

СПИСЪК НА ПУБЛИКАЦИИТЕ

На доц. Д-р Любов Константинова Йотова

Публикации до 29.09.1998г / свидетелство за научно звание –доцент N 19338, 07.12.1998г, ВАК, МС на РБ.

1. Krysteva M.A., Shopova B., L.Yotova, Karasavova M., Covalent binding of enzymes to synthetic membranes *Biotechnol. Appl. Biochem.*13,(1991), 106. /**IF 1.228**/
2. Krysteva M., Yotova L Multienzyme membranes for biosensors.*Journal Chem. Technol. Biotech.*54, (1992),13. /**IF 1.682**/
3. Kostov Y., Tzonkov S., Yotova L Dynamic model of an optical absorption-based pH biosensor.*Analyst*, 118, 987 -990, (1993). /**IF 3.761**/
4. Kostov Y., Tzonkov S., Yotova L., Krysteva M., . Membranes for optical pH sensors *Analytica Chim. Acta*, 280, 15-19 (1993)./ **IF 3.146**/
5. Ivanona N., Yotova L., Biotransformation of furfural by yeast cells, covalently bound to cellulose *Acta Biotechnol., (Environmental Engineering Science)*13, 79-82,(1993). **IF 1.039**
7. Krysteva M., Peev G., Yotova L., Study on the enzyme hydrolysis of waste photoemulsions *Acta Biotechnol., (Environmental Engineering Science)*7, 93-96,(1987). **IF 1.039**
8. Krysteva M., Blagov S., Yotova L., Spectrophotometric method of quantitative determination of immobilized protein to inert carrier, *Comptes rendus de l'Academie bulgare des Sciences*, 37,12 1657-1660, 1984). **IF 0.204**
9. Neikov A., Encheva E., Krysteva M., Yotova L. . Amperometric biosensor with liquid membrane,*Biotechnology Biotech. Eq.*8, 73-76, (1994).). **IF 0.291**

10. Encheva E., Yotova L. Analytical application of membranes with covalently bound glucose oxidase *Analytica Chim. Acta*, 299, 15th Dec. (1994), 171-177..). **IF 3.146**

11. Yotova L, Ivanov I., Simultaneous Immobilization of Glucose oxydase and Peroxydase to Urea Derivative of regenerated Cellulose granules, *Applied Biochemistry and Biotechnology*, 61, 277-287, 1996 ,). **IF 1.04**

12. M. Karasavova ., L.Yotova., Krysteva,M., Shopova B., A new type of thin asymmetric membranes for enzyme electrodes *Biotechnology and Biotechnol. Eq.*, 12, 110-115 ,1998). **IF 0.291**

13. Valchev I., Yotova L., Valcheva E., Kinetics of xylanase treatment of hard wood pulp, *Bioresource Technology*, 65, 96-8, (1998).(**IF 4.453**)

14. Йотова Л. Конверсия на нискомолекулни субстрати с помощта на ензими, ковалентно свързани към целулозни носители. Автореферат на дисертация за научната и образователна степен „доктор”, ноември ,1991.

/Забележка – представени са само публикации в международни списания с импакт фактор/

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Публикации след 29.09.1998г / свидетелство за научно звание –доцент N 19338, 07.12.1998г, ВАК, МС на РБ.

I. Публикации с импакт фактор

- 1 .**Yotova L.**, Tzibranska I., Tileva F., Markx G., GeorgievaN., Kinetic of the biodegradation of phenol in wastewaters from the chemical industry by covalently immobilized *Trichosporon cutaneum* cells. *J.Industrial Microbiology Biotechnology*, 36 2009, 367-372. IF **1.919**.
- 2 .Tileva F, **Yotova L.**, Markx G., Dielectric measurement of the resistance of *Trichosporon cutaneum* against toxic chemicals, *African Journal of Microbiology Research*, 1 (7), 2007, 117-120 IF **0.409**
- 3 **Yotova L.**, D. Marinkova, V. Mironova and R. Dulgerova, Investigation of formation, development and application of *Arthrobacter Oxydans* 1388 biofilm, *Biotechnology & Biotechnological Equipment*, 23, 2009, 823-826; IF **0.291**
- 4 . Dessislava Marinkova, Maria Bivolarska, Lyubomir Ahtapodov, **Lyubov Yotova**, Rosa Mateva, Tzvetan Velinov, Plasmon microscopy and imaging ellipsometry of *Arthrobacter oxydans* attached on polymer films, *Colloids and Surfaces B: Biointerfaces* 65, 2008, 276-280; . IF **2.79**

5. Velinov T., Asenovska Y., Marinkova D., **Yotova L.**, Stoicova S., Bivolarska M., Stavitskaya L., Total internal reflection imaging of microorganism adhesion using an oil immersion objective, *Colloids and Surfaces B : Biointerfaces* 88,2011, 407-412; **IF 2.79**

- 6 Marinkova D., Danalev., Sefaty S., **Yotova L.**, Caplain E., Griesmar P., Characterization of new titanium oxide polymer hybrid membranes for biofilm formation, *Phosphorus, Sulfur and Silicon an the related Elements*, 2011 – uder review, **IF 0.9**

7. Valcheva,E., I. Valchev , **L. Yotova**, “ Kinetics of enzyme action of Crtazyme NS-10 prior to bleaching of craft pulp” , *Biochemical Engineering Journal*, vol 7, pp 223-226, 2001. **IF 1.889**

8. Boeva-Spiridonova R, E. Petkova, N. Georgieva, **Yotova L.**, I. Spiridonov. Utilization of a chemical-mechanical pulp with improved properties from poplar Wood in the composition of parking papers. *BioResources*, 2(1), 34-40, 2007.**IF 1.418**

9. Betcheva R, H. Hadzhiyska, N. Georgieva, **Yotova L.**, Biobleaching of flax by degradation of lignin with laccase. *BioResources*, 2(1), 58-65, 2007. **IF 1.418**

10. Betcheva R, N. Georgieva, **Yotova L.**, I. Valchev, Ch. Chadjiska. Biotransformation of lignin in flax fibers by degradation with *Phanerochaete chrysosporium* and *Trichosporon cutaneum* R 57. *J. of Natural Fibers*. 4(4) 2007.**IF**

11. Georgieva, N., Boeva-Spiridonova, R., Spiridonov, I., Petkova, E., **Yotova, L.**, Application of improved chemical-mechanical pulp from poplar wood in the packing paper composition *Holz als Roh - und Werkstoff* 66 (1), pp. 75-76, 2008 . **IF 0.885**

12. **Yotova. L.**, I. Ivanov., . Kinetic studies and analytical application of cholesterol oxidase and peroxidase immobilized to synthetic polymer, in *Applied Biochemistry and Biotechnology*, 83, 141-151, 2000. **IF 1.04**

13. **L.Yotova**, I. Ivanov, ” Simultaneous immobilization of uricase and peroxidase to copolymer of acrylamide and acrylonitrile” , *Biotech. Bioequipment*, 16, 1, 104-109, 2002. **IF 0.291**

14. Zanolov, K., **Yotova L.**, M. Klapa , LC-MS QUANTIFICATION OF THYROID HORMONES, THEIR METABOLITES, AMINO ACIDS AND NEUROTRANSMITTERS IN LIVER TISSUE . *Biotechnology & Biotechnological Equipment*, 23, 2009, 923-928; **IF 0.291**

15. Danalev D., **Yotova L.**, Vezenkov L., Investigations of kinetic parameters in vitro of serine proteinases on the blood coagulation, *Peptide, protein lett.* 13 (6), 2006, 535-537. **IF 1.281**

16. D. L. Danalev^{1*}, **L. K. Yotova** Synthesis of model peptide substrates and investigation of the reaction of their phenylacetyl protecting group enzyme transformation by means of penicillin G acylase *Bulgarian Chemical Communications*, Volume 41, Number 2 (pp. 122–126) 2009

II. Публикации в международни списания без импакт фактор .

17. Tsibranska I., **Yotova L.**, Marx G., Tileva F., Modelisation de la biodegradation de phenol par *Tr.cutaneum* immobilise sur un support polymere synthetique, Journal of the University of Chemical Technology and Metallurgy, 37,5, 145-152, 2002.

18. Rangelova n., Georgieva N., Peshev D., **Yotova L.**, Nenkova S., Immobilization of *Tr.cutaneum* R57 cells onto methylcellulose/SiO₂ hybrids and biosorption of cadmium and copper ions, Bioautomation, 2009, 13, 221-230

19.. Georgieva, R. Betcheva, **L. Yotova**, H. Hadzhiyska. Application of *Phanerochaete chrysosporium* 1038 – Enzyme Complex and Laccase in Biobleaching of Flax Fibers.Int J. BioAutomation, Suppl. 1, 8, 2007, 154-161

20. **Yotova L.**, Mateva R., Toncheva N., Kinetics of enzyme biodegradation of new synthesized copolymers,Int J. Bioautomatios, 2, 65-69, 2005

21. Marinkova D., Yaneva S., **Yotova L.**, Mateva R., Biosensor for pesticides based on Valerolacton Copolymer,Int. J. Bioautomation, 8, 2007, 162-171.

22. Yaneva S., Marinkova D., **Yotova L.**, Samuneva B., Immobilization of Biocatalysts and Cells on Hybrid Membranes Syntheses on Sol –gel Method, Int. J.Bioautomation, 8, 172-183.2007

23. Marinkova D., Tzibranska I., **Yotova L.**, Georgieva N., An evaluation of kinetic parameters of cadmium and copper by Immobilized cells,Int. J. Bioautomation, 7, 2007, 46-56.

24. **Yotova L.**, Marinkova D., Mironova V., Ivanov T., Influence of Polymer Substratum onto *Arthrobacter Oxydans* 1388 Biofilm Formation, Int. J.Bioautomation, 2009, 13 issue 4, 211-220;

25. **Yotova L.**, Trifonova N., Vrabcheva T., Mironova V., Chuchuranova V., Investigation of the properties of covalent immobilized Anti-aflatoxin B1 Antibody on membranes from copolymer of polyacrylamide-polyacrylonitrile. *Int J BIOautomation* 14(3) 2010,187-196.

26. **Yotova L.**, Ivanov T., Mironova V., Chuchuranova V., Investigation of the properties of immobilized horseradish peroxidase on magnetic particles. *Int. J. Bioautomation*, 11 (suppl.) , 2008, 65-72

27. Yordanov D., Betcheva R., **Yotova L.**, Biotechnological treatment of effluent from the combined enzymatic ultrasound scouring of raw wool, *European Journal of Chemistry*, 1, 2010, 12-14.

28 Betcheva R., Yordanov D., **Yotova L.**, Enzyme assisted ultrasound scouring of row wool fibres. *J. of Biomaterial and Nanotechnology*, 2, 2011, 65-70.

29. Georgieva N., Yotova I., Betcheva R., Hadzhiyska I. Valchev

biobleaching of lignin in linen by degradation with *Trichosporon cutaneum*

R57 Journal of the University of chemical Technology and Metallurgy, **37,5**
2002, 145-152

30. Hasan Hasanov, Akmal Boboev, **Lyubov Yotova**, Sadritdin

Turabdjianov Effect of Hydrolysis Products of Different Proteins of

Wheat on Antioxidant Enzymes *INT. J. BIOAUTOMATION*, 2011,
15(1), 5-12

III. Публикации в сборници на международни конференции в пълен текст с редактор

31. Tzibranska I, **Yotova L**, M.Krysteva, Mathematical modelling of growing of covalently bound bacterial and yeast cells, *I.Bioprocess Systems '99, proc.* October 18-20, 1999, Sofia, Bulgaria, page, 24-29.

32.**YotovaL**, I. Ivanov, D. Bojinova, “ Kinetic studies of a reaction catalyzed by lipoxygenase isolated from *Penicillium* “, *BioPS*, vol 4 , pp 18-22, 2001.

33. **Yotova L**, G.Markx, F.Tileva, N.Ivanova, “ Biodegradation of phenol by yeast cells covalently immobilized to synthetic polymer granules”, *BioPS*, vol 4, pp 24-28, 2001.

34. Georgieva N., Barbutova D., Tzibranska I., Tileva F., **Yotova L., E of** *Trichosporon cutaneum* effect of copper on growth *Trichosporon cutaneum*. *BioPS Oct. 1-3, 2001*

35.**Yotova L.**, Mdrinkova D., Application of immobilized lipoxygenase in biosensors design for aflatoxin B1,. *Biops 08* , 2008, III p 37-46.

36. **Yotova L.**, Danalev D., Vezenkov L. Investigation of Kinetic Parameters *in Vitro* of Serine Proteinases Included in the Blood Coagulation Cascade

Proceeding of International Symposium BioPS'2005, October 25-26, Sofia, III.13-III.20

37. Danalev D.,**Yotova L**, Vezenkov L., Investigation of the inhibiting effect of

Phe-Ile—Arg-Pro-Lys-Arg-Lys on the serine proteinases included in the blood coagulationj cascade

.Bulgarian Chemical Communications, Volume 38, Number 1 (pp. 3–6)

2006, Proceeding of 4-th Bulgarian Peptide Symposium

38. Danalev D., Ringearд J.M., Sefaty S., Heurou J. Y., Caplain E., **Yotova L.**,

Griesmar P., Synthesis of new polymer matrices including amino acids

Peptides, Proceedings of the 31-th European Peptide Symposium, 2010, pp 70-71

IV. Книги и учебни помагала

39 . **Yotova Lyubov**, Ivo Grabchev, Rossica Betcheva and Dessislava Marinkova, M.V. Magni (ed.), Smart Biosensors for Determination of Mycotoxines in *Detection of Bacteria Viruses, Parasites and Fungi*, NATO Science for Peace and Security Series A: Chemistry and Biology, DOI 10.1007/978-90-481-8544-3_17, © Springer Science+Business Media B.V. 2010

40. **Йотова Л.** Добрев И., Иванов И. Практикум по биохимия, Diagnosis press, 2000.

На електронен носител за дистанционно обучение

42. **Yotova L.**, Biotech ODL Module Determination of enzyme parameters, BIOtechunte, University of Perugia, (ed. M. Magni) 2007

43. **Yotova L.**, ODL Module BIOSENSORS BIOtechunte, University of Perugia, (ed. M. Magni) 2010

Участие в постерни сесии и пленарни доклади на научни форуми

1.D. Marinkova, **L.Yotova**, M.Bivolarska, T. Velinov, Development and application of *Arthrobacter oxydans* and *Pseudomonas species* biofilms, 34th FEBS Congress, July 4-9, 2009, Prague Czech Republic

2.Marinkova D., Bivolarska M., Velinov T., **Yotova L.**, Mateva R., Visualization of *Arthrobacter Oxydans 1388* biofilm, Science Conference, UCTM, Sofia, Bulgaria, May, 2007, Poster presentation;

3.D. Marinkova, M. Bivolarska, Tz. Velinov, **Yotova L.**, Development and application of *Arthrobacter Oxydans* and *Pseudomonas species* biofilms, VIth scientific poster session, University of chemical technology and metallurgy, 21 May 2009, poster presentation;

5.Yotova L., Marinkova D., Mironova V., Ivanov T., Influence of Polymer Substratum onto *Arthrobacter Oxydans 1388* Biofilm Formation, First national conference with international participation on biomedical and bioprocess engineering BM&BPE'09, December 3-4, 2009, Sofia, Bulgaria report

6. **Yotova L.**, Velinov T., Mateva R., Toncheva N., Application of new synthetic block copolymer in biofilm and biosensor design – COST MC Meeting, Sitges Spain April 16-17, 2007 bookleted by G. Gubitx and Tz, Tzanov- **пленарен доклад**

7. **Yotova L.**, Yaneva S., Marinkova D., Samuneva B., New hybrid polymer membranes for biosensor design – COST MC Meeting, Graz, Austria, September 12-14, 2007, book of abstracts ed., By G. Gubitx

8. **Yotova L.**, Marinkova D., Danalev., SefatyS., Caplain E., GriesmarP., Influence of the structure of nanohybrid polymer materials onto biofilm formation , COST action 868 conference, Sept. 2-3 Crete, Greece 2010- **пленарен доклад**

9. **Yotova L.**, New nanocomposite materials for biosensor design. 7thInternational Conference on Polymer and Textile Biotechnology, March, 2-4, 2011, Milan , Italy.

10.Lyubov Yotova, Dancho Danalev, Stephan Serfaty, Emanuel Caplain, Pascal Griesmar, Ivan Stoychev Investigation of *Pseudomonas Species 1625* biofilm

formation onto matrixes based on new hybrid membranes containing titanium,
Dessislava Marinkova , 6-eme Colloque Franco – Roumain de Chimie Appliquee, 7-
10 July, 2010, Orleans, France

11 Zanol, **L. Yotova** and M. Klapa, Optimizatoion of a high-throughput

methodology for tissue analysis of thyroid hormones using Liquid Chromatography-
Mass Spectrometr, **8th Panhelenic Clinical Chemistry Condgress, Patras, October
2-4 2009**

12.Zanol K.,**Yotova L.**, Klapa M.,Developing experimental protocol for tissue
analysis of thyroid hormones and their metabolites using Liquid Chromatography-
Mass Spectrometry , **34th FEBS Congress, July 4-9, 2009, Prague Czech Republic**

13. Zanol K.,**Yotova L.**, Klapa M High-throughput quantification of thyroid
hormones and their metabolites using liquid chromatography mass-spectrometry,
Science Conference, UCTM, Sofia, Bulgaria, May, 2009, Poster presentation;

13. V. Mironova, **L. Yotova**, G. Tsutsumanova, S. Russev, I. Grabchev, Mycotoxins
biosensors based on polymer structures suitable for optical detection, 34th FEBS
Congress, July 4-9, 2009, Prague, Czech Republic poster

14. **Yotova L.**, BIOSENSORS FOR DETERMINATION of AFLATOXINES in
FOODS, Младежка научна конференция „Климентови дни” СУ, ноември 2010

15. **Lyubov Yotova** Influence of the structure of nanohybrid polymer materials
onto biofilm formation,European Biotechnology Congress, Sept.28- Oct1, 2011,
Istambul Turkey- **пленарен доклад.**

16.Hend Said s,asla Yaneva Lyubov Yotova Synthesis of membranes for optical
biosensor desigh and phenol derivatives detection , VIII Научна постерна сесия,
ХТМУ, 2011.

17.Amany Fathy , Nourelhoda Medhat, Lyubov Yotova Sol –gel hybrid membranes
for optical biosensors, VIII Научна постерна сесия, ХТМУ, 2011.

18. Nourelhoda Medhat, Spaska Yaneva, Lyubov Yotova, Studying properties of
glucose oxidase q immobilized onto sol-gel hybrid membranes, , VIII Научна
постерна сесия, ХТМУ, 2011.

19.Spaska Yaneva, Lyubov Yotova, Design of optical biosensors for xenobiotic
detection VIII Научна постерна сесия, ХТМУ, 2011.

