

Organic and Biomolecular Chemistry Division (Division III)

Composition 2022-2023

Titular Members

Amelia Pilar Rauter, President (Portugal)
Nikolay Nifantiev, Past-President (Russia)
Einar Uggerud, Vice-President (Norway)
Sławomir Jarosz, Secretary (Poland)
Jason Harper (Australia)
Ari Koskinen (Finland)
Cristina Nativi (Italy)
Zbigniew Witczak (USA)
Makoto Yamashita (Japan)
Paolo Scrimin (Italy)

Associate Members

Axel Griesbeck (Germany)
Mohammed Hegazy (Egypt)
John Honek (Canada)
Priyani Paranagama (Sri Lanka)
Ian Williams (United Kingdom)
Zhen Xi (China)

National Representatives

Claudia Bonfio (United Kingdom)
Morgan Donnard (France)
Eun Joo Kang (South Korea)
Palangpon Kongsaree (Thailand)
Mindy Levine (Israel)
Emilia Naydenova (Bulgaria)
Romano Orru (The Netherlands)
Vinod Singh (India)
Shih-Sheng Sun (Taiwan)
Zuriati Zakaria (Malaysia)

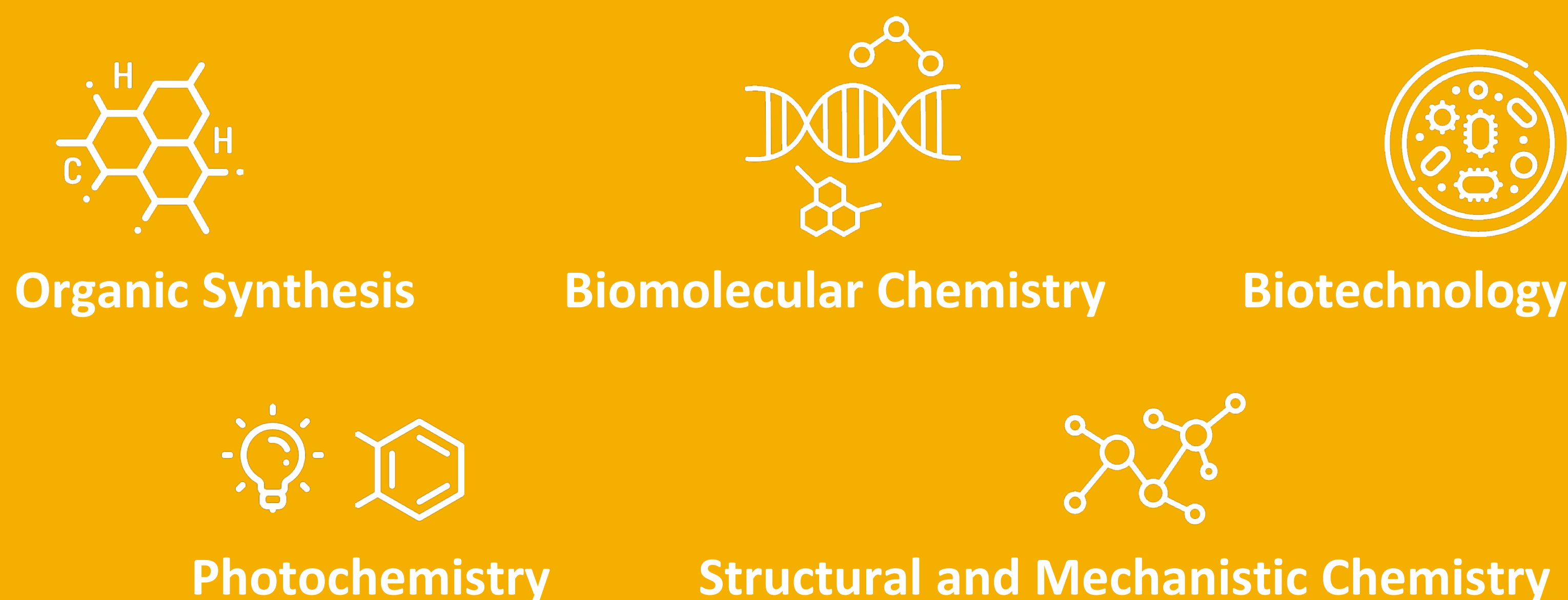
GA Division III Meeting



Mission

- to modernize organic and biomolecular chemistry concerns towards societal needs
- to promote interdisciplinary collaborations with other IUPAC divisions and committees as well as with related external bodies
- to bring IUPAC values to the scientific community and to the general public by spreading its chemical culture
- to show the role of chemical innovation for social well-being

Activities are organized in five sub-areas by the following Sub-Committees:



Activities

- Focused in demonstrating the role of organic and biomolecular chemistry for **solving problems threatening humankind and the world**
- Composed by **highly qualified elected members**, from a **geographical diversity** and with a reasonable **gender balance**, working with the **young generation of researchers**
- **Division III projects** aim at addressing tools for the **communication of chemical knowledge** for the benefit of humankind, fostering a **sustainable development**, promoting opportunities for a **common language through nomenclature and terminology** of organic compounds in strong collaboration with other IUPAC Divisions and Committees particularly within following projects:

- Gold Book Update of Terms for Organic and Biomolecular Chemistry (with Division I and Division VIII)
- Green Chemistry in Sub-Saharan Africa (with Interdivisional Committee on Green Chemistry for Sustainable Development - ICGCSD)
- The Gender Gap in Chemistry – Building on the ISC Gender Gap Project (partner)
- Guidelines on developing robust biocatalysts for biorefinery
- Nomenclature of Sequence-Controlled Polymers (partner)
- Development of an IUPAC Recommended Term Management System for expansion of the Coverage of the IUPAC Compendium on Chemical Terminology (partner, Committee on Publications and Cheminformatics Data Standards)
- The Environment, Health and Food Safety Impact of Microplastics (with Chemistry and the Environment Division)
- Bridging Ethnic Food Cultures through Chemistry

PAC Special Issues

Special issues with papers reported in IUPAC endorsed conferences in the areas related to Division III competences to demonstrate the importance of IUPAC to Science worldwide.

Recommendations:

- Glossary of terms in Physical Organic Chemistry (published)
- Extension and update of the Nomenclature of Carbohydrates

Conferences recently assisted/endorsed, supervised by Division III, part of a longstanding series

28th IUPAC Symposium on Photochemistry, Amsterdam, The Netherlands, 17 - 22 July 2022

25th IUPAC International Conference on Physical Organic Chemistry, Hiroshima, Japan, 10 - 15 July 2022

30th International Carbohydrate Symposium, Brazil, July 10-15, 2022 (online event), ICS2024 planned in China, 2024

XXIII International Conference of Organic Synthesis, Shanghai, China, 15 - 20 October 2023, expected in Poland, October 2024.

31st International Symposium on the Chemistry of Natural Products/11th International Congress on Biodiversity, Napoli, Italy, 15 - 19 October 2023

13th International Symposium on Bioorganic Chemistry, Singapore, 18 - 20 December 2023

21st International Symposium on Organometallic Chemistry Directed Toward Organic Synthesis, Vancouver, Canada, 24 - 28 July 2023

19th International Biotechnology Symposium, Maastricht, The Netherlands, 30 June - 3 July 2024