



# 10th MEDITERRANEAN CONGRESS ON CHEMICAL ENGINEERING

## CHEMICAL ENGINEERING FOR LIFE

Barcelona, 15-18 November 2005

WHERE THERE'S KNOWLEDGE,  
THERE IS EXPOQUIMIA

Organized by:



The 10th Mediterranean Congress on Chemical Engineering will take place in Barcelona, Spain, during the international fair of the Chemical Industry EXPOQUIMIA, from 15 to 18 November 2005.

It will go over all aspects and results related to the Chemical Engineering, from application in the emerging and related areas as Microengineering, Food and Biochemical Engineering, Product Engineering and Sustainable Development to the classic areas as Separation Technologies, Chemical Reactors and Processes. Besides, present and future of the professional career will be present in the Congress as main discussion theme.

### SCIENTIFIC PROGRAMME

#### Plenary Lectures

Trends in Chemical Engineering  
Green Technology  
Biotechnology  
Sensorial Analysis

#### 1. Chemical Reaction Engineering

Kinetics  
Catalysis  
Chemical Reactors

#### 2. Separation Techniques

Distillation, Absorption, Extraction  
Membrane Separation, Molecular Separation, Chromatography  
Separations at Extrem Conditions

#### 3. Applied Thermodynamics, Fluid Dynamics, Heat Transfer

Energy efficiency, Cogeneration, Rheology  
Thermodynamics and Transport Properties  
Mixing, Multiphase Flow and Fluid Flow Modelling

#### 4. Materials and Particle Technology

Solid Processing, Polymers, Ceramics, Composites  
Nanotechnology  
Encapsulation and Coatings

#### 5. Environmental Technology

Liquid and Gas Waste Treatment, Waste Minimisation  
Combustion and Waste Incineration  
Advanced Techniques for Waste Treatment  
Soil Remediation

#### 6. Sustainable Development, Risk Analysis and Environmental Impact

Clean Energy  
Biomass, Renewable Raw Materials  
Green Chemistry, Product Life Cycle Analysis, Waste Recycling

#### 7. Food Engineering

Physicochemical Properties of Foods  
Food Processes  
Food Safety  
Food Preservation

#### 8. Biotechnology and Biochemical Engineering

Applied Biocatalysis  
Bioreactors, Separation Processes, Integrated Bioprocesses  
Biomedical Applications, Bioinformatics.

#### 9. Product Engineering and Formulation

#### 10. Process Engineering

Process and Energy Integration  
Process Control, Optimisation  
CAPE, Industrial Safety

#### 11. Chemical Engineering Education

#### CONGRESS LANGUAGES

The official Congress Languages are Spanish, Catalan and English.

### COMMUNICATIONS SUBMISSION AND SELECTION

The selection of the submitted communications will be made as a basis of the DIN A4 one-page abstract of the work. The abstract has to be sent in electronic format, as a Microsoft Word file.

We strongly recommend to submit the abstract in English. Send it by email, as an attached file, before June 30, 2005 to the following address:  
mediterraneo@angel.qui.ub.es

Each abstract must be sent as a separated file. Detailed instructions will be available at the Congress website.

<http://www2.ub.edu/10mediterraneo/>

#### ABSTRACT INSTRUCTIONS

The abstract must follow the guidelines:

- Abstract title in bold capital letters - Times New Roman, 12 points.
- Line feed (single space).
- Name of authors and address, including telephone, fax and e-mail of the author presenting the communication - Times New Roman, 12 points.
- Line feed (single space).
- Scientific topic of the work, according to the Scientific Programme - Times New Roman, 12 points.
- Line feed (single space).
- Text allowing to evaluate the scientific and technical interest of the communication. The abstract may contain figures and bibliography. Graphical resolution for figures may not exceed 300 dpi - Times New Roman, 10 points.

### PRACTICAL INFORMATION

#### REGISTRATION FEES\*

|  | Until<br>9/30/05 | After<br>10/2/05 |
|--|------------------|------------------|
| General rate                               | €480             | €560             |
| SEQUI Associates and Expoquimia Exhibitors | €370             | €440             |
| Students (reduced rate)**                  | €160             | €180             |

\*VAT included.

\*\*The reduced rate is addressed to the PhD Students and young researchers. To benefit from it, they should submit by fax (+34 93 402 1291) or ordinary mail (10th Mediterranean Congress on Chemical Engineering - Martí i Franquès 1, planta 6 - 08028 Barcelona, Spain) a Certification issued by the Department Head indicating the student's

The inscription fees include:

- Access to Congress Sessions: conferences, communications, posters.
- Congress Documentation: Book of Proceedings, final program and list of participants.
- Coffee breaks.
- Free admission to EXPOQUIMIA, EQUIPLAST and EUROSURFAS.
- Closing cocktail

#### LUNCHES

Lunch tickets at special prices will be available for all participants in the congress.

#### SCIENTIFIC CONGRESS SECRETARIAT

Postal Address:

10th Mediterranean Congress on Chemical Engineering  
Chemical Engineering Department  
University of Barcelona  
Martí i Franquès 1, planta 6  
08028 Barcelona, Spain

Fax +34 93 402 1291  
e-mail mediterraneo@angel.qui.ub.es  
Website <http://www2.ub.edu/10mediterraneo/>

#### INSTRUCTIONS FOR REGISTRATION

All authors presenting papers should register before 30 June 2005 via internet by filling in the form at the website:

<http://www2.ub.edu/10mediterraneo/>

Full registration must be paid before 30 October 2005 by bank transfer accordingly to the instructions provided at the Congress website.

Authors interested in presenting their works are asked to strictly observe the presentation deadlines in order to lighten the program selection and elaboration tasks of the Scientific Committee.

#### IMPORTANT DEADLINES

6/30/2005

Abstract submission to:  
mediterraneo@angel.qui.ub.es

7/31/2005

Communication of the abstract acceptance to the authors

9/30/2005

End of reduced inscription fees period

11/15/2005

10:30-15:00 h: Poster set-up

16:30 h: Opening of the 10th MEDITERRANEAN CONGRESS ON CHEMICAL ENGINEERING

11/18/2005

13:30 h: Closing of the 10th MEDITERRANEAN CONGRESS ON CHEMICAL ENGINEERING

14:00-19:00 h: Poster removal

#### CONGRESS PROCEEDINGS

The Book of Proceedings will be published and distributed to the participants.  
Certificate of participation.