

LISTA DE LUCRĂRI ȘTIINȚIFICE

A) Articole ISI publicate in extenso :

1. Anca Florea, Mihaela Tertis, **Luminița Fritea**, I.O. Marian, R. Săndulescu, Cecilia Cristea, *Designing polymer-based immunosensing platforms for cancer biomarker detection*, e-Health and Bioengineering Conference 2013 Proceedings, ISBN: 978-1-4799-2372-4 DOI:10.1109/EHB.2013.6707247; **(ISI Proceedings)**

2. **Luminița Fritea**, Mihaela Tertiş, Tamara Liana Topală, Robert Săndulescu, *Electrochemical and spectral study of cyclodextrins interactions with some pharmaceutical substances*, Farmacia, 2013;61(6):1054-1068. **(ISI Impact Factor 1.251)**

3. **Luminița Fritea**, Mihaela Tertiş, Cecilia Cristea, Robert Săndulescu, *New β -Cyclodextrin Entrapped in Polyethyleneimine Film-Modified Electrodes for Pharmaceutical Compounds Determination*, Sensors 2013;13:16312-16329. **(ISI Impact Factor 2.048)**

4. **Luminița Fritea**, Fatima Haddache, Bertrand Reuillard, Alan Le Goff, Karine Gorgy, Chantal Gondran, Michael Holzinger, Robert Săndulescu, Serge Cosnier, *Electrochemical nanopatterning of an electrogenerated photosensitive poly-[trisbipyridinyl-pyrrole ruthenium(II)] metallopolymer by nanosphere lithography*, Electrochemistry Communications 2014;46:75–78; **(ISI Impact Factor 4.847)**

5. **Luminița Fritea**, Mihaela Tertiş, Cecilia Cristea, Serge Cosnier, Robert Săndulescu, *Simultaneous Determination of Ascorbic and Uric Acids in Urine Using an Innovative Electrochemical Sensor Based on β -Cyclodextrin*, Analytical Letters, 2015;48(1):89-99. **(ISI Impact Factor 1.031)**

6. **Luminița Fritea**, Anca Florea, Mihaela Tertis, Robert Sandulescu' Cecilia Cristea, *Polymers based nanostructures for innovative bio and immunosensors development*, International Conference on Advancements of Medicine and Health Care through Technology "MediTech 2014" Proceedings, Simona Vlad, R.V. Ciupa (Eds), Springer, vol. 44, 129-134 ISBN 978-3-319-07652-2. **(ISI Proceedings)**

7. Adela Maghear, Mihaela Tertis, **Luminița Fritea**, Iuliu O. Marian, Emil Indrea, Alain Walcarius, Robert Sandulescu, *Tetrabutylammonium-modified clay film electrodes: Characterization and application to the detection of metal ions*, Talanta. 2014;125:36–44. **(ISI Impact Factor 3.511)**

8. Mihaela Tertis, Oana Hosu, **Luminița Fritea**, Andreea Cernat, Cosmin Farcau, Robert Săndulescu, Cecilia Cristea, *A Novel Label-free Immunosensor Based on Activated Graphene Oxide for Acetaminophen Detection*, Electroanalysis. 2015;27(3):638-647. **(ISI Impact Factor 2.138)**

9. **Luminița Fritea**, Mihaela Tertis, Serge Cosnier, Cecilia Cristea, Robert Săndulescu, *A novel reduced graphene oxide/ β -cyclodextrin/tyrosinase biosensor for dopamine detection*. International Journal of Electrochemical Science. 2015;10:7292-7302. **(ISI Impact Factor 1.500)**

10. **Luminița Fritea**, Alan Le Goff, Jean-Luc Putaux, Mihaela Tertis, Cecilia Cristea, Robert Săndulescu, Serge Cosnier, *Design of a reduced-graphene-oxide composite electrode from an electropolymerizable graphene aqueous dispersion using a cyclodextrine-pyrrole monomer. Application to dopamine biosensing*. Electrochimica Acta. 2015;178:108-112. **(ISI Impact Factor 4.504)**

11. **Luminița Fritea**, Pierre Audebert, Galmiche L, Karine Gorgy, Alan Le Goff, Robert Săndulescu, Serge Cosnier. *First occurrence of tetrazines in aqueous solution. Electrochemistry and fluorescence*. ChemPhysChem. 2015; 16 (17):3695-3699. **(ISI Impact Factor 3.419)**

B) Articole publicate in extenso:

1. Ioana Dohotar, **Luminița Fritea**, Eleonora Marian, Tunde Jurca, Laura Vicaș, *Sinteza și caracterizarea unor complecsi de incluziune ai teofilinei cu β -ciclodextrina*, Zilele Medicale Oradene, Secțiunea Farmacie, Noi direcții de cercetare în domeniul farmaceutic, Editura Universității din Oradea, Oradea, 2011, 22-33, ISBN 978-606-10-0345-7.

2. Ioana Dohotar, Eva Bagoși, **Luminița Fritea**, Diana Fritea, Tifur Fawzi, *Consumul drogurilor in randul tinerilor*, Din preocupările profesorilor..., Editure Aureo, Oradea, 2011, 126-132; ISBN 978-606-92796-4-9.

C) Capitole/monografii in carti de specialitate:

1. **Luminița Fritea**, Mihaela Tertis, Robert Săndulescu, *Applications of Cyclodextrins in Biomedical Electrochemistry*, in: Cyclodextrins: Synthesis, Chemical Applications and Role in Drug Delivery. Nova Science Publishers, Inc. USA. 2015, 45-84, ISBN 978-1-63482-788-1.
2. Andreea Cernat, Mihaela Tertis, **Luminița Fritea**, Cecilia Cristea, *Graphene in Sensors Design*, in: Advanced Materials Book Series, Scrivener Publishing and co-published with John Wiley & Sons, USA, 2016, submis.

D) Teza de doctorat :

NOI ELECTROZI MODIFICAȚI CU CICLODEXTRINE CU APLICAȚII FARMACEUTICE ȘI BIOMEDICALE

Doctorat in co-tutela sub coordonarea Prof. Dr. Robert Sandulescu (Universitatea de Medicina si farmacie Iuliu Hatieganu, Cluj-Napoca, Romania) si Prof. Dr. Serge Cosnier (Universitatea Joseph Fourier, Grenoble, Franta)

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