

# 22<sup>nd</sup> ISBC & 20<sup>th</sup> ISLS

the luminous conferences by the falls

3<sup>rd</sup>-7<sup>th</sup> June, 2024

Foz do Iguaçu - Brazil



## PROGRAM BOOK

## Welcome!

It is our great pleasure to welcome you to the joint meeting of the XXII International Symposium of Bioluminescence and Chemiluminescence (ISBC) and the XX International Symposium of Luminescence Spectroscopy (ISLS) in Foz do Iguaçu, Brazil, from June 3rd to 7th, 2024.

This is the first time the meeting has been held in Brazil, a multicultural country with the world's largest biodiversity of terrestrial luminescent organisms. For this reason, we selected the Foz de Iguaçu near the stunning Iguaçu Falls, a UNESCO natural heritage site and a biodiversity hotspot, to offer you a memorable experience.

It was challenging to organize such a meeting in Brazil during this challenging time of post-pandemics, with wars and dramatic climate changes, when the resources from public financial agencies were very short and sponsorships very few. But we are happy that, even considering such circumstances, more than 120 participants, including researchers and students from 30 different countries, will attend this unique Luminous conference!

This interdisciplinary event is a four-day conference, including plenary, invited lectures, and keynote sessions by internationally recognized speakers, alternated by poster sessions of selected contributors, expositions, and social activities. Selected oral speakers will present their most relevant results. The meeting is expected to promote the discussion and exchange of ideas among academic researchers and students and to foster interaction between industry and academy, substantially contributing to the dissemination of the most recent scientific and technological advances in electroluminescence, photoluminescence, chemiluminescence, and bioluminescence. Although many important questions need to be answered and studies remain regarding luminescent processes' physical, chemical, and biological fundamentals, an increasing shift toward its analytical applications was observed during the last ISBC/ISLS meetings. Nevertheless, the topic “Luminescence,” with its many facets, has an appealing potential to contribute to the so-needed sustainable development through new efficient light sources and the many analytical applications in different fields, including environment (bioindication, biosensing), biomedical (bioimaging, luminescent assays), safety and quality assessment in industry.

Our utmost interest is to develop a scientific event that strengthens and combines our knowledge and encourages us to continue developing our scientific activity.

We welcome you to this Luminous conference in Iguaçu Falls!

Vadim Viviani

Chairman

# COMMITTEES

## Organizing Committee

### ISBC

**Coordinator:** Vadim Viviani (CCTS, UFSCar)

**Vice-coordinator:** Cassius V. Stevani (IQ-USP)

**Secretary:** Iseli L. Nantes (UFABC)

**Treasurer:** Brazilian Soc. Biochemistry and Molecular Biology (SBBq: [sbbq@sbbq.org.br](mailto:sbbq@sbbq.org.br))

### ISLS

**Coordinator:** Oscar L. Malta (Departamento de Química Fundamental da UFPE)

**Vice-coordinator:** Rogéria Rocha Gonçalves (Departamento de Química, FFCLRP-USP)

## Local Scientific Committee

### (ISBC)

Etelvino Bechara (IQ-USP)

Josef Wilhelm Baader (IQ-USP)

Fernando Bortoloni (IQ-USP)

### (ISLS)

Alfredo Simas (Federal University of Pernambuco, Brazil)

Ana Pires (São Paulo State University, Brazil)

Antônio Borin (University of São Paulo, Brazil)

Beate Saegesser (Federal University of Pernambuco, Brazil)

Carlos Jacinto (Federal University of Alagoas, Brazil)

Cid Araújo (Federal University of Pernambuco, Brazil)

Cláudia Felinto (Nuclear and Energy Research Institute, Brazil)

**Danilo Manzani (University of São Paulo, Brazil)**

Ercules Teotonio (Federal University of Paraíba, Brazil)

Fernando Sigoli (University of Campinas, Brazil)

Hermi Brito (University of São Paulo, Brazil)