 **ПРОФЕСИОНАЛНА АВТОБИОГРАФИЯ**

**доцент д-р инж. Иво Георгиев Лалов**

**Професионален опит**

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| --- | --- |
| 2014 - | Доцент по научното направление 5.11. Биотехнологии |
| 2002 - 2014 | Главен асистент в катедра „ Биотехнология” , ХТМУ- София |
| 1999 - 2002 | Асистент в катедра „ Биотехнология”, ХТМУ- София |
| 2001 | Доктор по научна специалност 01.05.10 Биоорганична химия, химия на природните и физиологично активни вещества. |

**Преподавани дисциплини**

1. Биоорганична химия

2. Биотехнологични методи в екологията.

3. Възобновяеми източници на енергия.

**Ръководство на студенти (през последните 5г.)**

• дипломанти - степен бакалавър – 17

• дипломанти - степен магистър – 6

• докторанти – 1

**Публикации през последните 5 г. (2012-2017 г.)**

**Публикации в издания с импакт фактор**

1. М. Kamburov, I. Lalov. Preparation of chitosan beads for trypsin immobilization, Biotechnology & Biotechnological Equipment, 2012, 26, 156-163, IF – 0,622.

2. M. Kamburov, T. Ivanov, I. Lalov (2015) Immobilization of glucose oxidase on porous copolymer, *Bulg. Chem. Commun.*, , volume 47, 70-74. IF – 0,349.

3. T.V. Ivanov, I.G. Lalov, L. Yotova, (2015) Denitrification of wastewater with immobilized cells of *Pseudomonas denitrificans*, *Bulg. Chem. Commun*., volume 47, 64-69. IF – 0,349.

**Публикации в български списания**

1. [Lalov, I.](https://www.scopus.com/authid/detail.uri?origin=AuthorProfile&authorId=6701655074&zone=), Bozadzhiev, O. (2014) Biomethanation of wastewater from wood fiberboard industry in anaerobic multichamber reactor, *Journal of Chemical Technology and Metallurgy*,49, 2, 133-38.

**Публикации в пълен текст в конференции с международно участие**

1. Камбуров М., Лалов И. (2012) Изследване омрежването и активирането на хитозан с глутаров алдехид за имобилизиране на ензими, *Научни трудове на УХТ, “ Хранителна наука, техника и технологии -2012”*, т.LIX, 579-583.
2. Лалов И., Камбуров М., Бозаджиев О., Иванов T., Димитров И. (2012) Пречистване на отпадни води замърсени с тежки метали с помощта на модифициран хитозанов биосорбент, *Научни трудове на УХТ, “Хранителна наука, техника и технологии -2012”*, т.LIX, 595-600.
3. Лалов И., Камбуров М., Бозаджиев О. (2013) Пречистване на води отпадащи от производството на дървесно-влакнести плоскости, *Научни трудове „Хранителна наука, техника и технологии – 2013”*, т.LX, 911-916.
4. Камбуров М., Лалов И. (2013) Изследване афинитета на апротинина към имобилизиран върху хитозан трипсин, *Научни трудове „Хранителна наука, техника и технологии – 2013”*, т.LX, 1020-1024.
5. Иванов Т., Лалов И. (2013) Адсорбция на тежки метали с магнитни хитозанови композити, *Научни трудове на УХТ, “Хранителна наука, техника и технологии-2013”*, т.LX, 1051-1055.
6. Камбуров М., Иванов Т., Лалов И. (2014) Пречистване на „сурова” полидекстроза с имобилизирана глюкозооксидаза, *Научни трудове на университет по хранителни технологии – Пловдив,* том LXI, 474 – 479.
7. Камбуров М., Иванов Т., Лалов И. (2014) Получаване на синтетични носители за имобилизиране на ензими, *Научни трудове на университет по хранителни технологии – Пловдив,* том LXI, 480 – 484.
8. Т. Иванов, И. Лалов, Л. Йотова (2015) Денитрификация на отпадъчни води с биомаса от *Pseudomonas denitrificans*, *Научни трудове на Унивеситет по Хранителни Технологии – Пловдив,* том LXI, 536 – 539.
9. И. Лалов, М. Камбуров, Т. Иванов, П. Величкова (2015) Метод за оценка на биохимичния метанов потенциал на органични субстрати, *Научни трудове на Унивеситет по Хранителни Технологии – Пловдив,* том LXI, 540 – 545.

**Проекти (през последните 5г.)**

**А. Финансирани от Фонд „ Научни изследвания” ( продължителност 3 години)**

1. Многостепенна технология за получаване на захари от лигно-целулозна маса за биоетанол и енергийнои продукти ТК 02-22 (2010-2013) - член на научния колектив

**Б. Финансирани от Научния фонд на ХТМУ (продължителност 1 година)**

1. Научен проект № 11 059 “Пречистване на води замърсени с тежки метали посредством модифициран биосорбент фиксиран върху носител с магнитни свойства” – 2012.
2. Научен проект № 11 179 “Изследване на адаптационните способности на метаногенни консорциуми изолирани от различни източници.” – 2013
3. Научен проект № 11 121 “Получаване и охарактеризиране на магнитни хитозанови адсорбенти, с приложение за пречистване на отпадни води от тежки метали” – 2013.
4. Научен проект „Оценяване и оптимизиране на метаногенния потенциал на различни органични субстрати.” – 2014.
5. Научен проект № 11 483 “Генериране на биометан като потенциален възобновяем въглероден източник при денитрификация на отпадъчни води.” – 2015.

**Цитати (2012-2017)**

[**Lalov, I.**](https://www.scopus.com/authid/detail.uri?origin=AuthorProfile&authorId=6701655074&zone=)**, Bozadzhiev, O. (2014) Biomethanation of wastewater from wood fiberboard industry in anaerobic multichamber reactor, *Journal of Chemical Technology and Metallurgy*,49, 2, 133-138.**

1. [Mullai, P.](https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=8646800900&zone=" \o "Show author details), [Sobiya, E.](https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=56411942800&zone=), 2014, [Industrial phytopesticide wastewater treatment using methanogenic consortium](https://www.scopus.com/record/display.uri?eid=2-s2.0-84909981415&origin=resultslist&sort=plf-f&cite=2-s2.0-84896982586&src=s&imp=t&sid=5E7A7F4E85C190BC4454E535F20B4639.y7ESLndDIsN8cE7qwvy6w%3a710&sot=cite&sdt=a&sl=0&relpos=0&citeCnt=0&searchTerm=), [*International Journal of ChemTech Research*](https://www.scopus.com/source/sourceInfo.uri?sourceId=19700175055&origin=resultslist), 6(12), 4977-4983.

[**Kamburov, M.**](https://www.scopus.com/authid/detail.uri?origin=AuthorProfile&authorId=26658169600&zone=)**, [Lalov, I.](https://www.scopus.com/authid/detail.uri?origin=AuthorProfile&authorId=6701655074&zone=" \o "Show author details) (2012)** [Preparation of chitosan beads for trypsin immobilization](https://www.scopus.com/record/display.uri?eid=2-s2.0-84949781782&origin=resultslist&sort=plf-f&src=s&sid=5E7A7F4E85C190BC4454E535F20B4639.y7ESLndDIsN8cE7qwvy6w%3a70&sot=autdocs&sdt=autdocs&sl=17&s=AU-ID%286701655074%29&relpos=0&citeCnt=3&searchTerm=), ***Biotechnology and Biotechnological equipment*, 26, 156-163.**

1. [Loginova, O.O.](https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=57003123000&zone=), [Holyavka, M.G.](https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=57034317100&zone=), [Artyukhov, V.G.](https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=7004799341&zone=), 2015, [Physical, chemical, and kinetic properties of the heterogeneous biocatalyst on the basis of the trypsin immobilized on Chitosan’s matrix](https://www.scopus.com/record/display.uri?eid=2-s2.0-84949762199&origin=resultslist&sort=plf-f&cite=2-s2.0-84949781782&src=s&imp=t&sid=5E7A7F4E85C190BC4454E535F20B4639.y7ESLndDIsN8cE7qwvy6w%3a650&sot=cite&sdt=a&sl=0&relpos=1&citeCnt=0&searchTerm=), [*Russian Journal of Biopharmaceuticals*](https://www.scopus.com/source/sourceInfo.uri?sourceId=19700194018&origin=resultslist), 7(2), 13-16
2. [Srivastava, P.K.](https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=55426743200&zone=), [Anand, A.](https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=43161005200&zone=), 2014, [Immobilization of acid phosphatase from Vigna aconitifolia seeds on chitosan beads and its characterization](https://www.scopus.com/record/display.uri?eid=2-s2.0-84890823570&origin=resultslist&sort=plf-f&cite=2-s2.0-84949781782&src=s&imp=t&sid=5E7A7F4E85C190BC4454E535F20B4639.y7ESLndDIsN8cE7qwvy6w%3a650&sot=cite&sdt=a&sl=0&relpos=2&citeCnt=3&searchTerm=), [*International Journal of Biological Macromolecules*](https://www.scopus.com/source/sourceInfo.uri?sourceId=17544&origin=resultslist), 64, 150-154.

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2. [Fernández, J.A.](https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=55582066400&zone=), [Suan, A.](https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=57190024557&zone=), [Ramírez, J.C.](https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=57190020825&zone=), (...), [Pedroza, A.M.](https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=15766401400&zone=), [Daza, C.E.](https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=23480995500&zone=) (2016) [Treatment of real wastewater with TiO2-films sensitized by a natural-dye obtained from *Picramnia sellowii*](https://www.scopus.com/record/display.uri?eid=2-s2.0-84976527425&origin=resultslist&sort=plf-f&cite=2-s2.0-33644863885&src=s&nlo=&nlr=&nls=&imp=t&sid=5E7A7F4E85C190BC4454E535F20B4639.y7ESLndDIsN8cE7qwvy6w%3a770&sot=cite&sdt=a&sl=0&relpos=1&citeCnt=0&searchTerm=), [*Journal of Environmental Chemical Engineering*](https://www.scopus.com/source/sourceInfo.uri?sourceId=21100255493&origin=resultslist), 4(3), 2848-2856.
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4. [Barata, J.F.B.](https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=7006937223&zone=), [Pinto, R.J.B.](https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=23088617200&zone=), [Vaz Serra, V.I.R.C.](https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=55960764300&zone=), (...), [Sadocco, P.](https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=6602612964&zone=), [Freire, C.S.R.](https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=35264257600&zone=), (2016) [Fluorescent Bioactive Corrole Grafted-Chitosan Films](https://www.scopus.com/record/display.uri?eid=2-s2.0-84964613708&origin=resultslist&sort=plf-f&cite=2-s2.0-33644863885&src=s&nlo=&nlr=&nls=&imp=t&sid=5E7A7F4E85C190BC4454E535F20B4639.y7ESLndDIsN8cE7qwvy6w%3a770&sot=cite&sdt=a&sl=0&relpos=3&citeCnt=1&searchTerm=), [*Biomacromolecules*](https://www.scopus.com/source/sourceInfo.uri?sourceId=25780&origin=resultslist), 17(4), 1395-1403
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