



## “Practical Chemistry During a Pandemic Including a Microscale Approach”

An Online Conference at 9.30am (BST), Tuesday July 13<sup>th</sup>

The Royal Society of Chemistry Secondary and Further Interest Group (SaFE),

<https://rscsafegroup.wordpress.com/2021-conference/>

in cooperation the International Symposium for Microscale Chemistry (ISMC)\* are holding an online conference to examine how teachers of chemistry have dealt with practical work during this difficult year.

**Open to Educationalists; Teachers, Lecturers, Education Students and Technicians** in the UK and the World. The cost will be £10.

### Topics include

- Practical Work in School Examinations
- The role CLEAPSS and SSERC during the emergency
- Uses of microscale techniques at A level
- Application of small scale techniques in Industry and Research in the UK and Overseas.
- Using Chemistry to present Magic!
- Blended Learning
- Column chromatography on Pasteur pipettes
- pH Art (see the ISMV Logo)
- Macro microgels

### Presenters include

- Professor Jorge Ibanez (Mexico)
- Professor Glenn Hurst
- Professor Michael Tausch (Germany)
- Gregor von Borstel (Germany)
- Professor David Read
- Andy Brunning
- David Paterson
- Bob Worley
- John Baum
- Sandrine Bouchelkia
- Isobel Everest
- Adrian Allan
- Matt Endean
- Chris Lloyd

### Poster Presentation:

Thanks to CLEAPSS, there is also the opportunity to supply a poster and prizes will be offered to the best entries. See <https://rscsafegroup.wordpress.com/2021-conference/> and <https://ismc2021.weebly.com/poster-challenge.html> .

\*The ISMC is organised by a group of like-minded friends who meet up biennially in different parts of the world. By inviting this groups, SaFE is able to present an international element to this conference <https://ismc2021.weebly.com/history.html>.



## “Practical Chemistry Poster Challenge”

*as part of the* International Symposium of Microscale Chemistry *and the* RSC Secondary and Further Educational Group Conference with thanks to CLEAPSS

Entries in by **1<sup>st</sup> July 2021** for display on the **website**

<https://ismc2021.weebly.com/> also **Twitter** using **#ismc2021poster**

**Open to Educationalists;** Teachers, Lecturers, Education Students and Technicians in the UK and the World.

Online meetings of the RSC Secondary and Further Education Group (SaFE) combined with International Symposium of Microscale Chemistry (ISM2021), taking place on Tuesday July 13<sup>th</sup> and Wednesday July 14<sup>th</sup> 2021

If you wish, you can send in a YouTube video “pitch” ( no longer than 2 minutes) to explain the important aspects of your presentation or show a very video of an experiment. Send this as a link with the **#ismc2021poster hashtag**.

**Entries** that really impress the panel may be invited to discuss their poster at the event which starts from July 13<sup>th</sup>, **further details of prizes later**.

### Categories

- A. Carrying out practical work in a classroom or at home
- B. Using, developing, and evaluating microscale techniques
- C. Continual Professional Development in practical chemistry during the COVID-19 emergency / pandemic
- D. Focusing Practical Work on “Misconceptions”
- E. Relating practical chemistry to the student’s environment

#### Format

JPEG: A3/4 Size,  
landscape or portrait, so  
that posters may be  
easily printed by visitors.

#### Send your entry as a JPEG picture with

- Title
- Theme
- Name(s),
- Institution(s)  
to bobworley4@gmail.com.



## Microscale and Small Scale Innovative Practical Chemistry in Education, World-Wide Contributions

"An Invitation to Participate in International conference organised by ISMC"

Wednesday July 14<sup>th</sup> from 12 noon (BST, UTC+1) to 6 pm

**The International Symposium for Microscale Chemistry (ISM2021)**  
with the support of SaFE and CLEAPSS

([www.ismc2021.weebly.com](http://www.ismc2021.weebly.com)) promoting interest in small-scale, innovative practical work in schools, colleges & Universities.

### Topics Include:

- Systems-thinking in Microscale – Cells and Circuits
- Biological fuel cells in the chemistry classroom – a contribution for teaching sustainability issues
- Using a Microscale Hofmann voltameter apparatus to teach chemistry to students.
- The usefulness of Microscale Chemistry in the Time of COVID-19
- The inclusive nature of the microscale approach
- Studies on the Synthesis and Teaching Materials of the Magnetic Ionic Liquids
- Research On The Experiments Of Micro Filter Paper Fuel Cell
- Microchemistry Innovation in Our City, Chongqing
- How and when will microscale chemistry be part of our curriculum?
- Classic chemistry practicals quickly done by reduced or microscale way.
- Microscale Organic chemistry equipment
- Hydrophobic Games
- A Microscale Laboratory Concept using Lego® S.N.O.T. technique
- Macromolecules-en miniature
- Filling small syringes with gases and Graham's Law of diffusion (effusion)

### Presenters Include:

- Prof John Bradley
- Dr Claudia Bohrmann-Linde
- Dr Adrian Allan
- Professor Jorge Ibanez
- Prof Kazuko Ogino,
- Dr Jane Essex,
- Prof Yumiko Takagi
- N.H.Zhou
- Prof Xiaoxue Xu
- Dr Abdulaziz Alnajjar
- Dr Peter Hoare
- Prof Li Jiliang\*
- Dr Alfredo Mateus
- James Powell
- Dr Angela Köhler
- Prof Bruce Mattson

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