



# CHEMISTRY in Europe

Newsletter for European Chemistry, published by EuChemS

Issue #2019 – 2

## EDITORIAL



### “Science, which deals with the infinite, is itself without bounds”

The International Year of the Periodic Table of Chemical Elements (IYPT) proclaimed by the UN and coordinated by UNESCO and IUPAC in close collaboration with other founding partners (EuChemS, ISC, IUPAP, IAU, IUHPST) is expected

to enhance international cooperation by coordinating activities between learned societies, educational establishments and industry, focusing specifically on new partnerships and initiatives in the developing world and establish durable partnerships to ensure that these activities, goals and achievements continue in the future beyond the year 2019. The IYPT provides an exciting opportunity to reflect upon many aspects of the periodic table, including its history, the role of men and women in research, global trends and perspectives on science for sustainable development, as well as its social and economic impacts.

On 10 April 2019, I took the plane from Moscow to Brussels to join the flagship ceremony dedicated to the Centennial of the International Astronomical Union (IAU). The IAU was the founding partner of the International Year of the Periodic Table of Chemical Elements (IYPT) along with EuChemS, IUPAP and IUHPST. Professor Ewin van Dishoeck, the IAU President, made a brilliant presentation “Origin of Elements in the Outer Space” at the IYPT Grand Opening Ceremony in UNESCO HQ in Paris on 29 January 2019, so, I accepted the invitation to join the IAU Centenary Celebration with great pleasure. You can watch the Grand Opening Ceremony [here](#).

The flight from Moscow to Brussels takes about 3,5 hours. I was looking through the news magazines offered by the stewardess. One of the headlines attracted my attention: “Dialogue with Silence”. The publication dealt with the recent workshop organised by the METI International. Among the primary objectives and the purposes of this organisation is the conducting of scientific research and educational programmes in Messaging Extraterrestrial Intelligence (METI) and the Search for Extraterrestrial Intelligence (SETI) and to foster multidisciplinary research on the design and transmission of interstellar messages, building a global community of scholars from the natural sciences, social sciences, humanities, and arts. But how to choose the content of the interstellar message so that it is understandable to everyone and everywhere in the Universe?

Read the full editorial online:

<https://www.euchems.eu/newsletters/chemistry-in-europe-2019-2/>

*Natalia P. Tarasova*  
IUPAC Past-President

## FOCUS

### EuChemS and ACS meet in Orlando

In April this year, we made our way to Orlando, USA, for the American Chemical Society’s (ACS) yearly National Meeting, following an invitation by the ACS. We were delighted to have the opportunity to present EuChemS, and our latest initiatives at the ACS Committee on international activities / sub-committee for Europe meeting. We also discussed how to further develop collaboration – and in particular, with a focus on how we can, through chemistry, jointly contribute to many of the United Nations Sustainable Development Goals (SDGs).

An example of such collaboration was recently demonstrated at the [workshop on Horizon Europe, education and employability](#), organised by EuChemS and held in the European Parliament on 7 March 2019. A relevant and timely contribution from LaTrease E. Garrison, Executive Vice-President for Education at the ACS was provided by video, in which she analysed the state of employability of chemists in the USA.

Read the full story online:

<http://bit.ly/2DS8LHd>

*Pilar Goya, President*  
*Nineta Hrastelj, Secretary General,*  
*EuChemS*



*EuChemS President Pilar Goya and Nineta Hrastelj, Secretary General meet with ACS Past Presidents.*  
Photo by C&EN

## POLICY

### Plan S and Open Science

The publication of the 10 principles of Plan S by a coalition of research funders (the so-called cOAlition S, and with the support of the European Commission in September 2018 led to extensive debates in the scientific community. As a consequence of Plan S, all researchers are most likely now aware that Open Access and more generally Open Science is an important topic for how scientific practice will evolve, and that they, for this reason, must take part in the public debate. The debate following Plan S showed that the scientific community is however split, with strong voices supporting the plan but also strong voices opposing many of the requirements laid out in the 10 principles.

Open Access is an important topic for the scientific community, and EuChemS supports the transition to Open Access publishing. EuChemS believes that it is important that researchers have a strong voice and is actively taking part in defining the future Open Access

and the future of scholarly publication. EuChemS values the attention Plan S has attracted to the field of Open Science, and for the engagement it has created among researchers across all scientific disciplines.

The 10 principles laid out in Plan S and detailed in the subsequent implementation plan were developed by cOAlition S, an international consortium of research funders. This in itself represents one of the major weaknesses of the plan - despite the fact that Plan S addresses core elements of modern scholarly activity and the dissemination of scientific results, researchers have not been actively involved in the process of defining its principles or the proposed implementation plan.

You can read the full article online:  
<http://bit.ly/2DS8hRp>

*Kenneth Ruud, EuChemS  
The Arctic University of Norway*

## RESEARCH

### 14<sup>th</sup> EYCN Delegate Assembly in Bremen

The motivated young scientists of the European Young Chemists' Network (EYCN) continue to promote chemistry across and beyond Europe. Over the past year, the representatives from 29 European countries facilitated the exchange of knowledge and experience among young chemists in academia and industry, as well as in professional and governing bodies, increasing the visibility of chemistry, while supporting young chemists at the beginning of their careers.

The 14th Delegate Assembly (DA) of the EYCN took place in Bremen, Germany, on 17-20 March 2019 and was organised with the support of the German Young Chemists' Network (GDCh-JCF). In addition to the Delegates and former Board Members, led by the Chair, Alice Soldà, who provided overviews of their...

You can read the full article online: <http://bit.ly/2H3TwwE>

*The EYCN team*



*EYCN Delegate Assembly, Bremen, Germany*

## Chemistry Rediscovered video contest “In Your Element”

This year marks the 150th anniversary of Dimitri Mendeleev’s development of the Periodic Table of Chemical Elements. Based on this important milestone in chemical history, the United Nations proclaimed 2019 as the International Year of the Periodic Table of Chemical Elements. The EYCN took the opportunity to organise the 2nd edition of its Chemistry Rediscovered video contest on this occasion.

You can read the full article online:

<http://bit.ly/2H3TwwE>

*Maximilian Menche, Sébastien Prévost  
EYCN*

## Food Chemistry for the future of Europe

The EuChemS Division of Food Chemistry is glad to announce that its Divisional Congress (EuroFoodChem XX) is soon approaching! Food Chemistry, a basic discipline within the Food Sciences, enables the understanding of the complex chemical and biochemical phenomena occurring in food and in processed food. Considering the deep interplays among Food Technology, Nutrition Sciences and Analytical Chemistry, Food Chemistry as a discipline allows us to improve our knowledge about traditional and novel foods as well as elucidating the...

You can read the full article online:

<http://bit.ly/2H3TwwE>

*Marco Arlorio, Joana Amaral and Michael Murkovic  
EuChemS Division of Food Chemistry*

## MEMBERS’ PERSPECTIVES

### Global Women’s Breakfast

The International Union of Pure and Applied Chemistry (IUPAC) had called on the international chemical community to hold a global networking event to strengthen women in chemistry. The aim was to give female chemists at different stages of their careers the opportunity to exchange ideas and build new networks...

You can read the full article online:

<http://bit.ly/2GZ86o5>

*Karin J. Schmitz, GDCh*

### Ministers of Education of the European Higher Education Area approve new edition of the Diploma Supplement

A new edition of the Diploma Supplement (DS) was approved in 2018 at the Paris meeting of the Ministers of Education of the European Higher Education Area (EHEA). This new DS edition should be used for graduates from all educational programmes. The great advantage of the new...

You can read the full article online: <http://bit.ly/2GZ86o5>

*Reiner Salzer  
ECTN and Dept. Chemistry and Food Chemistry, TU Dresden*

## MEET...



Antonio M. Rodríguez García is the Chair of the EYCN. He is a Postdoctoral Researcher at the Universidad de Castilla-La Mancha at Instituto Regional de Investigaciones Científicas Aplicada (IRICA), Ciudad Real



Ana Aguiar Ricardo is the Chair of the EuChemS Division on Green and Sustainable Chemistry and Head of Chemistry Department at the NOVA School of Science and Technology in Portugal.

## NOTES



EuChemS special donated prize: Karen Slavin (EUCYS Project Officer), Leandra Marie, Viktoria Zinke, Katarina Juhart, Sofia Quitter (European Schools), Tony Fagan (President of the Jury). (c)European Commission

### EUCYS Prize – an interview

Since 1989, the European Union organises the EU Contest for Young Scientists (EUCYS) to “promote the ideals of co-operation and interchange between young scientists”. EuChemS has encouraged and supported the contest, and awards a prize for the best Chemistry project presented at EUCYS.

You can read the interview online: <http://bit.ly/2H6iHit>

### Obituary: Remembering Sergio Facchetti

It is with a heavy heart that we have learnt the news of Sergio Facchetti’s passing on the morning of Saturday 30 March 2019. Sergio Facchetti, born in Borgo Ticino (Novara – Italy), was a leading scientist who gave outstanding service to the field and image of chemistry in Europe, as well as to EuChemS and its predecessor FECS, and for this we are eternally grateful.

You can read the full obituary online: <http://bit.ly/2H6iHit>

*Franco de Angelis,  
 Honorary Fellow of ChemPubSoc Europe; University of l'Aquila*

## CALENDAR

Visit: <https://www.euchems.eu/events-overview/euchems-events-calendar/> for a list of all our upcoming events.

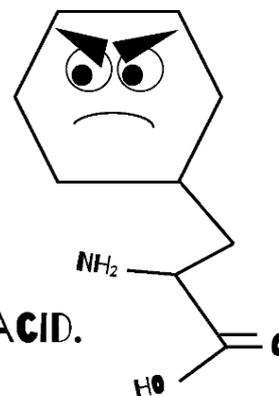
**EuChemS Executive Board Meeting**  
 Brussels, Belgium  
 13 – 14 June 2019

**8<sup>th</sup> EuChemS Chemistry Congress**  
 Lisbon, Portugal  
 30 August – 3 September 2020  
<http://www.euchems2020.org/>



## FUNNY

What do you  
 call an acid  
 with an  
 attitude?



## COLOPHON

**Chemistry in Europe (CiE)** is the EuChemS quarterly newsletter mainly intended for an audience of chemists. Its objective is to inform the community about research in Europe, to provide updates from EuChemS Member Organisations, and to investigate the latest policy-related developments.

#### Editorial Board:

David Cole-Hamilton, Willem de Lange, Pilar Goya, Nineta Hrastelj (Chair), Torsten John, Marta Kucza, Alex Schiphorst (Coordinator), Karin Schmitz, Emmanuel Sinagra, Cristina Todasca.

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