

**Иван Игорв Лесов** е завършил образователно-квалификационна степен „бакалавър“ специалност „Химия“, специализация „Теоретична химия и физикохимия“ и магистърска програма „Колоидни системи в съвременната наука и технология“.

От 2008 г. работи като химик-аналитик в катедрата по Инженерна химия във Факултет химия и фармация на Софийския университет „Св. Климент Охридски“.

В периода от 21 до 28 юни 2014 г., като член на целевата група по проект **BG051PO001-3.3.06-0040** „Изграждане на интердисциплинарни екипи от млади изследователи в областта на фундаменталните и приложни научни изследвания от значение за медицинската практика“ Иван Лесов участва в работата на 20-тия Международен симпозиум за повърхностно активни вещества в разтвори в гр. Коимбра, Португалия с доклад на тема: “Porous ceramics from surfactant-particle mixtures”.

### Основна област на научни изследвания

Получаване и стабилност на пени, емулсии и суспензии; Обемна реология на дисперсни системи

### Научни публикации

1. I. Lesov, S. Tcholakova, N. Denkov, Factors Controlling the Formation and Stability of Foams, Used as Precursors of Porous Materials, *Langmuir*, *submitted*
2. I. Lesov, S. Tcholakova, N. Denkov, Drying of Particle Loaded Foams for Preparation of Porous Materials: Mechanism and Theoretical Interpretation., *RSC Advances*, *Accepted*, DOI: 10.1039/C3RA44500C
3. A. Dekoninck, N. Denkov, I. Lesov, S. Tcholakova, K. Golemanov, WIPO Patent "High-performance thermal insulation materials". WO 2013/007958 A1
4. S. Tcholakova, I. Lesov, K. Golemanov, N. Denkov, S. Judat, R. Engel, T. Daner. Efficient Emulsification of Viscous Oils at High Drop Volume Fraction. *Langmuir* 2011, 27, 14783-14796.
5. S. Tcholakova, I. Lesov, K. Golemanov, N. Denkov, S. Judat, Drop Size in Concentrated Emulsions, Obtained by Rotor-Stator Homogenization. In *The Proceedings of 5<sup>th</sup> World Congress on Emulsions* 2010; Paper No. 1.1-53.

### Участия в научни проекти

1. Фонд научни изследвания, България
2. Фирма BASF, Германия
3. Фирма Saint-Gobain, Франция

## Участия в обучителни симпозиуми за студенти

1. ECIS training course: “Colloids and Medical Applications”, 2013, Sofia, Bulgaria
2. BASF Engineering Academy, 2012, Ludwigshafen, Germany
3. COST Action CM1101: “School on Surface Analytical Techniques”, 2012, Regensburg, Germany
4. COST Action D43: "Fluids and Solid Interfaces", 2011, Sofia, Bulgaria
5. AFM training course, 2010, Sofia, Bulgaria
6. COST Action P21: "The Physics of Droplets: Basic and Advanced Topics", 2010, Borovetz, Bulgaria

## Устни доклади

1. I. Lesov, S. Tcholakova, N. Denkov „Drying of particle-loaded foams for production of porous materials: Mechanism and theoretical modeling“, COST meeting, 3-5 September, Sofia, Bulgaria
2. I. Lesov, S. Tcholakova, N. Denkov „Mechanism of Drying of Silica-Stabilized Foams: Experiment and Theoretical Interpretation“, IV International Conference on Colloid Chemistry and Physicochemical Mechanics, 30 June-5 July, 2013, Moscow, Russia
3. I. Lesov, S. Tcholakova, N. Denkov “Mechanism of Drying of Silica-Stabilized Foams: Experiment and Theoretical Interpretation”, XI Chemistry National Conference for Students, 15-17 May, 2013, Sofia, Bulgaria
4. I. Lesov, S. Tcholakova, N. Denkov “Drying of Silica-Stabilized Foams: Experiment and Theoretical Interpretation”, 4-7 April, 2013, Pravetz, Bulgaria
5. I. Lesov, K. Golemanov, R. Petkova, M. Kovadjiiska, S. Tcholakova, N. Denkov, Formation and Stability of Foams Prepared by Concentrated Silica Suspensions, Eufoam 2012 Conference, 8-11 July, 2012, Lisbon, Portugal
6. I. Lesov, K. Golemanov, R. Petkova, M. Kovadjieva, S. Tcholakova, N. Denkov “Formation and Stability of Foams Prepared By Concentrated Silica Suspensions”, XI Chemistry National Conference for Students, May, 2012, Sofia, Bulgaria
7. N. Denkov, I. Lesov, S. Tcholakova “Formation and stability of foams, prepared by concentrated silica suspensions”, International Conference Advanced Functional Materials, 5-8 September, 2012, Riviera Resort, Bulgaria
8. N. Denkov, S. Tcholakova, I. Lesov “Mineral foams – role of surfactants and foaming procedures”, 20 September, 2011, Saint Gobain Research Center, Aubervilliers, France.
9. I. Lesov, M. Kovadjieva, S. Tcholakova, N. Denkov “Formation and Stability of Foams Prepared By Concentrated Silica Suspensions and Surfactant 2”, X Chemistry National Conference for Students, May, 2011, Sofia, Bulgaria
10. S. Tcholakova, I. Lesov, K. Golemanov, N. D. Denkov, S. Judat, “Drop size in concentrated emulsions, obtained by rotor-stator homogenization”, *5th World Congress on Emulsions*, 2010, Lion, France
11. I. Lesov, K. Golemanov, S. Tcholakova, N. Denkov “Drop Break up in Concentrated Emulsions“, IX Chemistry National Conference for Students, May, 2010, Sofia, Bulgaria

12. I. Lesov, K. Golemanov, S. Tcholakova, N. Denkov “Drop Break up in Concentrated Emulsions“, XI Meeting in Physics, February, 2009, Sofia, Bulgaria
13. I. Lesov, K. Golemanov, S. Tcholakova, N. Denkov “Drop Break up in Concentrated Emulsions”, VIII Chemistry National Conference for Students, May, 2009, Sofia, Bulgaria

## Пострепи

1. I. Lesov, S. Tcholakova, N. Denkov “Drying of particle Loaded Foams for Preparation of Porous Materials: Mechanism and Theoretical Interpretation”, ECIS, 2–6 September, 2013, Sofia, Bulgaria
2. M. Kovadjieva, I. Lesov, S. Tcholakova, K. Golemanov, N. Denkov “Formation and Stability of Foams Prepared by Concentrated Silica Suspensions and Amphoteric Surfactant, ECIS, 2–6 September, 2013, Sofia, Bulgaria
3. I. Lesov, K. Golemanov, S. Tcholakova, N. Denkov “Drop Size in Concentrated Emulsions, Obtained by Rotor-Stator Homogenization”, Eufoam Conference, 2010, Borovetz, Bulgaria