

LISTA DE LUCRĂRI

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 H₂O₂ 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 H₂O₂ 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: Noțiuni 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 Dincă, Artur Cavaco-Paulo, MALDI-ToF Mass Spectrometry in Textile Industry**, Springer Verlag, ISBN 978-1-4020-8811-7
 6. **Munteanu Florentina-Daniela**, Noțiuni de chimia mediului, <https://core.uav.ro/learning-cursuri?folder=dec603d0dacc791b2287&action=list>
 7. **Munteanu Florentina-Daniela**, Elemente de electrochimie și coroziune, https://core.uav.ro/learning-cursuri?form_submitted=1&folder=dec203d1dac5e2bf18d1
 8. **Munteanu Florentina-Daniela**, Gestiunea substanțelor chimice periculoase, <https://core.uav.ro/learning-cursuri?folder=dec203d0dacd9a71fb79&action=list>
 9. Ioan Calinovici, Florentina-Daniela Munteanu, Monica Lungu, Virgil Ciutină, Strategia de Combatere a plantelor invazive, <http://sesil.eu/ro>

Lucrări indexate ISI/BDI

1. Năstuneac, V.; Panainte-Lehăduș, M.; Moșneguțu, E.F.; Gavrilaș, 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, **WOS:000494748600159**.
2. Năstuneac, Violeta, Gavrilas, Simona, **Munteanu, Florentina-Daniela**, Assessment of the Water Quality in Siret Hydrographic Basin, Scientific Study and ResearchChemistry and Chemical Engineering Biotechnology Food Industry, 2019, 20 (3), 471-480, **WOS:000489234500012**
3. **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**

4. Bucur, B.; **Munteanu, Florentina-Daniela**; Marty, J.-L.; Vasilescu, A. Advances in enzyme-based biosensors for pesticide detection. *Biosensors* 2018, 8. [WOS:000435137200001](#)
5. Munteanu, Florentina Daniela; Sanislav, Andreia; Stanescu, Michaela Dina, *Coupled Electrochemical and Enzymatic Degradation of Two Anthraquinone Dyes*, Revue Roumaine de Chemie, 2015, 60, 2-3, 233-239, [WOS:000360325400014](#)
6. 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](#)
7. Margarida M. Fernandes, Andreia C. Gomes, Andreia Vasconcelos, **Munteanu Florentina-Daniela**, Tzanko Tzanov, Maria Sameiro T. Gonçalves, Nicole End, KaiUwe 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](#)
8. 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](#)
9. Brissos Vânia; Pereira Luciana; **Munteanu Florentina-Daniela**; Cavaco-Paulo Artur; Martins Lígia O *Expression system of COT-A-laccase for directed evolution and highthroughput screenings for the oxidation of high-redox potential dyes*. *Biotechnology Journal* 2009;4(4):558-563, [DOI:10.1002/biot.200800248](#) (Wiley, Pubmed)
10. **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](#)
11. **Florentina-Daniela Munteanu**, Carlos Basto, Georg Gübitz, Artur Cavaco-Paulo *Staining of wool using the reaction products of ABTS oxidation by laccase: synergistic*

- effects of ultrasound and cyclic voltammetry* in: Ultrasonics Sonochemistry, 2007, 14 (3), 363-367, [WOS:000243627400013](#)
12. 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](#)
13. 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](#)
14. 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](#)
15. 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](#)
16. 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](#)
17. Florentina-Daniela Munteanu, Delia Dicu, Ionel Catalin Popescu, Lo Gorton *NADH Electrooxidation Using Carbonaceous Electrodes Modified with Dibenzo-DithiaDiazapentacene* in: Electroanalysis, 2003, 15(5-6), 383. [WOS:000182694800006](#)
18. 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](#)
19. 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**

20. 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**
21. 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**
22. 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**
23. 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**
24. 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**
25. 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**
26. 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](#)

27. Florentina-Daniela Munteanu, Annika Lindgren, Jenny Émneus, Lo Gorton, Tautgirdas Ruzgas, Elisabeth Csöregi, Anton Ciucu, R. B. van Huyse, 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](#)
28. Tzanov Tzanko, Florentina-Daniela Munteanu, Artur Cavaco-Paulo, CELL 130Isomerases for functional modification of fibrous polymers, Abstracts of Papers of American Chemical Society, 2007, 233, 674, [WOS:000207722800572](#)
29. 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](#)
30. 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](#)
31. 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](#)
32. Delia Gligor, Florentina-Daniela Munteanu, Ionel Catalin Popescu, Lo Gorton *NADH Electrocatalytic Oxidation at 2,6-Dichlorophenolindophenol Modified Electrodes in:* Annals of West University of Timisoara, Series Chemistry, 2003, 12 (1), 1. ([GoogleScholar](#))
33. Florentina-Daniela Munteanu, Biosensors for Determination of Azo Dyes, Annals of the University of Oradea, Fascicle of Textiles-Leatherwork, 2007, vol VIII, 55([GoogleScholar](#))

- 35. 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](#))
- 36. 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
- 37. 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
- 38. 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
- 39. Onofrei Adriana-Gabriela, Florentina Munteanu**, Monica Zdreman, Alexandra Anghel, Anamaria Lucaci, Fitointercession study of soils contaminated with some heavy metals, Bulletin USAMV-CN, 2007, 63-64, ([GoogleScholar](#))
- 40. Anghel Alexandra, Lucaci Anamaria, Zdreman Monica, Munteanu FlorentinaDaniela, Onofrei Adriana-Gabriela**, Fitoremedierea solurilor contaminate cu metale grele, Simpozionul Geoecologia, 2007, 6 ([GoogleScholar](#))
- 41. Dinca Nicolae, Sisu Eugen, Munteanu Florentina, Grosu Viorica**, application of csi-diffms software for identification of the best quantum chemical method for 3-and 4nitrobenzophenone dimethylacetal molecules and fragmentation ions, Scientifical and Technical Bulletin of Aurel Vlaicu University Arad, Series Chemistry, Food Science & Engineering, 2005, 10(XI), ([GoogleScholar](#))
- 42. Munteanu Florentina-Daniela, Cavaco-Paulo Artur**, Electrochemical aspects of the dye degradation by redox enzymes, 4th European meeting on Oxizymes, 2008, Helsinki, Finland

43. Simona, Gavrilaș; Mihaela-Georgina, Meșter; 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
44. Dan Danciu, **Florentina-Daniela Munteanu** Municipal Solid Waste Management, Scien. Tech. Bull-Chem. Food Sci. Eng., Vol. 15(XVI), 2018, 11-13
45. 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
46. 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. RICCCE 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. 8th 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. 35th Romanian Chemistry Conference, Octombrie 2-5, 2018, Căciulata, România
9. 4th 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. 7th International Symposium on Research and Education in an Innovation Era, Mai 17-20, 2018, Arad, România
12. 6th 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. 5th 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 SciencesBrasov, Romania, July 24-26, 2014
16. Development of Novel Nanotechnology Based Diagnostic Systems for Rheumatoid Arthritis and Osteoarthritis (NanoDiaRA), Noiembrie 2013, Lisabona, Portugalia
17. 4th 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. 3rd 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, Timișoara, România
23. *Conference on Condensed Matter Physics*, Iulie 16-18, 2008, Timișoara, 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. 1st 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 și perspective în biotecnologiile alimentare, 15.17 Noiembrie, 2007, Suceava, România
29. Prospects for the 3rd Millenium Agriculture, 4-6 Octombrie, 2007, Cluj Napoca, România
30. EcoMediu, 21-23 Noiembrie, 2007, Arad, România
31. The 7th Workshop on Biosensors and Bioanalytical μ-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 *Biotehnologia in Industria Celulozei și 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. 13th Romanian International Conference on Chemistry and Chemical Engineering, Septembrie 16-20, 2003, Bucureşti, România
38. 11th Physical Chemistry Conference with International Participation, ROMPHYSchem 11, Septembrie 2-5, 2003, Timișoara, Romania
39. The XVIIth International Symposium on Bioelectrochemistry and Bioenergetics, Iunie 19-24, 2003, Florența, Italia
40. Journées d'Electrochimie 2003, Iunie 3-6, 2003, Poitiers, Franța
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, Bioelectrochemistry, 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:

Internaționale:

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)

Naționale:

1. 2018-2020- PN-III-P1-1.2-PCCDI2017-0569 – „*Inchiderea lanțurilor de valoare din bioeconomie prin obținerea de bioproduse inovative cerute de piață –PRO-SPER*”, - 10-PCCDI/2018
2. 2017-2018 – PN3, Proiecte Cooperare Bilaterală România-Franța, BM46, *Valorificarea subproduselor de vinificație - aplicații pentru tratamentul apelor reziduale*
3. 2014-2017- PN2, Proiecte Colaborative de Cercetare Aplicativă, PN-II-PT-PCCA2013-4-0191 *Interactomica galactozaminoglicanilor în matricea extracelulară prin spectrometrie de masa avansată*
4. 2010-2012- PN2, Capacități, Modulul III, - *Folate-based nanobiodevices for integrated diagnosis/therapy targeting chronic inflammatory diseases*
5. 2006-2008 - Cercetare de excelenta intitulat „*Sisteme computerizate de filtrare și separare activate cu ultrasunete și controlate cu biosenzori pentru procese textile*”
6. 2005 –2007 – Contract Cercetare de excelenta Nr. 3179/12.10.2005 intitulat „*Caracterizarea Electrochimică și Studiul Cinetic al Biodegradării Poluanților 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. 2017-2018- **PN-III-P2-2.1-PTE- 2016-0217**- Instalație demonstrativă pentru o tehnologie inovativă de topire a cânepii
2. 2016-2019 – Novel Bio-inspired Cellular Nano-Architectures (BioCell-NanoART), **POC-A1-A1.1.3-E-2015**,
3. 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
4. 2014-2015 - **POSDRU** - Axa prioritară 5 "Promovarea masurilor active de ocupare", Domeniul major de intervenție 5.1. "Dezvoltarea și implementarea masurilor active de ocupare în Regiunea Vest" 131980 - RE-ACTIV PE PIATA MUNCII! Integrarea profesională a categoriilor defavorizate pe piața muncii ,
5. 2010-2013- **Programul Operațional Sectorial Creșterea Competitivității Economice**, Axa prioritară 2 - Competitivitate prin CDI, Operațiunea 2.1.2: "Proiecte CD de înalt nivel științific la care vor participa specialiști din străinătate": Plantele liberiene-resurse regenerabile strategice pentru economia Europeană - **BASTEURES**

6. 2006-2008- **Cercetare de excelență** consorțiu CEEX; Afiliație : VIASAN; „Determinarea expresiei glicosfingolipidelor complexe în sistemul nervos central prin dispozitive de microcipuri integrate polifuncționale cuplate cu spectrometrie de masă de înaltă performanță” Valoare totală: 1.5 milioane RON dintre care 200000 RON revin UAV
7. 2006-2008- **Cercetare de excelență -Modul 3.,Integrarea unui centru român de spectrometrie de masă biomedicală de înaltă performanță în aria de cercetare internațională și europeană”** Valoare totală: 200000 RON dintre care 40000 RON revin UAV
8. 2006-2009- **Cercetare de excelență – Modulul 3 „Parteneriat științific în domeniul nanostiintelor și nanotehnologiilor aplicate în textile”** (188.000 RON)
9. 2006-2007- **Cercetare de excelență** consorțiu CEEX „Tehnologii noi aplicate materialelor din fibre liberiene utilizând procese chimice și enzimatiche în ultrasunete pentru obținerea de materiale performante. Acronim TENZINUS” 486.000 RON revin UAV
10. 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”**
11. 2006-2008- **Cercetare de excelență** consorțiu CEEX „Compuși polioxometalați (POM) cu activitate catalitică oxidativă pentru aplicații de vârf. ACRONIM: POMALB”
12. 2006 - Întocmirea unui studiu de fezabilitate în vederea soluționării neutralizării gropii de gunoi din localitatea Arad”

08.09.2020

Munteanu Florentina-Daniela

