



**Committee of Chemical and Process
Engineering Polish Academy of
Sciences Biochemical Engineering
Section**

And

**Department of Bioprocess
Engineering, Lodz University of
Technology**

invite to participate in

12th SCIENTIFIC CONFERENCE "ADVANCES IN BIOREACTOR ENGINEERING"



**ADVANCES
IN
BIOREACTOR ENGINEERING
ŁÓDŹ 2015**

Łódź, September 2015 r.

Communication No. 1

Introduction

Since 1983, National Conferences "Advances in Bioreactor Engineering" have been organised under auspices of the Process and Chemical Engineering Committee of the Polish Academy of Sciences. Due to the rapid development of biotechnology, especially genetic engineering, there is a need to carry out the investigations in the area of bioreactor engineering. This conference is the nationwide and also international forum to exchange the opinions, share the obtained results and widen the knowledge in new trends of bioreactor engineering, biochemical engineering, metabolic engineering and lately systems biology.

Traditionally, we publish the presented papers both in conference materials and in Polish scientific journal:

„Inżynieria i Aparatura Chemiczna”

The titles of the papers to be presented are welcome at the moment. Full texts are expected before March 31st

The presented paper will be reviewed and published in the journal.

During the conference the presentation of new bio-technologies, control and analytical equipment for bioprocess engineering and bioreactors is planned.

**Organizing and Scientific Committee
Chairman**

Scope

- ☐ Unconventional bioreactors and their characteristics
- ☐ Transport phenomena of momentum, heat and mass transfer in bioreactors
- ☐ Bioprocesses kinetics
- ☐ Dynamics and control of processes in bioreactors
- ☐ Instrumentation and analytical methods in biotechnology
- ☐ Problems of products purification and separation in biotechnology
- ☐ Integrated processes of biosynthesis and separation of bioproducts
- ☐ Membrane techniques in biotechnology
- ☐ Bioreactors with immobilised enzymes and cells
- ☐ Application of bioreactors in the environmental engineering
- ☐ Engineering problems of wastewater treatment and disposal of industrial and agricultural wastes
- ☐ Energy from biomass
- ☐ Metabolic engineering
- ☐ Cell Engineering
- ☐ Systems biology



Scientific Committee

Chairman

Prof. dr hab. inż. Stanisław Ledakowicz, PŁ

Members

Dr hab. inż. Marcin Bizukojć, prof. PŁ
Prof. dr hab. inż. Katarzyna Chojnacka, PWr
Prof. dr hab. inż. Jerzy Długoński UŁ
Prof. dr hab. inż. Liliana Krzystek PŁ
Prof. dr hab. inż. Andrzej Noworyta, PWr
Prof. dr hab. Waldemar Rymowicz UPWr

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Chairman

Prof. dr hab. inż. Stanisław Ledakowicz, PŁ

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Dr inż. Katarzyna Paździor
Dr inż. Radosław Ślęzak
Mgr Ewa Stelmach
Mgr inż. Włodzimierz Krysztofczyk
Urszula Szalewska

Presentation Form

Participants are invited to submit original scientific abstracts for **oral** or **poster** presentation.

Persons who wish to take an active part in the conference are requested to send the titles and the full texts of research indicating the nature of the presentation.

At least one of the authors must attend the Conference.

Titles of a presentation (lecture and posters), please send via e-mail :

pib@wipos.p.lodz.pl to **31.12.2014**

Call For Papers

The papers will be reviewed and published in „**Inżynieria i Aparatura Chemiczna**” with ISBN number.

The detailed author instructions will be provided soon.

Note: the conference fee covers only one article per participant

Registration Fee

The registration fee is about **450 Euro** per participant.

This includes full accommodation, conference materials, lunches, snacks, coffee breaks, welcome reception and conference dinner.

Our address

12th NATIONAL SCIENTIFIC CONFERENCE
"ADVANCES IN BIOREACTOR ENGINEERING,"

Department of Bioprocess Engineering
Faculty of Process and Environmental Engineering
Lodz University of Technology

ul. Wólczańska 213
90-924 ŁÓDŹ, POLAND

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e-mail: bioproc@wipos.p.lodz.pl

Important Dates

30.11.2014 r. – communication No.2

31.12.2014 r. – submission of presentation titles

31.03.2015 r. – full texts submission

Detailed information can be obtained from
Katarzyna Paździor, PhD
phone/fax: 42 631 39 73,
e-mail: pib@wipos.p.lodz.pl

Venue

The place of the conference will be provided soon in details.

