

LISTA COMPLETĂ A LUCRĂRILOR ELABORATE ȘI/SAU PUBLICATE

A. TEZA DE DOCTORAT

Catalina Iticescu, iunie 2004, *Acoperiri compozite in matrice de cupru obținute prin metode chimice și electrochimice*, Univ. „Dunărea de Jos” din Galați

A1. TEZA DE ABILITARE

Catalina Iticescu, 2018, *Impactul comunităților urbane și a activităților industriale asupra factorilor de mediu*, Univ. *Dunărea de Jos* din Galați

B. CĂRȚI/ÎNDRUMARE CU CARACTER DIDACTIC/PROFESIONAL

1. **Catalina Iticescu**, Lucian P. Georgescu, Monica Murarescu, *Utilizarea nămolurilor de epurare*, Galati University Press, 2015, ISBN 978-606-696-031-1, 231 pagini
2. Lucian P. Georgescu, **Cătălina Iticescu**, Valentin Hahuie, *Reconstrucție și revitalizare ecologică*, Editura Europlus, Galați, 2015, ISBN , 210 pagini
3. **C. Iticescu**, *Chimie fizică, Structura și proprietățile fizice ale moleculelor. Elemente de termodinamică chimică*, 250 pagini, Galati University Press, 2008, ISBN 978-606-8008-02-8
4. G. Carac, **C. Iticescu**, *Electrochimie - Lucrări practice*, Editura Academica, Galați, 2004, ISBN 973-8316-75-8, 102 pagini
5. Șt. Dima, **C. Iticescu**, *Structură și termodinamică chimică*, 430 pagini, Ed. Cartea Universitară, București, 2003, ISBN 973-795-606-0
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C. ARTICOLE ȘTIINȚIFICE

1. Articole publicate în reviste cotate ISI

1.74. Nina-Nicoleta Lazăr, Ira-Adeline Simionov, Ștefan-Mihai Petrea, Cătălina Iticescu, Puiu-Lucian Georgescu, Floricel Dima, Alina Antache, The influence of climate changes on heavy metals accumulation in *Alosa immaculata* from the Danube River Basin, *Marine Pollution Bulletin* 200 (2024) 116145, <https://doi.org/10.1016/j.marpolbul.2024.116145>, FI = 5,8

1.73. Ahmed H Arnous, Anjan Biswas, Abdul H Kara, Yakup Yıldırım, Luminita Moraru, **Catalina Iticescu**, Simona Moldovanu, Abdulah A Alghamdi, Optical solitons and conservation laws for the concatenation model: power-law nonlinearity, *Ain Shams Engineering Journal* 15 (2024) 102381, <https://doi.org/10.1016/j.asej.2023.102381>, FI =

1.72. Zayed, EME (Zayed, Elsayed M. E.) ; Alngar, MEM (Alngar, Mohamed E. M.) ; Shohib, RMA (Shohib, Reham M. A.) ; Biswas, A (Biswas, Anjan) ; Yildirim, Y (Yildirim, Yakup) ; Moraru, L (Moraru, Luminita) ; Georgescu, PL (Georgescu, Puiu Lucian) ; **Iticescu, C** (Iticescu, Catalina) ; Asiri, A (Asiri, Asim), HIGHLY DISPERSIVE SOLITONS IN OPTICAL COUPLERS WITH METAMATERIALS HAVING KERR LAW OF NONLINEAR REFRACTIVE INDEX, UKRAINIAN JOURNAL OF PHYSICAL OPTICS, 2024, Volume 25, Issue 1, Page 1001-1019, DOI 10.3116/16091833/Ukr.J.Phys.Opt.2024.01001, IF = 1,02, Q2

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1.70. Puiu-Lucian Georgescu, Simona Moldovanu, **Catalina Iticescu**, Madalina Calmuc, Valentina Calmuc, Catalina Topa, Luminita Moraru, *Assessing and forecasting water quality in the Danube River by using neural network approaches*, Science of the Total Environment 879 (2023) 162998, <http://dx.doi.org/10.1016/j.scitotenv.2023.162998>, FI = 10,754, Q1

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1.68. Madalina CALMUC, Valentina Andreea CALMUC, Nina Nicoleta CONDURACHE, Maxim ARSENI, Ira-Adeline SIMIONOV, Mihaela TIMOFTI, Puiu-Lucian GEORGESCU, Catalina ITICESCU, STUDY ON MICROPLASTICS OCCURRENCE IN THE LOWER DANUBE RIVER WATER, Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering. Vol. XII, 2023 Print ISSN 2285-6064, CD-ROM ISSN 2285-6072, Online ISSN 2393-5138, ISSN-L 2285-6064, FI = 0,4

1.67. Valentina Andreea CALMUC, Madalina CALMUC, Maxim ARSENI, Ira-Adeline SIMIONOV, Alina ANTACHE, Stefania-Adelina MILEA, Catalina ITICESCU, Puiu Lucian GEORGESCU, SPATIAL DISTRIBUTION OF PHARMACEUTICALS IN THE LOWER DANUBE RIVER WATER, Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering. Vol. XII, 2023 Print ISSN 2285-6064, CD-ROM ISSN 2285-6072, Online ISSN 2393-5138, ISSN-L 2285-6064, FI = 0,4

1.66. Adrian ROSU, Maxim ARSENI, Daniel-Eduard CONSTANTIN, Bogdan ROSU, Stefan-Mihai PETREA, Mirela VOICULESCU, Catalina ITICESCU, Lucian-Puiu GEORGESCU, STUDY OF AIR POLLUTION LEVEL IN AN URBAN AREA USING LOW-COST SENSOR SYSTEM ONBOARD MOBILE PLATFORM, Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering. Vol. XII, 2023 Print ISSN 2285-6064, CD-ROM ISSN 2285-6072, Online ISSN 2393-5138, ISSN-L 2285-6064, FI = 0,4

1.65. Stefan-Mihai PETREA, Ira-Adeline SIMIONOV, Alina ANTACHE, Aurelia NICA, Cristina ANTOHI, Dragos Sebastian CRISTEA, Maxim ARSENI, Madalina

CALMUC, Catalina ITICESCU, MACHINE LEARNING-BASED MODELING FRAMEWORK FOR IMPROVING ROMANIAN RESILIENCE STRATEGY TO GREENHOUSE GAS EMISSIONS IN RELATION TO VISEGRAD GROUP, Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering. Vol. XII, 2023 Print ISSN 2285-6064, CD-ROM ISSN 2285-6072, Online ISSN 2393-5138, ISSN-L 2285-6064, FI = 0,4

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1.62. Maxim ARSENI, Octavian ROMAN, Madalina CALMUC, Valentina-Andreea CALMUC, Adrian ROSU, Stefan-Mihai PETREA, Catalina ITICESCU, Lucian-Puiu GEORGESCU, AN AUTOMATED METHOD FOR FORESTRY DETERMINATION USING A UAV LIDAR-MOUNTED PLATFORM, Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering. Vol. XII, 2023 Print ISSN 2285-6064, CD-ROM ISSN 2285-6072, Online ISSN 2393-5138, ISSN-L 2285-6064, FI = 0,4

1.61. Marcel Daniel POPA, Ira-Adeline SIMIONOV, Stefan-Mihai PETREA, Floricel Maricel DIMA, Neculai PATRICHE, Catalina ITICESCU, Elena-Cristina OANCEA, Marilena-Florentina LACATUS, HEAVY METALS ACCUMULATION IN THE TISSUES OF THE COMMON REED (*PHRAGMITES AUSTRALIS*), Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering. Vol. XII, 2023 Print ISSN 2285-6064, CD-ROM ISSN 2285-6072, Online ISSN 2393-5138, ISSN-L 2285-6064, FI = 0,4

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1.59. Ahmed H Arnous, Anjan Biswas, Abdul H Kara, Yakup Yıldırım, Luminita Moraru, **Catalina Iticescu**, Simona Moldovanu, Abdulah A Alghamdi, Optical solitons and conservation laws for the concatenation model: Power-law nonlinearity, Ain Shams Engineering Journal, 2023, <https://doi.org/10.1016/j.asej.2023.102381>, FI = 6; Q1

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- 1.54.** Malik, S; Kumar, S; Biswas, A; Yildirim, Y; Moraru, L; Moldovanu, S; **Iticescu, C**; Moshokoa, S P; Bibicu, D; Alotaibi, A, Gap Solitons in Fiber Bragg Gratings Having Polynomial Law of Nonlinear Refractive Index and Cubic-Quartic Dispersive Reflectivity by Lie Symmetry, *Symmetry-Basel*, 2023, Volume 15, Issue 5, Art. no. 963, DOI: 10.3390/sym15050963, FI = 2,7, Q2
- 1.53.** Malik, S; Kumar, S; Biswas, A; Yildirim, Y; Moraru, L; Moldovanu, S; **Iticescu, C**; Alotaibi, A, Highly Dispersive Optical Solitons in the Absence of Self-Phase Modulation by Lie, *Symmetry, Symmetry-Basel*, 2023, Volume 15, Issue 4, Art. no. 885, DOI: 10.3390/sym15040886, FI = 2,7, Q2
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- 1.50.** Ahmed M Elsherbeny, Ahmed H Arnous, Anjan Biswas, Oswaldo González-Gaxiola, Luminita Moraru, Simona Moldovanu, **Catalina Iticescu**, Hashim M Alshehri, Highly Dispersive Optical Solitons with Four Forms of Self-Phase Modulation, *Universe*, 2023, 9(1), 51; <https://doi.org/10.3390/universe9010051>, FI = 2,9, Q2
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- 1.44. Arseni, M., Roșu, A., Petrea, Ștefan M., Călmuc, M., Roșu, B., Constantin, E., **Iticescu, C.**, Georgescu, P.L., 2022. The positive effects of channels restoration in the Danube Delta Biosphere Reserve. *Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering. Vol. XI, 2022*
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- 1.36.** Elena Simina Lakatos, Yong Geng, Andrea Szilagyi, Sorin Dan Clinci, Lucian Georgescu, **Catalina Iticescu*** (author correspondent), Ionel Cioca, Conceptualizing Core Aspects on Circular Economy in Cities, *Sustainability* 2021, 13, 7549. <https://doi.org/10.3390/su13147549>, FI = 3,889, FIC = 4,089, Q2
- 1.35.** Valentina Andreea Calmuc, Madalina Calmuc, Maxim Arseni, Catalina Maria Topa, Mihaela Timofti, Adrian Burada, **Catalina Iticescu***(author correspondent) and Lucian P. Georgescu, Assessment of Heavy Metal Pollution Levels in Sediments and of Ecological Risk by Quality Indices, Applying a Case Study: The Lower Danube River, Romania, *Water* 2021, 13, 1801. <https://doi.org/10.3390/w13131801>, FI = 3,530; FIC = 3,628, Q2
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- 1.30.** Maxim Arseni, Adrian Rosu, Madalina Calmuc, Valentina Andreea Calmuc, **Catalina Iticescu** and Lucian Puiu Georgescu, Development of Flood Risk and Hazard Maps for the Lower Course of the Siret River, Romania, *Sustainability* **2020**, *12*(16), 6588; doi:10.3390/su12166588, FI = 2,576
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1.20. **Cătălina Iticescu**, Gabriel Murariu, Lucian P. Georgescu, Adrian Burada, Cătălina Maria Țopa. Seasonal variation of the physico-chemical parameters and Water Quality Index (WQI) of Danube water in the transborder Lower Danube area. *Rev. De Chimie (Bucharest)*, 67, no. 9, 2016, p. 1843 - 1849 (IF = 1,232)

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2. Brevete de inventie

1. **Method for introducing sludge from waste water purification plant, involves converting sludge into powder, sintering with coke powder, mixing with agglomerate charge and transferring charge to agglomeration belt**

Metoda de utilizare a namolurilor de epurare a apelor uzate in procesul de obtinere a fontei

Brevet de inventie nr. 129647 (30.08.2017)

Acordat de catre: Oficiul de Stat pentru Inventii si Marci

Titulari: GURAU G; GEORGESCU P L; CANANAU N; ITICESCU C; GURAU M C

Inventori: GURAU G; GEORGESCU P L; CANANAU N; ITICESCU C; GURAU M C

2. **Collection of microplastics from water surface e.g. rivers, involves collecting water infested with microplastics from surface and bottom of rivers or lakes, and filtering water using screens having variable dimensions and preset mesh size**

Inventors:

ARSENI M; CALMUC M; CALMUC V; ROSU A; MUNTENITA C; GEORGESCU P L; ITICESCU C

Patent Assignee

[UNIV GALATI DUNAREA JOS\(UYGA-Non-standard\)](#)

Derwent Primary Accession Number

2021-62945W

Indexed

2021-07-25

Patent no. RO134991-A2

3. **Method for determining pollutants in atmosphere, involves extracting information related to amount of gaseous pollutants in atmosphere from solar spectra recorded with device for multi-angle differential optical absorption spectroscopy**

Inventors:

ROSU A; ROSU B; CONSTANTIN D; ARSENI M; VOICULESCU M; GEORGESCU P L; GURAU G; ITICESCU C

Patent Assignee
UNIV GALATI DUNAREA JOS(UYGA-Non-standard)

Derwent Primary Accession Number

2021-62944X

Indexed

2021-07-01

Patent no. RO134992-A2

4. Method for changing geometry and configuration of vertical unmanned aerial vehicles, involves supporting rigidly fixed front motor to move by sliding support depending on autopilot control mode for eliminating any disturbance or dangerous oscillation caused by transported load

Inventors:

MURARIU G; DRAGU M D; GEORGESCU P L; ITICESCU C; EPURE S; MUNTEANU D; DRASOVEAN R

Patent Assignee

[UNIV GALATI DUNAREA JOS\(UYGA-Non-standard\)](#)

Derwent Primary Accession Number

2022-47563J

Indexed

2022-11-03

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10. Bogdan ROŞU, Gabriel Murariu, Maxim Arseni, **Cătalina Iticescu**, George Danut Mocanu, Nicoleta-Lucica Simionescu, Adrian Roşu, 2023, Study on optimizing the effluent quality parameters for a simulated wastewater treatment plant using dynamic two-dimensional reference point generation: A comparative approach, Proceedings of IEEE 28th International Conference on Emerging Technologies and Factory Automation (ETFA)", Sinaia, Romania, 2023, pp. 4-8, doi: 10.1109/ETFA54631.2023.10275667

9. **Catalina Iticescu**, Lucian P. Georgescu, Gabriel Murariu, Adrian Cîrciumaru, Mihaela Timofti, The Characteristics of Sewage Sludge Used on Agricultural Lands, AIP Conference Proceedings 2022, 020001 (2018); doi: 10.1063/1.5060681, *Nov. 2018, p: 02001 – 1 – 02001 - 8*

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27. Bogdan Burlacu, Lucian Georgescu, **Catalina Iticescu**, Gabriel Murariu, Adrian Gabriel Murariu, Ciprian Vlad, IR quality assessment in the Galati area, ANNALS OF “DUNAREA DE JOS” UNIVERSITY OF GALATI, Mathematics, physics, theoretical mechanics, FASCICLE II, YEAR VIII (XXXIX) 2016, No. 1, 66-70

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3. **Iticescu, C.**, Mușat, V., *Thermal Stability in Air of Coprecipitated Mixed Oxide Powders*, The Annals of „Dunărea de Jos” University of Galati, fascicle IX, Metalurgy and Materials Science, **2001**,p. 48-51, ISSN 1453-083X.

2. **Iticescu, C.**, Mușat,V., „On the Water Elimination from coprecipitated Ferrite Powders”, The Annals of „Dunărea de Jos” University of Galati, fascicle IX, Metalurgy and Materials Science, **1999**, p. 61-64, ISSN 1453-083X

1. **Iticescu, C.**, Mușat,V., „Cations Distribution and Manganetic Properties of Manganese Ferrite Powder Prepared by Coprecipitation from MnO₂ and FeSO₄•7H₂O”, The Annals of „Dunărea de Jos” University of Galati, fascicle IX, Metalurgy and Materials Science, **1999**, p.65-68, ISSN 1453-083X.

5. Articole publicate in reviste recunoscute CNCSIS (a se vedea lista revistelor recunoscute la adresa www.cncsis.ro)

5. **C. Iticescu**, G. Cârâc, O. Mitoseriu (**2003**),”The Optimization of Parameters in Copper Coatings Obtained by Electroless Plating,” The 11th Conference on Physical Chemistry, Timisoara, Romania (Romanian national symposium with international participation), 3-5 September. Timisoara. Annals of West University of Timisoara, Series Chemistry, vol. 12, no.3, **2003**, p. 569-575

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1. **C. Iticescu**, G. Cârâc, O. Mitoseriu, “Behaviour at the Corrosion of Copper Electroless Plating Using Particles in the Electrolyte”, The 3th Conference of the Faculty of Chemistry, 13-15 November **2002**, Iasi, Romania. Bulletin I.P. of Iasi, Tome XLIX (LIII), Fascia. 5 Chemistry and Chemical Engineering, p.201-206

6. Articole publicate în buletine ale simpozioanelor cu participare internațională

1. G. Carac, P. Popa, **C. Iticescu**, L. P. Georgescu, “Acidity Constants for Organic Acids”, International Symposium, Euro-Aliment **2005**, 29-30 September, ISBN 973-8316-15-4, pg.115-120

7. Articole publicate în buletine ale simpozioanelor nationale

6. **C. Iticescu**, G. Carac, M. Murarescu, O. Mitoseriu, *Effect of Nd₂O₃ Particles in the Copper Coatings Obtained by Electroless*, Al IX-lea Simpozion International Chimia Coloizilor si Suprafetelor, iunie **2008**, Galati, Romania
5. **C. Iticescu**, D. Dima, *Synthesis of ZnO Nanoparticles by Polymer Thermolysis*, , Al IX-lea Simpozion International Chimia Coloizilor si Suprafetelor, iunie **2008**, Galati, Romania
4. G. Cârâc, T. Florea, **C. Iticescu** and P. Popa, “Additives Influence in the Copper Deposition”, papers of 8th Symposium of Colloid and Surface Chemistry, iunie **2005**, Galați, ISBN 973-8316-84-7, p. 200-204
3. **C. Iticescu**, O. Mitoseriu, M. Murarescu, “Copper Coatings Obtained by Electroless Deposition from Electrolytes Containing Phosphorus Particles in Suspension”, Papers of 8th Symposium of Colloid and Surface Chemistry, iunie **2005**, Galați, ISBN 973-8316-84-7, p. 196-199
2. O. Mitoşeriu, **C. Iticescu**, „Influența concentrației fazei disperse asupra obținerii și proprietăților compozitelor Cu/P”, Tehnomus-XII, Suceava 1-3 iunie **2003**, Edit. Univ. Suceava, p. 330-335

1. O. Mitoseriu, C. **Iticescu** and A. Preda , „Comparative Studies Concerning the Chemically and Electrochemically Obtaining of Cu-P Composite Coatings”, The 10th Conference “Realization and Development in Metallurgy and the Science Materials”, Galati, Romania, 3-5 October **2000**, Publicată în volumul „Realizări și perspective în metalurgie și știința materialelor”

D. PROIECTE DE CERCETARE-DEZVOLTARE PE BAZĂ DE CONTRACT

1. Proiecte internaționale

1.7. HORIZON-MISS-2021-OCEAN-02, DANUBE REGION WATER LIGHTHOUSE ACTION, Project: 101094070 — DALIA, 01.01.2023 – 31.12.2026

Valoare totala: 8627861,25 Euro

Valoare UGAL: 300000 Euro

Responsabilitate: **responsabil partener**

1.6. HORIZON-MISS-2022-OCEAN-02, *Restoration of wetland complexes as life supporting systems in the Danube Basin, Restore4Life*, Project number 101112736, 17.05.2023 – 16.05.2027.

Valoare totală: 8 300 641.25 Euro

Valoare UDJG: 218 340.00 Euro

Responsabilitate: cercetător.

1.5. Black Sea Basin Joint Operational Programme, *Innovative Instruments for Environmental Analysis in North Western Black Sea Basin* (Blak Sea e-EYE), MIS- ETC 1475, 2013 - 2015

Responsabilitate: expert

1.4. Colaborare bilaterala Romania – Moldova Proiect PN II, programul CAPACITATI, **2010 - 2012**, *Gestionarea durabilă a solurilor antropizate prin monitorizare si tehnologii ecologice de remediere* (621000 lei)

Acronim: GESTDURSOL

Responsabilitate: **director proiect.**

1.3. Programul TEMPUS, **2010-2012**, proiect *Modernisation of Post-Graduate Studies in Chemistry and Chemistry Related Programmes*

Acronim: MCHM

Responsabilitate: expert

1.2. Proiectul de cooperare bilaterala Romania-Germania (COBIL) ROM 01/014, **2002-2004**: *Investigații electrochimice de codepunere a particulelor mici (SiC, CeO₂, diamant) în matrice de cupru, cobalt, zinc și aur*

Responsabilitate: membru in echipa

1.1. COST Action D19, *Chemical Functionality Specific to the Nanometer Scale*, 2004 - 2006

Responsabilitate: membru in echipa

2. Proiecte naționale

2.19. PNRR/2022/C9/MCID/I5, *Cercetare integrată și soluții sustenabile pentru protecția și restaurarea ecosistemelor din bazinul inferior al Dunării - zona costieră a Mării Negre*, Dec. 2022 – Dec. 2025

Valoare totală proiect: 18749960 lei

Valoare UGAL: 2467100 lei

Responsabilitate: **responsabil instituțional**

2.18. Programul Operațional Competitivitate, Apel: POC/448/1/1/Mari infrastructuri de CD, *Sistem integrat pentru cercetarea și monitorizarea complexă a mediului în aria fluviului Dunărea*, REXDAN, cod SMIS 127065, 10 iulie 2020 – 31 decembrie 2023.

Valoare totală proiect: 91.972.096,30 lei (aproximativ 19 milioane euro)

Responsabilitate: **director proiect**

2.17. Dezvoltarea sistemului național de CD, Performanța instituțională – Proiect de dezvoltare instituțională, 2021 – 2024, *Excelență și implicare în dezvoltarea inteligență bazată pe cercetare și inovare la Universitatea Dunărea de Jos din Galați (UDJG) – DINAMIC*, 12PFE/30.12.2021

Valoare proiect: 6.143.000,00 RON

Responsabilitate: expert.

2.16. Proiect POIM, Revizuirea planului de management și a regulamentului RBDD” COD MYSMIS 2014+ 123322, 18 iunie 2019 – 31 decembrie 2023.

Valoare proiect: 43.529.702,20 lei

Valoare UGAL: 6.177.794,04 lei

Responsabilitate: expert tehnic UDJG.

2.15. Programul PN III, proiect suport de management: *Strategie și acțiuni pentru pregătirea participării naționale la Proiectul DANUBIUS – RI*, DANS, 4/2018, 7 mai 2018 – 6 iulie 2019, Coordonator proiect. INCDSB București

Valoare totală 26.072.882 lei din care UDJG: 6181300 lei.

Responsabilitate: **Coordonator P3**, UDJG

2.14. Dezvoltarea sistemului național de CD, Performanța instituțională – Proiect de dezvoltare instituțională, *Excelență, performanță și competitivitate în CDI la Universitatea ”Dunărea de Jos” din Galați*, EXPERT, 14 PFE/17.10.2018

Valoare proiect: 7.004.913,22 RON

Responsabilitate: expert.

2.13. Programul PN III, proiect Bridge Grant, nr. 79BG. Cod proiect PN-III-P2-2.1-BG-2016-0307, *Eficientizarea procesului tehnologic de obținere a nămolurilor de epurare utilizabile în agricultură*, Eficient, 1.10. 2016 – 30 septembrie 2018

Valoare totală: 460000 lei.

Responsabilitate: **director proiect**

2.12. Programul PN III, Resurse umane, Proiect de mobilitate pentru cercetători, 21/2017, *Multivariate analysis of physico-chemical parameters and WQI of Lower Danube water to identify potential pollution sources*.

Valoare: 13750 lei.

Responsabilitate: Director proiect

2.11. Proiect sectorial 3PS/2017 - *Cercetări în sprijinul dezvoltării capacității de monitorizare, evaluare și valorificare a resurselor naturale oferite de zonele umede de importanță internațională din România și de zona costieră a Mării Negre*.

Responsabilitate: expert.

2.10. Proiect sectorial 4PS/2017 - *Cercetări în sprijinul dezvoltării capacității de evaluare și atenuare a impactului schimbărilor climatice și a altor factori de stress asupra stării ecosistemelor forestiere și a culturilor viticole.*

Responsabilitate: expert.

2.9. Proiect sectorial 6PS/2017 - *Cercetări în sprijinul modernizării sistemului național de monitorizare a ecosistemelor silvice prin utilizarea tehnicilor de teledetecție și a sistemelor de tip UAV.*

Responsabilitate: expert.

2.8. Proiect sectorial 1PS/2017 - *Strategie și metode pentru stimularea promovării rezultatelor activității de cercetare și noi instrumente pentru dezvoltarea pieței CDI.*

Responsabilitate: expert.

2.7. Membru în proiect PN II, Parteneriate; 32121 /2008, *Ecotehnologii de reabilitare și reconstituire ecologică a solurilor contaminate în zona depozitelor de deseuri urbane și industrial (2008 – 2011).* Acronim: ECORES

2.6. Membru în proiect PN II, Parteneriate 32 102/2008, *Cercetari privind determinarea proceselor și parametrilor optima pentru imbunatatirea gradului de remediere a solurilor contaminate cu hidrocarburi (2008 – 2011).* Acronim: TERESOL

2.5. Membru în proiectul ”Filme oxidice nanostructurate multifuncționale obținute prin metode chimice pe cale umedă” Grant CNCSIS, **2007-2008**

2.4. Membru în proiectul CEEEX: „Oportunități europene pentru cercetarea națională activă în domeniul nanotehnologiilor: Conferință și workshop pentru promovarea transferului tehnologic”, **2006-2007**

2.3 Membru în proiectul CEEEX: „Centru regional de cercetare și monitorizare a calității mediului”, **2006-2008**

2.2. Membru în proiectul CEEEX: “Compozite microfiltrante performante- soluție eficientă pentru siguranța alimentară”, **2006-2008**

2.1. Membru în proiectul ”Straturi compozite nanostructurate obtinute electrochimic, destinate protectiei suprafetelor functionale in sisteme tribocorozive”, Grant CNCSIS, **2005-2007**

3. Proiecte de cercetare aplicativă

3.11. Proiect de cercetare aplicativă, acord cadru 36466/27.11.2023, *Cercetări asupra parametrilor de mediu în ecosistemele acvatice, 27.11.2023 – 31.12.2024*

Valoare proiect: 150.000,00 Euro

Responsabilitate: **director proiect.**

3.10. Proiect de cercetare aplicativă, acord cadru 5206/16.02.2022, *Impactul metalelor grele și microplasticului din organismele acvatice asupra sănătății umane, 16.02.2022 – 15.02.2024.*

Valoare proiect: 200.000,00 Euro

Responsabilitate: **director proiect.**

3.9. Proiect de cercetare aplicativă, **787/29.02.2022**, *Analiza calitativă și cantitativă din probe prelevate din fluviul Dunărea, 01.04.2022 – 31.03.2023*

Valoare proiect: 28.000,00 lei

Responsabilitate: **director proiect.**

3.8. Proiect de cercetare aplicativă, **731/2017**, *Tehnologii de valorificare a nămolurilor rezultate din stațiile de epurare orășenești și a deșeurilor din gropile de gunoi*, contract cu INCDPM București, octombrie 2017 – noiembrie 2018.

Valoare proiect: 108.000 lei.

Responsabilitate: **director proiect.**

3.7. Proiect de cercetare aplicativă, **721/2017**, CERCETARI ASUPRA DISPERSIEI EMISIILOR REZULTATE DIN INSTALATIA DE USCARE, NEUTRALIZARE SI VALORIFICARE TERMICA A NAMOLULUI DIN CADRUL SEAU-BRAILA

Valoare totala: 13500 lei

Responsabilitate: **director proiect.**

3.6. Proiect de cercetare aplicativă **692/23.12.2016**, STUDIU ASUPRA NAMOLULUI PROVENIT DE LA STATIA DE EPURARE A APELOR UZATE BRAILA

Valoare totala: 6000 euro.

Responsabilitate: **director proiect.**

3.5. Proiect de cercetare aplicativă **649/7.04.2015**, contract de cercetare aplicata, STUDIU ASUPRA TRAFICULUI DIN MUNICIPIUL GALATI

Valoare totala: 43312 lei.

Responsabilitate: **director proiect.**

3.4. Proiect de cercetare aplicativă **630/2014**, STUDIU IN VEDEREA POSIBILITATILOR DE UTILIZARE INDUSTRIALA SAU AGRICOLA A NAMOLULUI PROVENIT DIN STATIILE DE EPURARE A APEI UZATE MUNICIPALE

Valoare totala: 9100 Euro.

Responsabilitate: **director proiect.**

3.3. Membru in proiectul, *Cinetica proceselor chimice catalizate heterogen in medii de lichide supercritice*, subcontract nr. 354/2004 (parte a proiectului CERES)

3.2. Membru in proiectul, “Analize fizico-chimice la instalația de neutralizare”, pentru SC Dunacor S.A. Braila, cercetare aplicativa, **2002**

3.1. Membru in proiectul, “ Tehnologii fizico-chimice specifice proceselor de depoluare” pentru S.C. Dunacor S.A. Braila- cercetare aplicativa, **2001-2002**

4. Proiecte POSDRU si educationale

4.14. Proiect FSS 120/30/GP/10.03.2023, Organizarea conferinței: Planurile de management ale ariilor protejate in contextul dezvoltării durabile. Partizanii academici și stakeholderi, 58500 lei.

Responsabilitate: **director proiect**

4.13. Fondul pentru Finanțarea Situațiilor Speciale, proiect FSS nr. 51/GP/2/21.02.2022, acțiunea susținerea acțiunilor desfășurate de instituțiile de învățământ superior pentru dezvoltarea internaționalizării, februarie – decembrie 2022.

Valoare proiect: 178865 lei.

Responsabilitate: **director proiect.**

4.12. Fondul de dezvoltare institutionala (FDI), proiect CNFIS – FDI – 2020 – 0094, Calitate, educatie si dimensiune internationala la Dunarea de Jos, UGAL20, aprilie – decembrie 2020

Valoare proiect: 370800 lei.

Responsabilitate: **director proiect.**

4.11. Fondul de dezvoltare institutionala (FDI), proiect CNFIS – FDI – 2019 – 0084, Responsabilitate, eficienta si performanta prin internationalizarea invatamantului superior, REGAL, mai – dec. 2019.

Valoare proiect: 230000 lei.

Responsabilitate: expert.

4.10. Fondul de dezvoltare institutionala (FDI), proiect CNFIS – FDI – 2018 – 0054, Internationalizarea activităților academice si a cercetarii in UGAL, ACADEMIC, mai – decembrie 2018

Valoare proiect: 230000 lei.

Responsabilitate: **director proiect.**

4.9. Fondul de dezvoltare institutionala (FDI), proiect CNFIS – FDI – 2017 – 0050, Excelenta in educatie si cercetare stiintifica in contextul internationalizarii si globalizarii la Dunărea de Jos, GO-UGAL

Valoare proiect: 180000 lei.

Responsabilitate: **director proiect.**

4.8. Fondul de dezvoltare institutionala (FDI): Calitate, mobilitate si diversitate in contextul internationalizarii activitatilor Universitatii „Dunarea de Jos” din Galati, UDJGI, 2016

Valoare: 245000 lei

Responsabilitate: expert.

4.7. Proiect POSDRU – DMI 6.3 Promovarea egalitatii de sanse pe piata muncii, 02.05.2014 – 15.12.2015, Sustinerea egalitatii de sanse si promovarea profesionala a femeilor – PROGRES, id 129743.

Valoare totala eligibila: 12047093.00 lei.

Responsabilitate: **manager proiect.**

4.6. Proiect POSDRU – Programe doctorale și postdoctorale în sprijinul cercetării, 2014 – 2015, Performanta sustenabila in cercetarea doctorala si post doctorala-PERFORM, id. 138963.

Valoare totala eligibila: 13000000 lei

Responsabilitate: expert raportare tehnica.

4.5. Proiect POSDRU, 2014 - 2015 – Sisteme de calitate si internaționalizare in învățământul superior din filiera Turism-Mediu-Cultură, id 141248

Valoare totala eligibila: 2106844 lei

Responsabilitate: expert informare – orientare - consiliere

4.4. Proiect POSDRU – Programe doctorale și postdoctorale în sprijinul cercetării, 2010 – 2013, Calitatea si continuitatea formarii in cadrul ciclului de studii doctorale – TOPACADEMIC, contract POSDRU 76822.

Valoare totala eligibila: 19051159,68 lei

Responsabilitate: manager asistent.

4.3. Proiect POSDRU – Programe doctorale și postdoctorale în sprijinul cercetării, **2009 – 2012**, *Eficientizarea activitatii studentilor din cadrul ciclului de studii doctorale – EFICIENT*, contract POSDRU/88/1.5/S/61445.

Valoare totala eligibila: 15025295.65 lei

Responsabilitate: asistent manager.

4.2. Proiect POSDRU – Programe doctorale și postdoctorale în sprijinul cercetării, **2008-2011**, *Sistem de Management al Burselor Acordate Doctoranzilor - SIMBAD*, Contract POSDRU/6/1.5/S/15/6853.

Valoare totala eligibila: 5655774 lei

Responsabilitate: expert pe termen lung, responsabil cu activitatea de diseminare si IT

4.1. Proiect POSDRU: Dezvoltarea unui sistem operațional al calificărilor din învățământul superior din România- DOCIS, contract POSDRU/2/1.2/S/2

Responsabilitate: expert pe termen scurt pentru domeniul de licenta Reconstrucție ecologica, Ingineria mediului si domeniul de masterat Monitorizarea si managementul mediului.

E. ALTE LUCRĂRI ELABORATE ȘI CONTRIBUȚII ȘTIINȚIFICE

1. C. Iticescu, P. L. Georgescu, M. Calmuc, V. Calmuc, C. Topa, CLIMATIC AND ANTHROPOGENIC INFLUENCES ON WATER QUALITY IN LAKE BRATES, ROMANIA, XXIII SGEM Vienna Green Scientific Sessions "Green Science for Green Life" focus on Global Warming, Climate Change, CO2 Reduction, Biodiversity, and Green Technologies for a Sustainable Future, 2023, Vienna, 28.11 – 01.12 2023

2. Bogdan Roșu; Gabriel Murariu; Maxim Arseni; Cătălina Iticescu; George Danut Mocanu; Nicoleta-Lucica Simionescu; Adrian Roșu, *Study on optimizing the effluent quality parameters for a simulated wastewater treatment plant using dynamic two-dimensional reference point generation: A comparative approach*, 2023 IEEE 28th International Conference on Emerging Technologies and Factory Automation (ETFA), 12-15 September 2023

3. Andreea-Miruna Codreanu, Valentina-Andreea Călmuc, Adelina Ștefania Milea, Cătălina Iticescu, Puiu-Lucian Georgescu, UHPLC-HRMS analysis of PFAS in freshwater from the lower danube area, Conferința "Research – Innovation – Innovative Entrepreneurship", Chișinău, Moldova, 13-14 octombrie 2023

4. Nina Nicoleta Lazăr, Mihaela Timofti, Cătălina Iticescu, Mădălina Călmuc, Valentina-Andreea Călmuc, Ira-Adeline Simionov, Adelina Ștefania Milea, Multielement analysis in mussels using total reflectance x-ray fluorescence, Conferința "Research – Innovation – Innovative Entrepreneurship", Chișinău, Moldova, 13-14 octombrie 2023

5. Adelina Ștefania Milea, Nicoleta Stanciuc, Puiu-Lucian Georgescu, Cătălina Iticescu, Sustainable valorization of agri-food wastes and by-products, Conferința "Research – Innovation – Innovative Entrepreneurship", Chișinău, Moldova, 13-14 octombrie 2023

6. Mihaela TIMOFTI, Cătălina ITICESCU, Mădălina CALMUC, Valentina-Andreea CĂLMUC, Ira SIMIONOV, Nina LAZĂR, Alina ANTACHE, Miruna CODREANU, ENVIRONMENTAL MONITORING OF NAVIGABLE SECTOR OF

THE DANUBE RIVER IN REXDAN RESEARCH INFRASTRUCTURE , The 18th Edition of Present Environment and Sustainable Development International Conference, 9 - 10 June, Iasi, Romania

7. Daniel-Eduard CONSTANTIN, Mirela VOICULESCU, Lucian GEORGESCU, Adrian ROȘU, Cătălina ITICESCU, THE INFLUENCE OF METEOROLOGICAL PARAMETERS IN THE DIURNAL AND SEASONAL VARIATION OF ATMOSPHERIC MICRO- AND NANOPARTICLES, The 18th Edition of Present Environment and Sustainable Development International Conference, 9 - 10 June, Iasi, Romania

8. THE WASTE MANAGEMENT SYSTEM IN GALATI COUNTY AND THE IMPACT ON THE ENVIRONMENT Viorel CĂLINESCU , Lucian GEORGESCU, Cătălina ITICESCU, Maria-Cătălina ȚOPA, The 18th Edition of Present Environment and Sustainable Development International Conference, 9 - 10 June, Iasi, Romania

9. Marcel Daniel Popa, Ira Simionov, Catalina Iticescu, Wastewater treatment using micro-algae – A review, SCIENTIFIC CONFERENCE OF DOCTORAL SCHOOLS – Perspectives and challenges in doctoral research, SCDS-UDJG 2023, The Eleventh Edition, GALAȚI, 8-9 of June 2023

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