2)



Chair:  
**Paul Attfield**

### Division of Solid State and Materials Chemistry

The EuChemS Division of Solid State and Materials Chemistry covers a highly multidisciplinary area of research, which embraces major sub-disciplines of chemistry such as inorganic, organic, physical, theoretical and analytical chemistry, and bridges to physics and engineering. The Division aims to bring together the various sub-disciplines of the field and coordinate activities with existing national associations as well as with industry, solid state and materials chemistry being application-oriented.

[www.euchems.eu/divisions/solid-state-and-materials-chemistry](http://www.euchems.eu/divisions/solid-state-and-materials-chemistry)



Chair:  
**Aline Auroux**

### Working Party on Chemistry and Energy

The EuChemS Working Party on Chemistry and Energy (whose status will as of 2019 be changed to that of a Division), aims at becoming the key forum for discussion and promotion of any initiatives at the scientific, technical, and political level to advocate the leading role of chemistry in contemporary energy research. It organises various conferences and workshops on energy related topics in cooperation with other scientific, industrial and political stakeholders at the national and European level. The Working Party also supports activities, organises platforms, attracts funding, enhances networking opportunities, and promotes education related to energy and chemistry in Europe.

[www.euchems.eu/divisions/chemistry-and-energy](http://www.euchems.eu/divisions/chemistry-and-energy)



Chair:  
**Rocco Mazzeo**

### Working Party on Chemistry for Cultural Heritage

The EuChemS Working Party on Chemistry for Cultural Heritage aims to create links the world over, as well as closely collaborate with the professional conservation community (e.g. IIC, ICOM-CC, ENCoRe...). It aims to motivate and assist national chemical societies in promoting the interest and knowledge of the relation between chemistry and cultural heritage in Europe. The Working Party has also provided EuChemS with feedback to answer European Commission consultations.

[www.euchems.eu/divisions/chemistry-for-cultural-heritage-2](http://www.euchems.eu/divisions/chemistry-for-cultural-heritage-2)



Chair:  
**Hartmut Frank**

### Working Party on Ethics in Chemistry

The EuChemS Working Party on Ethics in Chemistry aims to assist in the propagation of ethical guidelines within the chemical community, and to help by dialectical reasoning in resolving controversies or dilemmas about the consequences, benefits and problems arising from the practice of chemistry. Towards this end, the Working Party intends to consult and cooperate with other public organisations such as the OPCW and national or European science-administrative bodies. A particular goal is to promote between chemical professionals a better understanding of the importance of ethical considerations in all areas of chemical research and applied chemistry by education. The Working Party worked throughout 2018 in the development of the EuChemS online course "Good Chemistry: Methodological, Ethical, and Social Implications".

[www.euchems.eu/divisions/ethics-in-chemistry](http://www.euchems.eu/divisions/ethics-in-chemistry)



Chair:  
**Brigitte Van  
Tiggelen**

### Working Party on History of Chemistry

The EuChemS Working Party on the History of Chemistry leads a number of projects to promote chemistry through its history and serves as a platform for international networking. Over the years, the international conference organised on a biennial basis has become a key event in the history of science community, bringing together chemists and historians from across Europe and beyond to investigate and discuss the latest research and reflections on a wide variety of aspects of the history of the molecular sciences. The Working Party has also contributed to EuChemS responses to EU-level consultations and has also worked closely with EuChemS on the Historical Landmarks Award.

[www.euchems.eu/divisions/working-party-formulation-chemistry](http://www.euchems.eu/divisions/working-party-formulation-chemistry)



Chair:  
**Alain Durand**

### Working Party on Formulation in Chemistry

The EuChemS Working Party on Formulation in Chemistry, established in January 2018, aims to become a European forum for cross-sectorial discussions between people from academia and industry on all topics where chemistry is a challenge for formulated products. A fundamental message underpinning the concept of formulations is that basic knowledge, colloidal chemistry and industrial operations are identical from one sector to another.

[www.euchems.eu/divisions/history-of-chemistry-2](http://www.euchems.eu/divisions/history-of-chemistry-2)



Chair:  
**Alice Soldà**

### The European Young Chemists' Network (EYCN)

The European Young Chemists' Network (EYCN) is the young division of EuChemS. The goal of the EYCN is to provide a platform to exchange ideas, promote new projects and improve the visibility of chemistry. The EYCN aims to create new educational and networking opportunities for chemists at the early stages of their career, by promoting several awards, organising workshops and fostering exchange programmes to promote the mobility of its members. Through collaborating with industry and other young scientific societies around the world, the EYCN aims to tackle these ambitious goals.

The EYCN organised a comprehensive programme during the 7<sup>th</sup> EuChemS Chemistry Congress in Liverpool, including workshops, a network reception and talks by industry and young scientists. The EYCN also collaborated with ECEG, FECCIA and industriAll on the 'Mobility and Mentoring' project funded by the European Commission. The platform provides mentoring to young scientists that move to a different European country. The EYCN also created its own webpage "Chemistry across Europe" ([map.eycn.eu](http://map.eycn.eu)), which provides basic information about academia and industry through an interactive map.



In 2018, the Young Chemists Crossing Borders (YCCB) exchange programme with the American Chemical Society's (ACS) Younger Chemists Committee (YCC) took place, which provided young chemists the opportunity to attend an international conference on the other side of the Atlantic. With the ACS-YCC, the EYCN also co-organised a Young Chemists Symposium at the ABCChem in Cancun (Mexico). The EYCN organised the 2<sup>nd</sup> EYCN video contest "Chemistry Rediscovery" in view of the IYPT2019. Recently, a new YouTube channel was created where the best videos from the 1<sup>st</sup> edition of the video contest are available as well as the EYCN *Interviews* of eminent chemists, recorded during the Congress in Liverpool.









[www.euchems.eu/divisions/european-young-chemists-network](http://www.euchems.eu/divisions/european-young-chemists-network)

# MEMBER SOCIETIES AND SUPPORTING MEMBERS

## MEMBER SOCIETIES

	Osterreichische Gesellschaft für Analytische Chemie	<i>Austrian Society of Analytical Chemistry</i>
	Gesellschaft Österreichischer Chemiker	<i>Austrian Chemical Society</i>
	Société Royale de Chimie	<i>Walloon Royal Society of Chemistry</i>
	Koninklijke Vlaamse Chemische Vereniging	<i>Royal Flemish Chemical Society</i>
	Hrvatsko Kemijsko Društvo	<i>Croatian Chemical Society</i>
	Παγκύπρια Ένωση Επιστημόνων Χημικών	<i>Pancyprian Union of Chemists</i>
	Ceská společnost Chemická	<i>Czech Chemical Society</i>
	Kemisk Forening	<i>Danish Chemical Society</i>
	Eesti Keemia Selts	<i>Estonian Chemical Society</i>
	Suomalainen Kemistien Seura	<i>Finnish Chemical Society</i>
	Société Chimique de France	<i>French Chemical Society</i>
	Gesellschaft Deutscher Chemiker	<i>German Chemical Society</i>
	Deutsche Bunsen-Gesellschaft für Physikalische Chemie	<i>German Bunsen Society for Physical Chemistry</i>

	Ένωση Ελλήνων Χημικών	<i>Association of Greek Chemists</i>
	Magyar Kémikusok Egyesülete	<i>Hungarian Chemical Society</i>
	Instituid Ceimice Na Héireann	<i>Institute of Chemistry of Ireland</i>
	הימכל תילארשיה הרבחה	<i>Israel Chemical Society</i>
	Consiglio Nazionale degli Ordini dei Chimici e dei Fisici	<i>Italian National Board of Chartered Chemists and Physicists</i>
	Società Chimica Italiana	<i>Italian Chemical Society</i>
	Association des Chimistes Luxembourgeois (ACHIL)	<i>Association of Luxembourgish Chemists</i>
	Cojuz na хемичарите и технолозите на Македонија	<i>Society of Chemists and Technologists of Macedonia</i>
	Hemijsko Društvo Crne Gore	<i>Chemical Society of Montenegro</i>
	Koninklijke Nederlandse Chemische Vereniging (KNCV)	<i>Royal Netherlands Chemical Society</i>
	Norsk Kjemisk Selskap – NKS	<i>Norwegian Chemical Society</i>
	Polskie Towarzystwo Chemiczne	<i>Polish Chemical Society</i>
	Sociedade Portuguesa de Química	<i>Portuguese Chemical Society</i>
	Sociedade Portuguesa de Electroquímica	<i>Portuguese Electrochemical Society</i>
	Societatea de Chimie din Romania	<i>Romanian Chemical Society</i>
	Российское химическое общество им. Д.И. Менделеева	<i>Mendeleev Russian Chemical Society</i>

	Научный совет по аналитической химии	<i>Russian Scientific Council on Analytical Chemistry</i>
	Српско хемијско друштво (СХД)	<i>Serbian Chemical Society</i>
	Slovenská chemická spoločnosť	<i>Slovak Chemical Society</i>
	Slovensko Kemijsko Društvo	<i>Slovenian Chemical Society</i>
	Real Sociedad Española de Química	<i>Spanish Royal Society of Chemistry</i>
	Sociedad Española de Química Analítica (SEQA)	<i>Spanish Society for Analytical Chemistry</i>
	Asociación Nacional de Químicos de España (ANQUE)	<i>ANQUE</i>
	Societat Catalana de Química	<i>Catalan Chemical Society</i>
	Svenska Kemisamfundet	<i>Swedish Chemical Society</i>
	Schweizerische Chemische Gesellschaft - Société Suisse de Chimie	<i>Swiss Chemical Society</i>
	Türkiye Kimya Derneği	<i>Turkish Chemical Society</i>
	Royal Society of Chemistry	<i>UK Royal Society of Chemistry</i>

 **EuChemS**  
European Chemical Society



## SUPPORTING MEMBERS



European Nanoporous Materials Institute of Excellence (ENMIX)



European Chemistry Thematic Network Association (ECTN)



Fraunhofer Institute for Interfacial Engineering and Biotechnology (IGB)



European Federation of Managerial Staff in the Chemical and Allied Industries (FECCIA)



European Research Institute of Catalysis (ERIC)



European Federation for Medicinal Chemistry (EFMC)

## PARTNERS AND OBSERVERS



IUPAC - International Union of Pure and Applied Chemistry



ACS - American Chemical Society



EPS - European Physical Society



Consiglio Nazionale delle Ricerche

CNR - Italian National Research Council



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