



25–27 June 2004, Belgrade, Serbia and Montenegro

COST840

and
Biochemical Engineering Society (BESB),
Belgrade

Organize

Expert's conference
"Applications of Immobilisation/
Bioencapsulation in Medicine, Pharmacy,
Food Technology and Biotechnology" and
COST Steering Committee Meeting

Program

June 25, 2004 (14:00 to 18:00)

Welcome and registration

Session 1: Immobilisation and microencapsulation: methods, materials, trends

Co-Chairs: Branko Bugarski and Denis Poncelet

Invited speakers:

Denis Poncelet, ENITIAA, France, *Trends in microencapsulation*

Bojana Boh, University of Ljubljana, Slovenia, *Microencapsulation: applications, patents and trends*

Artur Bartkowiak, University of Agriculture, Szczecin, Poland, *Microcapsules and coating technologies based on oligochitosans – formation, properties and potential applications*

Luis Fonseca, Technical University of Lisbon, Portugal, - *Enzyme encapsulation in biotechnology by reversed micellar systems*

Gorka Orive, University of the Basque Country, Vitoria, Spain, *Biocompatible microcapsules based on low Mw oligochitosan/alginate/Ca²⁺ system*

Matheus F.A. Goosen, University of Puerto Rico, *Application of electrostatics*

Session 2: Food applications

Co-Chairs: Tajalli Keshevarz and Viktor Nedović

Invited speakers:

Ronnie Willeart, Free University of Brussels, Belgium, *State of the art in immobilised cell technology for beer production*

Cristophe Lacroix, Swiss Federal Institute of Technology, Zurich, Switzerland, *Development and validation of a new model for intestinal fermentation with immobilized cells*

Atmane Madene, ENSAIA-INPL, France, *Freeze-dried encapsulation of pastry flavour with gum arabic and maltodextrins*

June 26, 2004 (10:00 to 17:00)

Session 3: Biomedical applications

Co-Chairs: Gordana Vunjak-Novakovic and Bojana Obradovic

Invited speakers:

Gordana Vunjak-Novaković, MIT, USA, *Cardiac tissue engineering*

Lorenz Meinel, Swiss Federal Institute of Technology, Zurich, Switzerland, *Tissue engineering of osteochondral plugs using human mesenchymal stem cells and silk scaffolds*

Ameer A. Guillermo, Northwestern University, USA, *Cell delivery in tissue engineering*

Elena Markvicheva, Russian Academy of Science, Moscow, Russia, *Bioencapsulated peptides, proteins, animal cells: preparation and applications in biomedical fields*

Vladimir Brušić, Institute for Infocomm Research, Singapore, *Computational models for molecular medicine*

Session 4: Environmental applications

Co-Chairs: Klaus Vorlop and Luis Fonseca

Invited speakers:

Tajalli Keshevarz, University of Westminster, UK, *Fungal immobilization for environmental application*

Constantinos A. Georgiou, Agricultural University of Athens, Greece, *Bioluminescent whole-cell biosensors*

Goran Jovanović, Oregon State University, USA, *Biosensors*

Session 5: Microencapsulation technologies and scale-up

Co-Chairs: Goran Jovanović and Ronnie Willaert

Invited speakers:

Klaus Vorlop, FAL, Germany, *Immobilisation technologies in lab and industry*

Vladimir Lozinsky, Russian Academy of Science, Moscow, Russia, *Diverse polymeric cryogels for the immobilization of molecules and cells*

Ulf Pruesse, FAL, Germany, *Round robin experiment of bead production with different technologies*

Poster session will be organized during breaks between the sessions.

June 27, 2004 (08:30 to 11:30)

COST 840 activities:

- WG meetings
- Management Committee meeting:
 - evaluation and filling of the techbook dataforms
 - build-up of new action
- preparation of Vitoria-Gasteiz meeting
 - selection of the papers for the final workshop

Meeting venue:

- Faculty of Civil Engineering (first conference day)
Bulevar Kralja Aleksandra 73, Belgrade
- Faculty of Technology (second and third conference days)
Karnegijeva 4, Belgrade

Both meeting places are very close each other and very close to Hotel Metropol (the distance between the faculties is less than 100 m)

ORGANISERS

COST in cooperation with:
Faculty of Technology and Metallurgy,
University of Belgrade
Biochemical Engineering Society, Belgrade,
Faculty of Agriculture, University of Belgrade,
Association of Chemical Engineers, Belgrade

Expert's conference is supported by
Ministry of Science and Environmental
Protection of
Republic of Serbia

Welcome group

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Organizing Committee

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Tatijana Duduković, Association of Chemical Engineers, Belgrade

Jasmina Milenković, Ministry of Science and Environmental Protection

Scientific Committee

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Gordana-Vunjak Novaković, MIT, USA

Klaus Vorlop, FAL, Germany

Tajalli Keshavarz, University of Westminster, UK

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Guidelines showing the required layout for the preparation of a camera-ready manuscript (COST/BESB work-shop) is on the <http://www.ache.org.yu/BES/conference.html>

Registration fee is 4.200 dinars and it includes Book of Proceedings, lunch, coffee and Cocktail. Make it payable before June 11th to

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