



**Институт по инженерна химия  
Българска академия на науките**  
Организира

Научен семинар

**Метод за оценка на ефективността на пренос при  
интегрирани процеси в биореактор с мембранно  
разделяне**

10 -11 септември 2019 г.

в залата на Институт по инженерна химия, ул. „Акад. Г. Бончев“, бл. 103, вх. Б

по Проект № ДН07-11/15.12.16  
с финансовата подкрепа на  
Фонд Научни изследвания



# *Seminar FNI\_project ДН 07-11/15.12.2016*

*Sofia, 10-11 Sept. 2019*

## *Program*

1	Iren Tsibranska IChE (BAS)	<b>Introductory report on the state of research concerning the second phase of Contract No ДН 07/11/15.12.2016: “Method for assessment the transfer efficiency of integrated processes in bioreactor with membrane separation”</b>
2	Serafim Vlaev IChE (BAS)	<b>The efficiency of integrated bioreaction/separation processing</b> <i>CFD-assessment of transfer efficiency in a stirred bioreactor with submerged membrane module - a case of a simultaneous bioreaction and separation of biomass and fibrous polysaccharide product</i>
3	Daniela Dzhonova IChE (BAS)	<b>CFD Evaluation of Mass Transfer Distribution Heterogeneity along the Membrane-Liquid Interface in Stirred SMBRs</b>
4	Dessislava Moutafchieva UCTM	<b>Micro-macro approach for CFD simulation of submerged membrane module</b>
5	Bartosz Tylkowski CTQC	<b>Ultrasound-assisted extraction of biologically active compounds and their successive concentration by using membrane processes</b>
6	Iren Tsibranska IChE (BAS)	<b>Integrated extraction-nanofiltration process for separation and concentration of polyphenols from plant materials</b>
7	Konstanza Tonova IChE (BAS)	<b>Nanofiltration approach to the fractionation of carbohydrates and phenolics derived from aquatic plant material by hydrolysis</b>
8	Daniela Dzhonova IChE (BAS)	<b>CFD Simulation of Dead-End Filtration</b>
9	I.Tsibranska IChE (BAS)	<b>Effect of variable flux and rejection in membrane separation of polyphenols-containing natural extracts</b>