

> CALL FOR PAPERS

All those intending to participate in the 4th International IUPAC Conference on Green-Sustainable Chemistry are invited to present their scientific ideas and results to the given topics.

Submission is possible only online at:
www.congresscentral.com.br/sbq/ufscar/icgc4/abstracts.php#abstract-submission

Please compose your abstract following the instructions given on the internet and the template abstract carefully, as there will be no revision or corrections made by the editorial team. The technically proper receipt of your abstract will be notified within days by e-mail. The Organizing Committee and the International Advisory Board reserve the right to accept or reject contributions, to decide on oral or poster presentation, and to re-assign them to different topics.

DEADLINE FOR ORAL AND/OR POSTER PRESENTATIONS → 15.05.2012

> REGISTRATION FEES

(ALL FEES IN BRAZILIAN REAIS - R\$)

Registration Type	Early Registration by May 15, 2012	Registration as of May 15, 2012
Full Registration	R\$ 675.00	R\$ 787.50
IUPAC Member	R\$ 607.50	R\$ 712.50
Post-doc	R\$ 375.00	R\$ 450.00
Student	R\$ 300.00	R\$ 375.00
Banquet Dinner Ticket ¹	R\$ 80.00	R\$ 80.00

All Registrations include: Program Book, Opening Reception, Coffee breaks, and Lunches (August 26, 28 and 29, 2012)².

> CONFERENCE DESTINATION

Foz do Iguaçu is located in the heart of South America on the border of Brazil, Argentina, and Paraguay, and is one of the most beautiful tourist destinations in Latin America, with incomparable natural richness. The Iguaçu Falls consisting of approximately 257 individual falls over 2.7 km were chosen as one of the new natural Seven Wonders of the World. Iguaçu River is born in Paraná state in Brazil, and after crossing 1,200 km on a plateau where it receives several affluents, it reaches a fault forming a crack in the interleaved layers of sandstone and basalt where the river runs. This river runs through a smooth geography until it reaches a series of faults, and suddenly an 80 m canyon in the Devil's Throat where the water produces a thundering sound and then drains into the Parana River.

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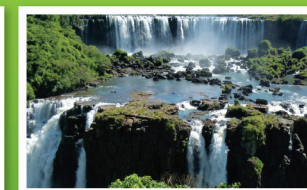
AUGUST 25-29, 2012 • FOZ DO IGUAÇU, BRAZIL



4th International IUPAC Conference on
GREEN CHEMISTRY



Conference Venue:
Mabu Thermas & Resort



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www.congresscentral.com.br/sbq/ufscar/icgc4

> INVITATION

The IUPAC and SBQ are going to organize the 4th International IUPAC Conference on Green-Sustainable Chemistry – IUPAC 4th ICGC to be held in Foz do Iguacu, Brazil, from August 25 to 29, 2012.

> ORGANIZING COMMITTEE

Arlene G. Corrêa – Chair

Federal University of São Carlos (UFSCar), Brazil

Vitor Ferreira – Vice-Chair

Fluminense Federal University (UFF), Brazil

Patricia Vazquez – Vice-Chair

Conicet, National University of La Plata (UNLP), Argentina

Vânia G. Zuin – Secretary General

Federal University of São Carlos (UFSCar), Brazil

Adriano Andricopolo

University of São Paulo (USP), Brazil

Jailson Bittencourt de Andrade

Federal University of Bahia (UFBA), Brazil

Fernando Galembeck

Executive Secretary of Brazilian Chemistry Committee for IUPAC, Campinas State University (UNICAMP), Brazil

This meeting is the fourth one of the IUPAC Series Conference dedicated to Green Chemistry. It deals with all aspects of environmentally benign and sustainable chemistry filling the gap between research and technology in this field and thereby stimulating closer linkage between academia and industry. Abstracts will be reviewed by the Scientific Committee and some of them will be selected for further publication as full paper in qualified journals or books. The conference will take place under the auspice of IUPAC and the Brazilian Chemical Society (SBQ).

> CONFERENCE VENUE

The 4th ICGC will be held at the Mabu Thermas & Resort, a fine hotel very near the Iguacu National Park, in the way of all the wonderful natural attractions, eco-tours and adventure, shows and the wonders of the Iguacu Falls. The large Centre for Congresses and Exhibitions greatest differential is the Mabu Thermas & Resort itself, which offers to event-focused guests all of its leisure facilities: restaurant, piano bar, brasseries, café, bar, as well as the thermal water fountains and a large area for sports and leisure, together with a specialized entertainment team. We invite you cordially to participate in the 4th ICGC.

> TOPICS

BENIGN SYNTHESIS/ PROCESS

Catalysis
Solvents
Reagents
Analytical methods
Synthetic Strategies

GREEN CHEMISTRY FOR ENERGY PRODUCTION

Fuels from Biomass
Hydrogen, fuel cells

CHEMICALS FROM RENEWABLES

Biomass
Waste materials
CO₂ recycling
Responsible use of biodiversity

GREEN ENGINEERING

Process Intensification
Energy Savings
Separations and Unit Operations
Reducing water usage

EDUCATION IN GREEN CHEMISTRY AND ENGINEERING

Formal and informal education
Outreach

POLICY

Corporate Policy
Governmental Policy
NGO's

> PLENARY LECTURES

PAUL ANASTAS

*Assistant Administrator ORD/
Science Advisor, US EPA, USA*

JAMES CLARK

University of York, UK

JAIRTON DUPONT

University of Rio Grande do Sul, Brazil

BUXING HAN

Chinese Academy of Sciences, China

ADELIO MACHADO

Porto University, Portugal

ANITA MARSALIOI

University of Campinas, Brazil

ROBIN ROGERS

University of Alabama, USA

KARL BARRY SHARPLESS

*(The Nobel Prize in Chemistry 2001)
Scripps Research Institute, USA*

ROGER SHELDON

Delft University, the Netherlands

RAJENDER S. VARMA

EPA, USA

> INVITED LECTURES

Each parallel session will have an invited lecture (30 min. including Q&A) and 4 short presentations (15 min. including Q&A) selected by the scientific committee and chairs of the parallel sessions from the abstracts submitted by registration in the 4th ICGC.

Coordinator: Prof. Vitor Ferreira, UFF, Brazil.

NANOMATERIALS

CHAIR Edson Roberto Leite, UFSCar, Brazil

INVITED Nicholas Kotov, University of Michigan, USA

CONVERSION OF BIOMASS IN FEEDSTOCK

CHAIR Claudio A. Mota, UFRJ, Brazil

INVITED Harry Bitter, University of Utrecht, Netherlands

HOMOGENEOUS CATALYSIS

CHAIR Francisco A. Marques, UFPR, Brazil

INVITED José Cavaleiro, Aveiro University, Portugal

HETEROGENEOUS CATALYSIS

CHAIR Dilson Cardoso, DEQ-UFSCar, Brazil

INVITED Jiri Cejka, J. Heyrovsky, Academy of Sciences of the Czech Republic

BIOCATALYSIS AND BIOTRANSFORMATION

CHAIR David Gonzales, Udelar, Uruguay

INVITED Sonia Rodriguez, University of the Republic, Uruguay

ORGANOCATALYSIS

CHAIR Marcio Paixão, UFSCar, Brazil

INVITED Paolo Melchiorre, Institute of Chemical Research of Catalonia, Spain

MICROWAVE, ULTRASOUND AND FLOW CHEMISTRY TECHNOLOGY

CHAIR Rodrigo Souza, UFRJ, Brazil

INVITED Oliver Kappe, University of Graz, Austria

GREEN CHEMISTRY EDUCATION I

CHAIR Vânia Zuin, UFSCar, Brazil

INVITED Mary Kirchoff, Director, Education Division American Chemical Society, USA

GREEN CHEMISTRY EDUCATION II

CHAIR Paola Corio, USP, Brazil

INVITED Franz Rauch, Alpen-Adria University, Austria

GREEN SOLVENTS

CHAIR Carlos Andrade, UNB, Brazil

INVITED Phillip Jessop, Queen's University, Canada

GREEN INDUSTRIAL PROCESSES I

CHAIR Marcelo Kós, Abiquim, Brazil and Takashi Ushikubo, JACI, Japan

INVITED Takashi Ushikubo, Japan Association for Chemical Innovation, Japan

GREEN INDUSTRIAL PROCESSES II

CHAIR Fernanda Cordeiro, Petrobras, Brazil

INVITED Henrique Eisi Toma, University of São Paulo, Brazil

SEPARATIONS AND ANALYSIS

CHAIR Jailson Andrade, UFBA, Brazil

INVITED Pedro Afonso P. Pereira, Federal University of Bahia, Brazil

BIOFUELS

CHAIR Donato Aranda, UFRJ, Brazil

INVITED Fabio Ribeiro, Purdue University, USA

POLICY (WASTE, ENVIRONMENT AND ECONOMY)

CHAIR Fernando Assunção, PUC-RJ, Brazil

INVITED Clayton Campanhola, The Brazilian Agency for Industrial Development, the Ministry of Development, Industry and Foreign Trade