

ANALYTICAL MATTERS

ISSUE 16 – SUMMER EDITION 2020

ONLINE EVENTS

Due to the current crisis, many events have been moved online:

Chemical Science

Symposium 2020: How can machine learning and autonomy accelerate chemistry? – more info [here](#)
29-30th September 2020, online

RSC Molecular Spectroscopy Group Online Seminar Series - October 2020 – more info [here](#)

22nd October 2020, online

The Forge - Characterisation of Pharmaceutical Formulations – more info [here](#)

4-5th November 2020, online

JPAG pharmaceutical analysis research awards 2020 – more info [here](#)
17th November 2020, online

CPD RESOURCES

Analytical Methods Committee Technical Briefs
Technical information on a wide range of analytical techniques, found [here](#)

RSC online CPD
[Log](#) your continuing professional development

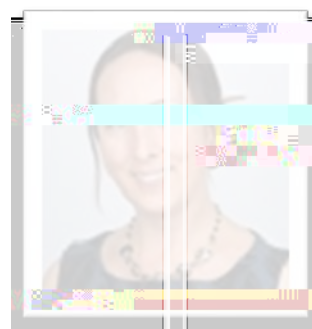
Welcome to the sixteenth issue of Analytical Matters, the e-newsletter of the Analytical Division of the Royal Society of Chemistry (RSC). Analytical Matters aims to showcase the wide range of analytical science activities being run across the Royal Society of Chemistry Analytical Division as well as linking with parts of the UK analytical community beyond our membership.

In the advent of COVID-19 we are seeing the movement of conferences and symposia to online events – the Analytical Division is no different. We will be running several virtual symposia (7th October and 2nd December), as part of a larger RSC event, to highlight the latest analytical research, showcase early career researchers, and enable our community to share, connect and network. We hope to see you there.

In this issue, we welcome new Analytical Division Council members, as well as celebrate the 2020 Analytical Division Award Winners, whose research ranges from ingestible sensors to surface science.

We also highlight the range of RSC support available to help our community. From financial support through the Chemists' Community Fund, to funding for projects for improving diversity through the RSC Inclusion and Diversity Fund.

I also encourage you to take advantage of the range of difa 0Å #•Ð(008



<http://rsc.li/analytical-matters>

Welcome to new Analytical Division Council members

As Diane Turner

Robert Boyle Prize for Analytical Science : [Professor Kourosh Kalanter-Zadeh](#) (University of New South Wales) for the development of commercialised ingestible sensors for gut disorders, gas sensors for pollutants and point-of-care biosensors.

Ronald Belcher Award : [Ms Hayley Simon](#) (University College London) for outstanding and innovative research on the conservation of Mary Rose iron cannonballs, which has produced unique insights to the field of conservation.

Theophilus Redwood Award : [Professor Richard Brown](#) (National Physical Laboratory) for excellence in theoretical and practical aspects of chemical measurement leading to the recent redefinition of the mole, and communication of these changes.

The Analytical Division Council would also like to congratulate the Royal Society of Chemistry Inspirational Member Award winners:

[Professor John Dean](#) (Northumbria University and RSC Analytical Division North East Region) for dedication to the planning, coordination and ongoing development of the Schools Analyst Competition.

[Dr Steve Lancaster](#) (Domino Printing Sciences and RSC Pan Africa Chemistry Network) for dedication to the development of an analytical chemistry training programme in Africa.

ANALYTICAL DIVISION EVENTS

Analytical Division Online Symposia – register now !

The Royal Society of Chemistry Science Divisions are hosting a series of free fortnightly online symposium for our communities to hear about the latest research and network with colleagues.

Join us to hear from keynote speakers, including RSC Prize & Award winners, alongside short talks from early career

For more information, please contact the Analytical Division Council at adc@rsc.org or visit our website at www.rsc.org/analytical.

RSC SUPPORT

COVID-19 – find support

You can find detailed support for individuals, researchers, educators and businesses from the Royal Society of Chemistry and other organisations, including the UK Government on their [webpage](#).

Chemists' Community Fund

If current events are having a negative financial impact on you, your partner or dependants – especially if they have led to changes in your regular income – please speak to the Chemists' Community Fund, the benevolent fund for RSC members.

While we recognise that the support we can offer will be limited, we may be able to offer financial support to you and your family as a Royal Society of Chemistry member.

The Fund offers a completely confidential service. Please get in 1 ()-2.2 (i)3226 (s)-20 226226o3.1 (o)]-8.1 (a)-26te fs2 >>B TmF

RSC EVENTS

Building a better chemistry culture webinar series

In response to the COVID-19 pandemic and with an aim to support the chemical sciences community beyond the current situation, Chemistry World and the Inclusion and Diversity Team at the Royal Society of Chemistry are offering a series of monthly webinars titled [Building a better chemistry culture](#). The series will focus on the science behind some of the issues being experienced during this time and provide support such as sharing coping strategies and reducing stigma around mental health and wellbeing. The themes that will be explored include kindness, working from home, isolation and loneliness, impact on professional and personal relationships, coping with loss, managing uncertainty and lack of control.

Missed the previous webinars? You can find the series on -demand [here](#).

Annual PACN Congress

The [Pan Africa Chemistry Network](#) Annual PACN Congress, planned to have taken place in Lagos, Nigeria this year has been cancelled. In its place, PACN will be running a series of 3 webinars over 2 days covering the issue of counterfeiting medicine in Africa, on 30th November and 1st December 2020.

Webinar 1: The reality of combatting counterfeiting in Africa - Current market trends/Industry response

Webinar 2 : Detecting & distinguishing counterfeit medicines/ analytical approaches

Webinar 3: Future anti-counterfeiting technologies

If you are an expert in any of these areas, the organising committee are looking for speakers for the event. Please contact Francesca Porcu at africa@rsc.org for inquiries.

FUNDING OPPORTUNITIES

CAMS Fellowships

The CAMS Fellowships provide funding to assist early career analytical chemists within 5 years of their first fullactn 51 Tw 0 6 Tc 0

Analytical Methods Committee Technical Briefs

The Analytical Methods Committee

- STATISTICAL METHODS EXPERT WORKING GROUP**
- ESSENTIAL CHEMISTRY EXPERT WORKING GROUP**
- INSTRUMENTAL ANALYSIS EXPERT WORKING GROUP**
- SAMPLING UNCERTAINTY EXPERT WORKING GROUP**
- SCIENCE EXPERT WORKING GROUP**
- FOOD AND FEED AUTHENTICITY EXPERT WORKING GROUP**
- ANIMAL FEEDSTUFFS EXPERT WORKING GROUP**

Committee of the Royal Society of Analytical Chemistry
 Headquartered in the Analytical Division of the Royal Society of Analytical Chemistry

Science Community
 Composed of experts from across the analytical chemistry community

Aims to participate in national and international efforts to establish appropriate quality frameworks for chemical measurements

Works alongside numerous accreditation services and governing bodies such as UKAS

Produce reports and technical briefs published in the RSC journal Analytical Methods

Free to access. Technical briefs used towards Continuing Professional Development certification

Advice on the use and development of applications

For more information visit www.rsc.org/amc and follow us at @RSC_AMC

Technical Briefs published by the AMC are prepared by experts in the field to highlight recent information on topics of interest to the analytical chemistry community. In this edition we would like to highlight our latest technical brief.

Thermal desorption part 1: introduction and instrumentation

Analytical Methods Committee, AMCTB No 97

The past 30 years have seen increasing availability of methods and equipment using thermal desorption for the measurement of airborne pollutants. These methods: offer greater sensitivity than methods using solvent desorption; are more amenable to automation; and, are better suited to mass spectrometry (MS)-based detection. The greater sensitivity offered by thermal desorption means it is well suited to the analysis of samples collected through diffusive sampling with the additional benefits that this offers. This Technical Brief informs both analysts and less technically aware users of the capabilities and limitations of thermal desorption equipment and measurement methods.

For more free technical briefs on this topic and more topics of interest to the analytical chemistry community, please visit the link [h_ere](#).

Looking to gain chartered status? The Analytical Methods Committee (AMC) provide Technical Briefs, ideal for supporting continuing professional development.

The Analytical Methods Committee (AMC) is the Committee of the Analytical Division (AD) that handles matters of technical importance to the Analytical Science Community. Made up of expert Sub-Committees and designated representatives, the broad aim of the AMC is to participate in national and international efforts to establish a comprehensive framework for appropriate quality in chemical measurement, often working alongside numerous accreditation services and governing bodies, such as DEFRA and UKAS.

To do this, we assist in the development and establishment of suitable performance criteria for methods and instruments; advise on the use and development of appropriate station-6.3 (i)3.....R8 (i)8.Mt]TJ [(r)-6.3 (i)3.1 (3.173.1 (3.17pl0.1 (1.1 (

ACTF Logo Competition Winners

After the cancellation of the Schools Analysts Competition events earlier this year, trustees of the Analytical Chemistry Trust (ACTF) launched a competition for students to design a new logo for the trust fund.

