

LIST OF PUBLICATIONS

Munteanu Florentina-Daniela – PhD since 2002, University Professor since 2008, habilitation since 2018

1. PhD Thesis:

Munteanu F-D., 2002, *Studies of Electrocatalytic Reactions of NADH at Mediator Modified Electrodes and of H₂O₂ at Peroxidase Modified Electrodes*,

PhD supervisor: Prof. Lo Gorton, PhD, Lund University, Sweden

2. Books/courses published by recognized publishing houses or locally, published guidance/collections of problems, own courses on the Web, through which contributions are made to the development of didactic/professional activities

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, Lund University, Sweden
2. **Munteanu Florentina-Daniela**, *Fundamental and Applied Research on Recombinant and Wilde type Horseradish Peroxidase Based Biosensors*, KFS Lund, Lund University, Sweden 1997
3. **Munteanu Florentina-Daniela**, Adina Maria Bodescu, *Chimia Mediului: Noțiuni teoretice, aplicative și numerice*, Editura Aurel Vlaicu University Publishing House, 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>

ISI/BDI indexed published papers

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, Gavrilaș, 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**
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 Chimie*, 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 Lúcia O *Expression system of CotA-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: synergetic 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 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
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, Scientific 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 Zdremtan, 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, Zdremtan Monica, **Munteanu FlorentinaDaniela**, Onofrei Adriana-Gabriela, Fitoremedierea solurilor contaminate cu metale grele, Simpozionul Geocologia, 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, Scientific 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, Gavrilas; Mihaela-Georgina, Meşter; 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

Participations to conferences

Oral presentations and / or posters at the following conferences:

1. RICCCE 21 - 21st Romanian International Conference on Chemistry and Chemical Engineering, Constanța Mamaia, 4-7 September 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 September 2019
5. International Symposium "The Environment and the Industry", 26-27 September 2019, Bucharest, Romania
6. 8th International Symposium on Research and Education in an Innovation Era, May 23-25, 2019, Arad, Romania
7. International Multidisciplinary Scientific GeoConference: SGEM; 2018, Sofia Surveying Geology & Mining, Ecology Management (SGEM).
8. 35th Romanian Chemistry Conference, October 2-5, 2018, Căciulata, Romania
9. 4th International Conference on Analytical Chemistry, September 1-3, 2018, Bucharest Romania
10. The 4th International Conference New Trends on Sensing - Monitoring - Telediagnosis for Life Sciences NT-SMT-LS, 30 August-1 September 2018, Brașov, Romania
11. 7th International Symposium on Research and Education in an Innovation Era, May 17-20, 2018, Arad, Romania

12. 6th International Symposium on Research and Education in an Innovation Era, December 8-10, 2016, Arad, Romania
13. New Trends on Sensing- Monitoring- Telediagnosis for Life Sciences, Braşov, Romania, Septembrie, 3-5, 2015
14. 5th International Symposium on Research and Education in an Innovation Era, November 5-7, 2014, Arad, Romania
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), November 2013, Lisbon, Portugal
17. 4th International Symposium on Research and Education in an Innovation Era, November 8-9, 2012, Arad, Romania
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, November 10-12, 2010, Arad, Romania
21. SECOSAFT, May 22-23 2010, Sibiu, Romania
22. *International Conference on Chemistry and Chemical Engineering*, May 28-30, 2008, Timișoara, Romania
23. *Conference on Condensed Matter Physics*, July 16-18, 2008, Timișoara, Romania
24. *European Meeting on Oxizymes*, June 16-18, 2008, Helsinki, Finland
25. The 41st IUPAC World Chemistry Congress, August 5-11, 2007, Torino, Italy
26. 1st Advanced Research Workshop on Applications of Mass Spectrometry in Life Safety under NATO auspices, Septembrie 23-27, 2007, Herculane, Romania
27. Modern Technologies and Performant Management in The Textiles – Leatherwork Field, 24-26 May, 2007, Oradea, Romania

28. Present and perspectives in food biotechnologies, 15.17 November, 2007, Suceava, Romania
29. Prospects for the 3rd Millennium Agriculture, 4-6 October, 2007, Cluj Napoca, Romania
30. EcoMediu, 21-23 November, 2007, Arad, Romania
31. The 7th Workshop on Biosensors and Bioanalytical μ -Techniques in Environmental and Clinical Analysis, September 10-14, 2006, Kusadasi, Turkey
32. XVII International Symposium on Bioelectrochemistry and Bioenergetics, 3rd Spring Meeting, Bioelectrochemistry, June 19-24, 2005, Coimbra, Portugal
33. COST E23 *Biotechnology in the Pulp and Paper Industry*, April 26-29, 2005, Baiona (Pontevedra), Spain
34. 229th ACS Conference, March 13-17, 2005, San Diego, USA
35. Workshop of COST Action 847 & D32, November 11-12, 2004, Póvoa de Varzim, Portugal
36. Workshop of COST ACTION 847/WG 4 meeting, October 28-29, 2004, Sofia, Bulgaria
37. 13th Romanian International Conference on Chemistry and Chemical Engineering, September 16-20, 2003, Bucharest, Romania
38. 11th Physical Chemistry Conference with International Participation, ROMPHYSchem 11, September 2-5, 2003, Timișoara, Romania
39. The XVIIth International Symposium on Bioelectrochemistry and Bioenergetics, June 19-24, 2003, Florența, Italy
40. Journées d'Electrochimie 2003, June 3-6, 2003, Poitiers, France
41. The Seventh World Congress on Biosensors, Mai 15-17, 2002, Kyoto, Japan
42. German-Swedish Workshop on Biomolecular Recognition for Analytical Biochemistry, Decembrie 8, 2001, Luckenwalde, Germany
43. Analysdagarna, June 11-14, 2001, Stockholm, Sweden
44. New Direction in Electroanalysis, April 22-25, 2001, Salford, Anglia

45. Faraday Discussion 116, Bioelectrochemistry, July 17-19, 2000, Southampton, Anglia
46. Biosensors, May 24-26, 2000, San Diego, USA
47. "Analysdagarna" June 14-17, 1999, Uppsala, Suedia
48. Joint Meeting in Bioanalytical Chemistry, Octombrie 29-30, 1998, Lund Suedia
49. Biosensors, June 3-5, 1998, Berlin, Germania
50. Bioelectrochemistry and Bioenergetics, May23-29, 1998, Vingstedcentret, Danemarca

4. Research and development projects

A. Project coordination:

International:

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 entitled „Biosensors for Environmental Pollutants Monitoring”
3. 2004-2005 - SFRH/BPD/16674/2004, Portugal „Electrochemical Characterization of Redox Biodegradation of Redox Dyes” (within Minho University)

National:

4. 2018-2020- PN-III-P1-1.2-PCCDI2017-0569 – "*Closing value chains in the bioeconomy by obtaining innovative bioproducts required by the market*" –PRO-SPER”, - 10-PCCDI/2018
5. 2017-2018 – PN3, Bilateral Cooperation Projects Romania-France, BM46, "*Recovery of winemaking by-products - applications for wastewater treatment*"
6. 2014-2017- PN2, Collaborative Applied Research Projects, PN-II-PT-PCCA- 2013-4-0191 „ *Interactomics of galactosaminoglycans in the extracellular matrix by advanced mass spectrometry*"
7. 2010-2012- PN2, Capacities Module III, - *Folate-based nanobiodevices for integrated diagnosis/therapy targeting chronic inflammatory diseases*

8. 2006-2008 – Excellence Research Projects „Computerized filtration and separation systems activated by ultrasound and controlled with biosensors for textile processes”
9. 2005 –2007 – Contract Cercetare de excelenta Nr. 3179/12.10.2005 „Electrochemical Characterization and Kinetic Study of Biodegradation of Environmental Pollutants”

B. Member of the research team:

International Projects

- 10.2015-2017 – EEA Grants, through the European Economic Area (EEA) Financial Mechanism, Program RO 02 - Biodiversity and Ecosystem Services, "Stopping the spread of invasive plant species in the Lunca Mureşului Natural Park"
- 11.2004 - NNP2-CT-2003-505892, ULTRATEC, „Ultrasound Assisted Enzymatic Processing of Textiles”, (1022000 RON)
- 12.1998 – FP4- „Prussian blue based novel highly selective chemical and biological sensors for food control”
- 13.1997 - BIO4-CT97-2199 „Directly interfaced and micro or nanostructured detection systems”

National projects

- 14.2017-2018- PN-III-P2-2.1-PTE- 2016-0217- Demonstration plant for an innovative hemp melting technology
- 15.2016-2019 – Novel Bio-inspired Cellular Nano-Architectures (BioCell-NanoART), POC-A1-A1.1.3-E-2015
- 16.2014-2015 - CESTN Technical and Natural Sciences Research Center ”, a project co-financed by the European Union through the European Regional Development Fund within the sectoral operational program „Increasing Economic Competitiveness”: INVESTMENTS FOR YOUR FUTURE
- 17.2014-2015 - POSDRU - Priority axis 5 "Promotion of active employment measures", Major field of intervention 5.1. "Development and implementation of active employment

- measures in the Western Region" 131980 - RE-ACTIVE ON THE LABOR MARKET!
Professional integration of disadvantaged categories on the labor market,
- 18.2010-2013- **Sectoral Operational Program Increasing Economic Competitiveness, Priority Axis 2** - Competitiveness through RDI, Operation 2.1.2: "High-level scientific R&D projects in which specialists from abroad will participate": Liberian plants-strategic renewable resources for the European economy - BASTEURES
- 19.2006-2008- **CEEX consortium excellence research**; Affiliation: VIASAN; "Determination of the expression of complex glycosphingolipids in the central nervous system by integrated multifunctional microchip devices coupled with high performance mass spectrometry"
- 20.2006-2008- **Research of excellence -Module 3**. „Integration of a Romanian center for high performance biomedical mass spectrometry in the area of international and European research”
- 21.2006-2009- **Research of excellence - Module 3** "Scientific partnership in the field of nanosciences and nanotechnologies applied in textiles"
- 22.2006-2007- **CEEX Consortium Excellence Research** “New technologies applied to Liberian fiber materials using ultrasonic chemical and enzymatic processes to obtain high-performance materials. AcronymTENZINUS”
- 23.2006-2008- **Research of excellence - Module 3** “Regional network of excellence in the field of micro-nano-bio technologies and textile materials for medical applications: Acronym EUROTExMED”
- 24.2006-2008- **Research of excellence CEEX consortium** „Polyoxometalated compounds (POM) with oxidative catalytic activity for top applications. ACRONYM: POMALB ”
- 25.2006 - Preparation of a feasibility study in order to solve the neutralization of the landfill in Arad "contract between Arad City Hall and "Aurel Vlaicu "University of Arad

10.09.2020

Munteanu Florentina-Daniela

