

**LISTA DE LUCRARI**

Munteanu Florentina-Daniela – Dr. din 2002, Profesor Universitar din 2008, abilitare din 2018

**1. Teza de doctorat: Munteanu F-D.**, 2002, *Studies of Electrocatalytic Reactions of NADH at Mediator Modified Electrodes and of H<sub>2</sub>O<sub>2</sub> at Peroxidase Modified Electrodes*, Conducător științific: Prof. Univ. Dr. Lo Gorton, Universitatea Lund, Suedia

**2. Cărți / cursuri publicate în edituri recunoscute sau pe plan local, îndrumare publicate/culegeri de probleme, cursuri proprii pe Web, prin care se aduc contribuții la dezvoltarea activităților didactice / profesionale**

1. **Florentina-Daniela Munteanu**, *Studies of Electrocatalytic Reactions of NADH at Mediator Modified Electrodes and of H<sub>2</sub>O<sub>2</sub> at Peroxidase Modified Electrodes*, 2002 (ISBN 91-7422-005-5), KFS Lund, Universitatea Lund Suedia
2. **Munteanu Florentina-Daniela**, *Fundamental and Applied Research on Recombinant and Wilde type Horseradish Peroxidase Based Biosensors*, Tipografia Universității Lund, Suedia 1997
3. **Munteanu Florentina-Daniela**, Adina Maria Bodescu, *Chimia Mediului: Noi teoretice, aplicative și numerice*, Editura Universității Aurel Vlaicu, 2008 (ISBN 978-973-752-232-0)
4. Annika Lindgren, Tautgirdas Ruzgas, Leonard Stoica, **Florentina-Daniela Munteanu**, and Lo Gorton *Cellobiose Dehydrogenase and Peroxidase Biosensors for Determination of Phenolic Compounds in Chemical and Biological Sensors for Environmental Monitoring*, A. Mulchandani and O. A. Sadik (Eds), ACS Symposium Series, vol. 762, 113.

5. **Munteanu Florentina-Daniela**, Nicolae Dinc , Artur Cavaco-Paulo, *MALDI-ToF Mass Spectrometry in Textile Industry*, Springer Verlag, ISBN 978-1-4020-8811-7
6. **Munteanu Florentina-Daniela**, No iuni de chimia mediului, <https://core.uav.ro/learning-cursuri?folder=dec603d0dacc791b2287&action=list>
7. **MunteanuFlorentina-Daniela**, Elemente de electrochimie i coroziune, [https://core.uav.ro/learning-cursuri?form\\_submitted=1&folder=dec203d1dac5e2bf18d1](https://core.uav.ro/learning-cursuri?form_submitted=1&folder=dec203d1dac5e2bf18d1)
8. **Munteanu Florentina-Daniela**, Gestiunea substan elor chimice periculoase, <https://core.uav.ro/learning-cursuri?folder=dec203d0dacd9a71fb79&action=list>
9. Ioan Calinovici, **Florentina-Daniela Munteanu**, Monica Lungu, Virgil Ciutin , Strategia de Combatere a plantelor invazive, <http://sesil.eu/ro>

### Lucr ri indexate ISI/BDI

1. Valentin Burc , Luiuella Magdalena Csorba, **Florentina-Daniela Munteanu**, Sergiu Rusu, The Romanian consumers' perception regarding the safety of dietary supplements, *Journal of Public Health-Heidelberg*, **2021**, [WOS:000605755400017](#)
2. Claudiu tefan Ursachi, Simona Perța-Cri an, **Florentina-Daniela Munteanu**, Strategies to Improve Meat Products' Quality, *Foods*, 9(12), 1883, **2020**, [WOS:000602121900001](#)
3. Simona Gavrilă , Claudiu- tefan Ursachi, Mihaela Dochia, Simona Perta-Cri an, **Florentina-Daniela Munteanu**, The Influence Of Different Vacuum Impregnation Solutions On The Colour Of Fresh-Cut Apple Slices, *Scientific Study & Research. Chemistry & Chemical Engineering, Biotechnology, Food Industry*, 21(4), 523-5312, **2020**, [WOS:000596118000007](#)
4. Sabina Gabriela Ion, Teodor Brudiu, Anamaria Hanganu, **Florentina Munteanu**, Madalin Enache, Gabriel-Mihai Maria, Madalina Tudorache, Vasile Parvulescu, *Molecules*, 25(21), 4921, **2020**, [WOS:000589401900001](#)
5. N stuneac, V.; Panainte-Leh duș, M.; Moșneguțu, E.F.; Gavrilaş, S.; Cioca, G.; **Munteanu, Florentina-Daniela**, Removal of Cypermethrin from Water by Using *Fucus Spiralis* Marine Alga. *International Journal of Environmental Research and Public Health* **2019**, *16*, 3663, doi:10.3390/ijerph16193663.

6. N stuneac, Violeta, Gavrilas, Simona, **Munteanu, Florentina-Daniela**, Assessment of the Water Quality in Siret Hydrographic Basin, Scientific Study and Research-Chemistry and Chemical Engineering Biotechnology Food Industry, 2019, 20 (3), 471-480, [WOS:000489234500012](#)
7. **Munteanu, Florentina-Daniela**; Titoiu, A.M.; Marty, J.-L.; Vasilescu, A. Detection of antibiotics and evaluation of antibacterial activity with screen-printed electrodes. Sensors (Basel, Switzerland) 2018, 18. [WOS:000428805300222 \(IF 2,677\)](#)
8. Bucur, B.; **Munteanu, Florentina-Daniela**; Marty, J.-L.; Vasilescu, A. Advances in enzyme-based biosensors for pesticide detection. Biosensors 2018, 8. [WOS:000435137200001](#)
9. **Munteanu, Florentina Daniela**; Sanislav, Andreia; Stanescu, Michaela Dina, *Coupled Electrochemical and Enzymatic Degradation of Two Anthraquinone Dyes*, Revue Roumaine de Chimie, 2015, 60, 2-3, 233-239, [WOS:000360325400014 \(IF 0,250\)](#)
10. Sirghie, Cecilia; Bodescu, Adina-Maria; Botar, Alexandru; Cavaco-Paulo Artur, **Munteanu Florentina-Daniela**, Characterization of ligno-cellulosic materials bleached with oxo-diperoxo-molybdates, Carbohydrate Polymers, 2013, 98, 1, 490-494, [WOS:000325835600064 \(IF 3,916\)](#)
11. Margarida M. Fernandes, Andreia C. Gomes, Andreia Vasconcelos, **Florentina-Daniela Munteanu**, Tzanko Tzanov, Maria Sameiro T. Gonçalves, Nicole End, Kai-Uwe Schoening, Georg M. Guebitz and Artur Cavaco-Paulo, *Protein disulphide isomerase-assisted functionalization of keratin-based matrices*, Applied Microbiology and Biotechnology, 2011, 90 4, 1311-1321, [WOS:000290574700012 \(IF 3,425\)](#)
12. Munteanu, Florentina-Daniela; Cavaco-Paulo, Artur, *Biosensors Based on Laccase for Detection of Commercially Reactive Dyes*. Analytical Letters 2010, 43, (7-8), 1126-1131, [WOS:000277838400006 \(IF 0,920\)](#)
13. Brissos Vânia; Pereira Luciana; **Munteanu Florentina-Daniela**; Cavaco-Paulo Artur; Martins Lígia O *Expression system of CotA-laccase for directed evolution and high-throughput screenings for the oxidation of high-redox potential dyes*. Biotechnology Journal 2009;4(4):558-563, [DOI:10.1002/biot.200800248 \(Wiley, Pubmed\)](#)

- 14. Florentina-Daniela Munteanu,** Patricia Ferreira, Francisco J. Ruiz-Dueñas, Angel T. Martínez, Artur Cavaco-Paulo, *Bioelectrochemical investigations of aryl-alcohol oxidase from Pleurotus eryngii*, *in* Journal of Electroanalytical Chemistry, 2008, Volume 618, Issues 1-2, 1 July 2008, Pages 83-86, [WOS:000257007800012 \(IF 2,484\)](#)
- 15. Florentina-Daniela Munteanu,** Carlos Basto, Georg Gübitz, Artur Cavaco-Paulo *Staining of wool using the reaction products of ABTS oxidation by laccase: synergetic effects of ultrasound and cyclic voltammetry* *in:* Ultrasonics Sonochemistry, 2007, 14 (3), 363-367, [WOS:000243627400013 \(IF 2,434\)](#)
- 16. Florentina-Daniela Munteanu,** Delia Gligor, Ionel Catalin Popescu and Lo Gorton *Formate Dehydrogenase-Modified Carbon Paste Electrodes for Amperometric Detection of Formate* *in:* Revue Roumaine de Chimie, 2006, 51(1), 25, [WOS:000238234900004 \(IF 0,208\)](#)
- 17. Andrea Zille, Florentina-Daniela Munteanu,** Georg Gübitz, Artur Cavaco-Paulo *Laccase Kinetics of Degradation and Coupling Reactions* *in:* Journal of Molecular Catalysis:B, 2005, 33 (1-2), 23, [WOS:000229394200004 \(IF 1,685\)](#)
- 18. Florentina-Daniela Munteanu,** Francisco Ruiz-Dueñas, Angel Martínez, Artur Cavaco-Paulo *Kinetics of Direct and Mediated Electron Transfer of Versatile Lignolytic Peroxidase Modified Graphite Electrodes* *in:* Journal of Electroanalytical Chemistry, 2005, 580 (1), 35, [WOS:000229512700005 \(IF 2,223\)](#)
- 19. Florentina-Daniela Munteanu,** Nicolas Mano, Alexander Kuhn, and Lo Gorton *NADH Electrooxidation Using Nitro-Fluorenone Derivatives Immobilised on Zirconium Phosphate* *in:* Journal of Electroanalytical Chemistry, 2004, 564, 167. [WOS:000220097900019 \(IF 2,228\)](#)
- 20. Delia Dicu, Florentina-Daniela Munteanu,** Ionel Catalin Popescu, Lo Gorton *Indophenol and O-Quinones Derivatives Immobilized on Zirconium Phosphate for NADH Electrooxidation* *in:* Analytical Letters, 2003, 36 (9), 1775, [WOS:000184660600007 \(IF 0,929\)](#)
- 21. Florentina-Daniela Munteanu,** Delia Dicu, Ionel Catalin Popescu, Lo Gorton *NADH Electrooxidation Using Carbonaceous Electrodes Modified with Dibenzo-Dithia-*

- Diazapentacene* *in*: *Electroanalysis*, 2003, 15(5-6), 383. [WOS:000182694800006 \(IF 1,811\)](#)
- 22. Florentina-Daniela Munteanu**, Lo Gorton, Yoshiyuki Okamoto *Electrochemical and Catalytic Investigation of Carbon Paste Modified With Toluidine Blue O Covalently Immobilised on Silica Gel* *in*: *Analytica Chimica Acta*, 2003, 476, 43, [WOS:000180168800005, \(IF 2,210\)](#)
- 23. Per Persson**, Simona Larsson, Leif J. Jönsson, Nils-Olof Nilvebrant, Björn Sivik, **Florentina Munteanu**, Lars Thörneby, Lo Gorton *Supercritical Fluid Extraction of a Lignocellulosic Hydrolysate of Spruce for Detoxification and to Facilitate Analysis of Inhibitors* *in*: *Biotechnology & Bioengineering*, 2002, 79(6), 694, [WOS:000177549400013 \(IF 2,211\)](#).
- 24. Florentina-Daniela Munteanu**, Marcus Mosbach, Albert Schulte, Wolfgang Schuhmann, and Lo Gorton *Fast Scan Cyclic Voltammetry and Scanning Electrochemical Microscopy for Studies on the Acidic pH Effect on 2-Electron Mediators Immobilised on Zirconium Phosphate* *in*: *Electroanalysis*, 2002, 14(21), 1479, [WOS:000179597300004 \(IF 1,811\)](#)
- 25. Florentina-Daniela Munteanu**, Nicolas Mano, Alexander Kuhn, Lo Gorton *Mediator Modified Electrodes for Catalytic NADH Oxidation: High Rate Constants at Interesting Overpotentials* *in*: *Bioelectrochemistry*, 2002, 56, 67, [WOS:000176715700016 \(IF 1,463\)](#).
- 26. Florentina-Daniela Munteanu**, Lauro Kubota, and Lo Gorton *Effect of pH on the Catalytic Electrooxidation of NADH Using Different 2-electron Mediators Immobilised on Zirconium Phosphate* *in*: *Journal of Electroanalytical Chemistry*, 2001, 509 (1), 2 [WOS:000170406300002 \(IF 1,960\)](#).
- 27. Florentina-Daniela Munteanu**, Lo Gorton, Annika Lindgren, Tautgirdas Ruzgas, Jenny Émneus, Elisabeth Csöregi, Irina G. Gazaryan, Igor V. Ouporov, Elena A. Mareeva and L. Mark Lagrimini *Direct and Mediated Electron Transfer Catalysed by Anionic Tobacco Peroxidase: Effect of Calcium Ions* *in*: *Applied Biochemistry and Biotechnology*, 2000, 88, 321 [WOS:000089923900031 \(IF 0,843\)](#).

28. Lauro Kubota, **Florentina-Daniela Munteanu**, A. Roddick-Lanzilotta, A. J. McQuillan, and Lo Gorton *Electrochemical Investigation of Some Aromatic Redox Mediators Immobilised on Titanium Phosphate in: Quimica Analitica*, 2000, 19 (Suppl 1) 15, [WOS:000165192000004 \(IF 0,246\)](#).
29. Lo Gorton, Annika Lindgren, Ted Larsson, **Florentina-Daniela Munteanu**, Tautgirdas Ruzgas and Irina G. Gazaryan *Direct Electron Transfer between Heme-Containing Enzymes and Electrodes as Basis for Third Generation Biosensors in: Analytica Chimica Acta*, 1999, 400, 91, [WOS:000084204200010 \(IF 0,562\)](#).
30. Annika Lindgren, **Florentina-Daniela Munteanu**, Irina G. Gazaryan, Tautgirdas Ruzgas, Lo Gorton *Comparison of Rotating Disk and Wall-Jet Electrode Systems for Studying the Kinetics of Direct and Mediated Electron Transfer for Horseradish Peroxidase on a Graphite Electrode in: Journal of Electroanalytical Chemistry*, 1998, 458, 113, [WOS:000077470400012 \(IF 1,760\)](#).
31. **Florentina-Daniela Munteanu**, Annika Lindgren, Jenny Émneus, Lo Gorton, Tautgirdas Ruzgas, Elisabeth Csöregi, Anton Ciucu, R. B. van Huystee, Irina G. Gazaryan, and L. Mark Lagrimini *Bioelectrochemical Monitoring of Phenols and Aromatic Amines in Flow Injection Using Novel Plant Peroxidases in: Analytical Chemistry*, 1998, 70, 2596, [WOS:000074584700053 \(IF 4,580\)](#).
32. Tzanov Tzanko, **Florentina-Daniela Munteanu**, Artur Cavaco-Paulo, CELL 130-Isomerases for functional modification of fibrous polymers, Abstracts of Papers of American Chemical Society, 2007, 233, 674, [WOS:000207722800572](#)
33. Margarida Fernandes, Carlos Basto, Andrea Zille, **Florentina-Daniela Munteanu**, Georg M. Gübitz, Artur Cavaco-Paulo, **POLY 441-Sono-enzymatic polymerization of catechol**, Abstracts of Papers of American Chemical Society, 2007, 232, [WOS:000207781701533](#)
34. Andrea Zille, **Florentina-Daniela Munteanu**, Georg M. Gübitz, Artur Cavaco-Paulo, Laccase polymerization of amino-phenol compounds, Abstracts of Papers of American Chemical Society, 2005, 229, 2, U955, [WOS:000235066604329](#)
35. Annika Lindgren, Tautgirdas Ruzgas, Leonard Stoica, **Florentina-Daniela Munteanu**, and Lo Gorton, *Cellobiose dehydrogenase and peroxidase biosensors for determination*

- of phenolic compounds*, Abstracts of Papers of American Chemical Society, 1999, 217, U789, [WOS:000079148102461](#)
36. **BREVET:** Sîrghie Cecilia, Radu Dana Gina, **Munteanu Florentina-Daniela**, Pag Andreea, Dochia Mihaela, Tomescu Daniel, PROCESS FOR MELTING BAST FIBER PLANTS, SUCH AS: FLAX, HEMP, JUTE ETC, 2014, [Derwent Primary Accession Number: 2013-Q10123](#) [13]
37. Delia Gligor, **Florentina-Daniela Munteanu**, Ionel Catalin Popescu, Lo Gorton *NADH Electrochemical Oxidation at 2,6-Dichlorophenolindophenol Modified Electrodes in:* Annals of West University of Timisoara, Series Chemistry, 2003, 12 (1), 1. ([GoogleScholar](#))
38. **Florentina-Daniela Munteanu**, Biosensors for Determination of Azo Dyes, Annals of the University of Oradea, Fascicle of Textiles-Leatherwork, 2007, vol VIII, 55([GoogleScholar](#))
39. **Florentina-Daniela Munteanu**, Mihaela Dochia, Cecilia Sirghie, Studies on the Stability of a Laccase Used in Ultrasound or in presence of Emolient , Annals of the University of Oradea, Fascicle of Textiles-Leatherwork, 2007, vol VIII, 62, ([GoogleScholar](#))
40. **Florentina Daniela Munteanu**, Monica Elena Lungu, Oana Brînzan, Dana Radu, The unecological waste dump in Arad city, I: Determination of pollutants in, Scientifical and Technical Bulletin of Aurel Vlaicu University Arad, Series Chemistry, Food Science & Engineering, 2006.vol.11(XII), 259
41. **Florentina Daniela Munteanu**, Paulo Durão, O. Lígia Martins, Artur Cavaco-Paulo, Determination of the Redox Potential of Some Laccases in, Scientifical and Technical Bulletin of Aurel Vlaicu University Arad, Series Chemistry, Food Science & Engineering, 2006.vol.11(XII), 56
42. **Florentina-Daniela Munteanu**, Artur Cavaco – Paulo, Use of Two Redox Enzymes for Azo Dyes Decolorization, Scientifical and Technical Bulletin of Aurel Vlaicu University Arad, Series Chemistry, Food Science & Engineering, 2005.vol.10(XI), 56-64



43. Onofrei Adriana-Gabriela, **Florentina Munteanu**, Monica Zdremtan, Alexandra Anghel, Anamaria Lucaci, Fitointercession study of soils contaminated with some heavy metals, Bulletin USAMV-CN, 2007, 63-64, ([GoogleScholar](#))
44. Anghel Alexandra, Lucaci Anamaria, Zdrem an Monica, **Munteanu Florentina-Daniela**, Onofrei Adriana-Gabriela, Fitoremedierea solurilor contaminate cu metale grele, Simpozionul Geoecologia, 2007, 6 ([GoogleScholar](#))
45. Dinca Nicolae, Sisu Eugen, Munteanu Florentina, Grosu Viorica, application of csi-diff-  
ms software for identification of the best quantum chemical method for 3-and 4-  
nitrobenzophenone dimethylacetal molecules and fragmentation ions, Scientifical and  
Technical Bulletin of Aurel Vlaicu University Arad, Series Chemistry, Food Science &  
Engineering, 2005, 10(XI), ([GoogleScholar](#))
46. Munteanu Florentina-Daniela, Cavaco-Paulo Artur, Electrochemical aspects of the dye  
degradation by redox enzymes, 4th European meeting on Oxizymes, 2008, Helsinki,  
Finland
47. Simona, Gavrilă ; Mihaela-Georgina, Me ter; Louis, Marty Jean; **Florentina-Daniela,  
Munteanu**. Immunological And Chemical Assay Made On Traditional Dairy,  
International Multidisciplinary Scientific GeoConference : SGEM; Sofia Vol. 18, Iss.  
6.2, : 237-244. Sofia: Surveying Geology & Mining, Ecology Management (SGEM).  
(2018) DOI:10.5593/sgem2018/6.2/S25.032
48. Dan Danciu, **Florentina-Daniela Munteanu** Municipal Solid Waste Management,  
Scien. Tech. Bull-Chem. Food Sci. Eng., Vol. 15(XVI), 2018, 11-13
49. Simona Gavrilas, Violeta Nastuneac, **Florentina-Daniela Munteanu**, Treatment of  
HEMP retting wastewaters: use of by-products from winemaking industry, International  
Symposium "The Environment and the Industry", 26-27 September 2019, Bucharest,  
Romania, pp. 107-112
50. Andreea Bujdei, Simona Gavrilas, Mihaela Dochia, **Florentina-Daniela Munteanu**,  
Vegetable food waste for cotton dyeing-new directions for environmental sustainability,  
International Symposium "The Environment and the Industry", 26-27 September 2019,  
Bucharest, Romania, pp. 113-120



## Participări la conferințe

Prezentări orale și/sau postere în cadrul următoarelor conferințe:

1. RICCE 21 - 21st Romanian International Conference on Chemistry and Chemical Engineering, Constanța Mamaia, 4-7 Septembrie 2019
2. 18th International Conference „Life Sciences for Sustainable Development”, Cluj-Napoca, Romania, 26-28 September, 2019
3. 2nd ICGEB Workshop “Modern Biotechnological Advances for Human Health – BAHH, May 28-31, 2019, Bucharest, Romania
4. 21st Romanian International Conference on Chemistry and Chemical Engineering, Mamaia, Constanța, 4-7 Septembrie 2019
5. International Symposium "The Environment and the Industry", 26-27 September 2019, București, România
6. 8<sup>th</sup> International Symposium on Research and Education in an Innovation Era, Mai 23-25, 2019, Arad, România
7. International Multidisciplinary Scientific GeoConference: SGEM; 2018, Sofia Surveying Geology & Mining, Ecology Management (SGEM).
8. 35<sup>th</sup> Romanian Chemistry Conference, Octombrie 2-5, 2018, Căciulata, România
9. 4<sup>th</sup> International Conference on Analytical Chemistry, Septembrie 1-3, 2018, București România
10. The 4th International Conference New Trends on Sensing - Monitoring - Telediagnosis for Life Sciences NT-SMT-LS, 30 August-1 Septembrie 2018, Brașov, România
11. 7<sup>th</sup> International Symposium on Research and Education in an Innovation Era, Mai 17-20, 2018, Arad, România
12. 6<sup>th</sup> International Symposium on Research and Education in an Innovation Era, Decembrie 8-10, 2016, Arad, România
13. New Trends on Sensing- Monitoring- Telediagnosis for Life Sciences, Brașov, Romania, Septembrie, 3-5, 2015
14. 5<sup>th</sup> International Symposium on Research and Education in an Innovation Era, Noiembrie 5-7, 2014, Arad, România

15. New Trends on Sensing- Monitoring- Telediagnosis for Life Sciences Brasov, Romania, July 24-26, 2014
16. Development of Novel Nanotechnology Based Diagnostic Systems for Rheumatoid Arthritis and Osteoarthritis (NanoDiaRA), Noiembrie 2013, Lisabona, Portugalia
17. 4<sup>th</sup> International Symposium on Research and Education in an Innovation Era, Noiembrie 8-9, 2012, Arad, România
18. The 3rd International Conference on Institutional Strategic Quality Management in Higher Education ISQM 2011, 14-16 July 2011, Sibiu - Romania)
19. The 2nd International Conference on Institutional Strategic Quality Management in Higher Education ISQM 2010, 14-16 October 2010, Sinaia - Romania)
20. 3<sup>rd</sup> International Symposium on Research and Education in an Innovation Era, Noiembrie 10-12, 2010, Arad, România
21. SECOSAFT , Mai 22-23 2010, Sibiu, România
22. *International Conference On Chemistry and Chemical Engineering* , Mai 28-30, 2008, Timi oara, România
23. *Conference on Condensed Matter Phisics*, Iulie 16-18, 2008, Timi oara, România
24. *European Meeting on Oxizymes*, Iunie 16-18, 2008, Helsinki, Finlanda
25. The 41st IUPAC World Chemistry Congress, August 5-11, 2007, Torino, Italia
26. 1<sup>st</sup> Advanced Research Workshop on Applications of Mass Spectrometry in Life Safety under NATO auspices, Septembrie 23-27, 2007, Herculane, România
27. Modern Technologies and Performant Management in The Textiles – Leatherwork Field, 24-26 Mai, 2007, Oradea, România
28. Prezent i perspective în biotehnologiile alimentare, 15.17 Noiembrie, 2007, Suceava, România
29. Prospects for the 3<sup>rd</sup> Millenium Agriculture, 4-6 Octombrie, 2007, Cluj Napoca, România
30. EcoMediu, 21-23 Noiembrie, 2007, Arad, România
31. The 7<sup>th</sup> Workshop on Biosensors and Bioanalytical  $\mu$ -Techniques in Environmental and Clinical Analysis, Septembrie 10-14, 2006, Kusadasi, Turcia
32. XVII International Symposium on Bioelectrochemistry and Bioenergetics, 3rd Spring Meeting, Bioelectrochemistry, Iunie 19-24, 2005, Coimbra, Portugalia

33. COST E23 *Biotechnologia in Industria Celulozei i Hârtiei*, Aprilie 26-29, 2005, Baiona (Pontevedra), Spania
34. 229th ACS Conference, Martie 13-17, 2005, San Diego, USA
35. Workshop of COST Action 847 & D32, Noiembrie 11-12, 2004, Póvoa de Varzim, Portugalia
36. Workshop of COST ACTION 847/WG 4 meeting, Octombrie 28-29, 2004, Sofia, Bulgaria
37. 13<sup>th</sup> Romanian International Conference on Chemistry and Chemical Engineering, Septembrie 16-20, 2003, Bucure ti, România
38. 11<sup>th</sup> Physical Chemistry Conference with International Participation, ROMPHYSchem 11, Septembrie 2-5, 2003, Timi oara, Romania
39. The XVII<sup>th</sup> International Symposium on Bioelectrochemistry and Bioenergetics, Iunie 19-24, 2003, Floren a, Italia
40. Journées d'Electrochimie 2003, Iunie 3-6, 2003, Poitiers, Fran a
41. The Seventh World Congress on Biosensors, Mai 15-17, 2002, Kyoto, Japonia
42. German-Swedish Workshop on Biomolecular Recognition for Analytical Biochemistry, Decembrie 8, 2001, Luckenwalde, Germania
43. Analysdagarna, Iunie 11-14, 2001, Stockholm, Suedia
44. New Direction in Electroanalysis, Aprilie 22-25, 2001, Salford, Anglia
45. Faraday Discussion 116, Bioelectrochemisry, Iulie 17-19, 2000, Southampton, Anglia
46. Biosensors, Mai 24-26, 2000, San Diego, USA
47. Analysdagarna" Iunie 14-17, 1999, Uppsala, Suedia
48. Joint Meeting in Bioanalytical Chemistry, Octombrie 29-30, 1998, Lund Suedia
49. Biosensors, Iunie 3-5, 1998, Berlin, Germania
50. Bioelectrochemistry and Bioenergetics, Mai 23-29, 1998, Vingstedcentret, Danemarca

#### 4. Proiecte de cercetare-dezvoltare

##### *A. Coordonare proiecte:*

##### **Interna ionale:**

1. 2009-2013- **FP7- NMP-2008-LARGE-2, Proiect No 228827-** *Folate-based nanobiodevices for integrated diagnosis/therapy targeting chronic inflammatory diseases*
2. 2006-2009- Contract de Cercetare **NATO Nr. EAP.RIG.982234** intitulat „*Biosensors for Environmental Pollutants Monitoring*”
3. 2004-2005 - **SFRH/BPD/16674/2004**, Portugalia „*Electrochemical Characterization of Redox Biodegradation of Redox Dyes*” (derulat în cadrul Minho University)

**Na ionale:**

1. 2018-2020- **PN-III-P1-1.2-PCCDI2017-0569** – „*Închiderea lanțurilor de valoare din bioeconomie prin obținerea de bioproduse inovative cerute de piață –PRO-SPER*”, - 10-PCCDI/2018
2. 2017-2018 – **PN3, Proiecte Cooperare Bilateral România-Franța, BM46, Valorificarea subproduselor de vinificație - aplicații pentru tratamentul apelor reziduale**
3. 2014-2017- **PN2, Proiecte Colaborative de Cercetare Aplicativ , PN-II-PT-PCCA-2013-4-0191** *Interactomica galactozaminoglicanilor în matricea extracelular prin spectrometrie de masa avansat*
4. 2010-2012- **PN2, Capacit i, Modulul III, - Folate-based nanobiodevices for integrated diagnosis/therapy targeting chronic inflammatory diseases**
5. 2006-2008 - **Cercetare de excelenta** intitulat „*Sisteme computerizate de filtrare si separare activate cu ultrasunete si controlate cu biosenzori pentru procese textile*”
6. 2005 –2007 – Contract **Cercetare de excelenta Nr. 3179/12.10.2005** intitulat „*Caracterizarea Electrochimic i Studiul Cinetic al Biodegrad rii Poluan ilor Mediului*”

**B. Membru în echipa de cercetare:**

**Proiecte internationale**

1. 2015-2017 – **EEA Grants**, prin mecanismul financiar al spațiului economic european (SEE), Program RO 02 – biodiversitate și servicii ale ecosistemelor, „*Stoparea extinderii speciilor invazive de plante în Parcul Natural Lunca Mureșului*”
2. 2004 - **NNP2-CT-2003-505892**, ULTRATEC, „*Ultrasound Assisted Enzymatic Processing of Textiles*”, (1022000 RON)
3. 1998 – **FP4-** „*Prussian blue based novel highly selective chemical and biological sensors for food control*”
4. 1997 - **BIO4-CT97-2199** „*Directly interfaced and micro or nanostructured detection systems*”

### Proiecte naționale

1. Noiembrie 2020-prezent - **Programul Operațional Capital Uman, Axa prioritară 6: Educație și competențe**, Măsură integrată pentru tranziția studenților pe piața muncii, Contract nr. POCU/626/6/13/132639
2. Octombrie 2020-februarie 2021- ”**Competența face diferența! Proiect selectat în cadrul Programului Operațional Capacitate Administrativă cofinanțat de Uniunea Europeană, din Fondul Social European - Îmbunătățirea politicilor publice în învățământul superior și creșterea calității reglementărilor prin actualizarea standardelor de calitate QAFIN, cod SIPOCA 16**
3. 2017-2018- **PN-III-P2-2.1-PTE- 2016-0217-** Instalație demonstrativă pentru o tehnologie inovativă de topire a cânepii
4. 2016-2019 – Novel Bio-inspired Cellular Nano-Architectures (BioCell-NanoART), **POC-A1-A1.1.3-E-2015**,
5. 2014-2015 - Centru de cercetare în Științe Tehnice și Naturale CESTN”, proiect cofinanțat de Uniunea Europeană prin Fondul European de dezvoltare Regională în cadrul programului operațional sectorial „**Creșterea Competitivității Economice**”: INVESTIȚII PENTRU VIITORUL DVS
6. 2014-2015 - **POSDRU** - Axa prioritară 5 "Promovarea măsurilor active de ocupare", Domeniul major de intervenție 5.1. "Dezvoltarea și implementarea măsurilor active de

- ocupare in Regiunea Vest" 131980 - RE-ACTIV PE PIAȚA MUNCII! Integrarea profesional a categoriilor defavorizate pe piața muncii ,
7. 2010-2013- **Programul Operațional Sectorial Creșterea Competitivității Economice**, Axa prioritară 2 - Competitivitate prin CDI, Operațiunea 2.1.2: "Proiecte CDI de înalt nivel științific la care vor participa specialiști din străinătate": Plantele liberiene-resurse regenerabile strategice pentru economia Europeană - BASTEURES
  8. 2006-2008- **Cercetare de excelență** consorțiu CEEX; Afiliată: VIASAN; „Determinarea expresiei glicosfingolipidelor complexe în sistemul nervos central prin dispozitive de microcipuri integrate polifuncționale cuplate cu spectrometrie de masă de înalt performanță” Valoare totală : 1.5 milioane RON dintre care 200000 RON revin UAV
  9. 2006-2008- **Cercetare de excelență** -Modul 3„Integrarea unui centru român de spectrometrie de masă biomedicală de înalt performanță în aria de cercetare internațională europeană” Valoare totală : 200000 RON dintre care 40000 RON revin UAV
  10. 2006-2009- **Cercetare de excelență** – Modulul 3 „Parteneriat științific în domeniul nanostiintelor și nanotehnologiilor aplicate în textile” (188.000 RON)
  11. 2006-2007- **Cercetare de excelență** consorțiu CEEX „Tehnologii noi aplicate materialelor din fibre liberiene utilizând procese chimice și enzimatică în ultrasunete pentru obținerea de materiale performante. Acronim TENZINUS” 486.000 RON revin UAV
  12. 2006-2008- **Cercetare de excelență** – Modulul 3 “Rețea regională de excelență în domeniul micro-nano-bio tehnologiilor și materialelor textile pentru aplicații medicale: Acronim EUROTExMED”
  13. 2006-2008- **Cercetare de excelență** consorțiu CEEX „Compuși polioxometalici (POM) cu activitate catalitică oxidativă pentru aplicații de vârf. ACRONIM: POMALB”
  14. 2006 - Întocmirea unui studiu de fezabilitate în vederea soluționării neutralizării gropii de gunoi din localitatea Arad”

07.02.2021

Munteanu Florentina-Daniela

