



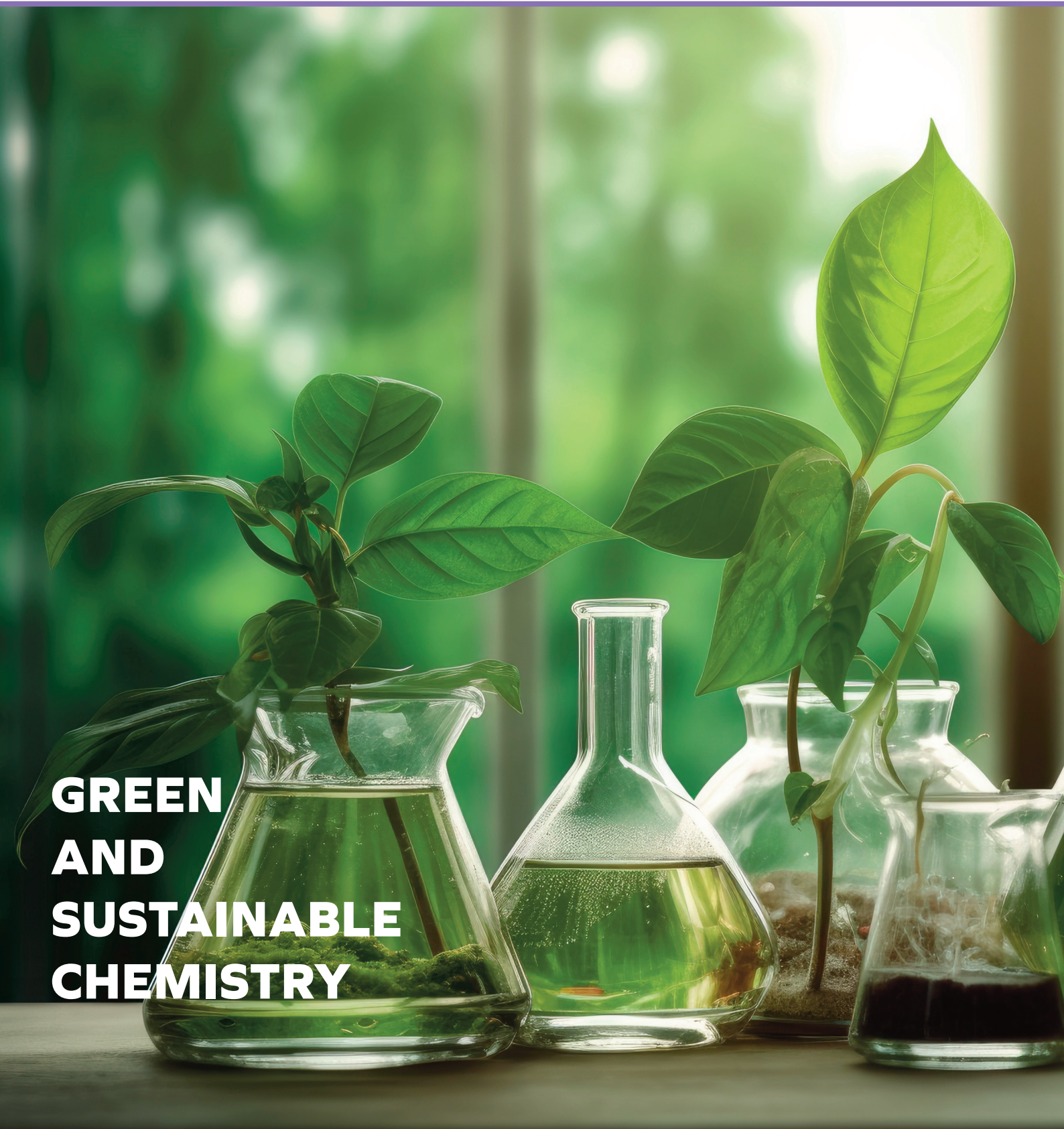
ACADÉMIE
DES SCIENCES
INSTITUT DE FRANCE

THE
ROYAL
SOCIETY

JOINT SCIENTIFIC WORKSHOP

Fondation Simone et Cino del Duca
10 rue Alfred de Vigny - 75008 Paris

October 19 and 20, 2023



**GREEN
AND
SUSTAINABLE
CHEMISTRY**

JOINT SCIENTIFIC WORKSHOP ON GREEN AND SUSTAINABLE CHEMISTRY

The *Académie des sciences* and the Royal Society are two of the oldest academies in Europe, founded in 1666 and 1660, respectively. Both institutions gather prominent scientists dedicated to promoting excellence in science for the benefit of humanity and are committed to examining the political, ethical and societal issues surrounding current and future scientific topics.

Together, they have decided to organize a joint scientific workshop on green and sustainable chemistry at the *Fondation Simone et Cino Del Duca* (10 Rue Alfred de Vigny, 75008) in Paris 19-20 October 2023.

The aim of the symposium is to explore how to increase partnerships between the UK and France, specifically in the field of green and sustainable chemistry. Green and sustainable chemistry are core parts of the chemical sciences, and will be needed ever more as we pursue a more sustainable future.

OCTOBER 19, 2023

12:00 pm	Lunch and registration
1:30 pm	Opening and introduction Janine COSSY, ESPCI Paris, member of the French Academy of sciences Sir Martyn POLIAKOFF, FRS
2:00 pm	Sustainability: Who Gives a Crap? Mike GEORGE, University of Nottingham
2:20 pm	Transforming Fermentation Intermediates into High-Value Products using Flow Photochemistry Zacharias AMARA, Conservatoire National des Arts et Métiers, Paris
2:40 pm	Exploring the Properties of Photoactive Metal-oxo Clusters for a Sustainable Future Sebastian PIKE, University of Warwick
3:00 pm	New Polar and Radical Methods for the Formation of Carbon- Phosphorus Bonds : A Mechanistically-Driven Approach Sami LAKHDAR, CNRS and Université Paul Sabatier
3:20 pm	Discussion
4:00 pm	Coffee/Tea Break
4:30 pm	Organic Electrosynthesis as a Tool for Green Redox Chemistry Alastair J. J. LENNOX, University of Bristol
4:50 pm	Enabling technologies as the green engine of process research Pierre-Georges ECHEVERRIA, MINAKEM

5:10 pm	Alternative technologies for the conversion of bio-based feedstocks to specialty chemicals François JÉRÔME, CNRS and University of Poitiers
5:30 pm	Exploring Green Chemistry's Contribution in Circular Economy: Transforming Territorial Challenges into Innovative Solutions Grégory CHATEL, CNRS and Savoie Mont Blanc University
5:50 pm	Can supramolecular chemistry ever be sustainable? Anna G. SLATER, University of Liverpool
6:10 pm	Discussion
7:00 pm	Break
7:20 pm	Dinner

OCTOBER 20, 2023

8:15 am	Welcome coffee
8:45 am	Opening
8:50 am	Science, an important lever to tackle sustainability in the specialty chemicals industry Pascal METIVIER, Solvay group
9:10 am	Towards net zero carbon specialty chemicals manufacturing; challenges and opportunities from an SME's perspective Simon GRANT, Thomas Swan & co
9:30 am	Ecocatalysis: A Unique Combination of Global Ecology and Green and Sustainable Chemistry Claude GRISON, CNRS and University of Montpellier
9:50 am	Halogenation – when is it needed, and how can it be improved? Helen SNEDDON, University of York
10:10 am	Discussion
10:50 am	Coffee/Tea Break
11:20 am	Cleaner biocatalysis as a tool for sustainable chemical synthesis Kylie VINCENT, University of Oxford
11:40 am	Biocatalysis in its Golden Age – A Perfect Match in Green Chemistry Juliette MARTIN, SEQENS
12:00 pm	Precision Molecular Editing (Blending SynBio+ SynChem) : The Best of Both Worlds Rebecca J. M. GOSS, University of St Andrews
12:20 pm	Discussion
1:00 pm	Lunch buffet
3:30 pm	Visit of the French Academy of sciences



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