

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

B. CĂRȚI/ÎNDRUMARE CU CHARACTER 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
6. Șt. Dima, **C. Iticescu**, *Chimie Fizică – Lucrări de laborator*, Ed. Fundației Universitare, 2002, ISBN 973-627-001-7, 135 p

C. ARTICOLE ȘTIINȚIFICE

1. Articole publicate în reviste cotate ISI

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*. Chemistry Magazine (Bucharest), (IF = 0,810) acceptată spre publicare să va apărea în volumul 9/2016.

1.19. V. PINTILIE, A. ENE, L. P. GEORGESCU, L. MORARU, C. ITICESCU, MEASUREMENTS OF GROSS ALPHA AND BETA ACTIVITY IN DRINKING WATER FROM GALATI REGION, ROMANIA., Romanian Report in Physics, Volume 68, no. 2, 2016, <http://www.rrp.infim.ro/IP/A142.pdf>

1.18. D. Buruiana, S. Balta, **C. Iticescu**, L. P. Georgescu, I. Humeniuc, Determining the Concentration of Heavy Metals in the Soils Near Slag Landfill, Revista Romana de Materiale, 1/2016, 106 – 114

1.17. C. Iticescu, L. P. Georgescu, G. Gurau, M. Murarescu, D. Dima, G. Murariu, C. Gheorghies, METHODS TO REDUCE ENVIRONMENTAL IMPACT OF

MUNICIPAL WASTE WATER SEWAGE SLUDGE, *Environmental Engineering and Management Journal*, vol. 14, no. 10, p. 2457 – 2463

1.16. Gabriel Murariu, **Catalina Iticescu**, Lucian Georgescu, Ionut Mocanu, Catalina Topa, Michaela Dobre, THE OPTIMIZATION OF URBAN SELECTIVE WASTE COLLECTION ACTIVITY: GALATI CITY CASE STUDY, *Environmental Engineering and Management Journal*, vol.14, no. 10, 2015, p. 2471 – 2492

1.15. M. C. Țopa, M. Timofti, A. Burada, **C. Iticescu**, L. P. Georgescu. *Danube water quality during and after flood near an urban agglomeration*. *Journal of Environmental Protection and Ecology*, vol. 16, no. 4, 2015, p. 1255 – 1261

1.14. A. Burada, C. M. Topa, L. P. Georgescu, L. Teodorof, C. Nastase, D. Seceleanu-Odor, **C. Iticescu**, Heavy Metals Environment Accumulation in Somova – Parches Aquatic Complex from the Danube Delta Area, *REV. CHIM. (Bucharest)*, 66, No. 1, 2015, p.48 – 54

1.13. D. Buruiana, **C. Iticescu**, G. Tirona, S. Pintilie, C. S. Simionescu, M. Barnaure, S. Balta, Influence of Nanoparticles in Membranes Proprieties, *Revista Materiale Plastice*, vol. 52, nr. 4/2015, p. 608 - 611

1.12. **C. Iticescu**, L. P. Georgescu, C. Topa, G. Murariu, Monitoring the Danube Water Quality near the Galati City, *Journal of Environmental Protection and Ecology (JEPE)*, Vol.15, No 1 (2015), p. 30 – 38

2.11. A. Burada, C. M. Țopa, L. P. Georgescu, L. Teodorof, C. Năstase, D. Seceleanu Odor, B. M. Negrea, **C. Iticescu**, Heavy metals accumulation in plankton and water of four aquatic complexes from Danube Delta area, *AACL BIOFLUX*, 2014, Volume 7, Issue 4, 301 – 310

1.10. **C. Iticescu**, L. P. Georgescu, C. M. Topa, *Assessing the Danube Water Quality Index in the City of Galati, Romania*, *Carpathian Journal of Earth and Environmental Sciences*, November 2013, Vol. 8, No. 4, p. 155 – 164

1.9. **C. Iticescu**, L. P. Georgescu, G. Murariu, *Potential Effects of pH Variation Depending on the Temperature in the Drinking Water Supply System*, *Journal of Environmental Protection and Ecology*, Vol 13, No.3 (2012), p.1324 -1332, p. 1324 – 1332

1.8. Enrico Barbone, Ilaria Rosati, Aurelia Caldararu, Alberto Basset, Lucian P. Georgescu, **Catalina Iticescu**, *ABIOTIC FILTERING OF BENTHIC INVERTEBRATE GUILDS IN THE MARGHERITA DI SAVOIA SALT PAN, ITALY*, *Environmental Engineering and Management Journal*, April/2012, Vol. 11, Nr. 4, ISSN: 1843 - 3707, p. 717 – 723

1.7. G. Murariu, L. Georgescu, **C. Iticescu**, M. Dobre, V. Gogoncea, *Specific Diffusion Using the Monte Carlo Simulation*, *Journal of Environmental Protection and Ecology*, Vol 13, No.3A (2012), p. 2007-2013

1.6. A. Caldararu, I. Rosati, E. Barbone, L. P. Georgescu, **C. Iticescu**, A. Basset, *Implementing european water framework directive: uncertainty degree of metrics for macroinvertebrates in transitional waters*, *Environmental Engineering and Management Journal*, September 2010, Vol.9, 1259-1266

1.5. **C. Iticescu**, G. Carac, O. Mitoseriu and Th. Lampke, *Electrochemical Deposition of Composite Coatings in Copper Matrix with TiO₂ Nanoparticles*, *Revue Roumaine de Chimie*, **2008**, 53(1), 43–47

- 1.4. G. Cârâc, **C. Iticescu**, Th. Lampke and S. Steinhäuser, *Effect of nano- Al_2O_3 particles in the electrodeposition with Ni*, Revue Roumaine de Chimie, **2007**, 52(11), 1057-1062, ISSN 0035-3930
- 1.3. V. Musat, E. Fortunato, D. Stefan, **C. Iticescu**, *Mesoporous sol-gel silica-based nanocomposite thin films*, Revue Roumaine de Chimie, **2007**, 52(7), 671-676, ISSN 0035-3930
- 1.2. G. Cârâc, L. Benea, **C. Iticescu**, Th. Lampke, S. Steinhäuser and B. Wielage: “Codeposition of Cerium Oxide with Nickel and Cobalt: Correlation Between Microstructure and Microhardness”, Surface Engineering, ISSN – 0267 –0844, vol. 20, No. 5, October **2004**, p. 353-359
- 1.1. O. Mitoseriu, **C. Iticescu**, G. Cârâc: “Study on the Electrochemical Deposition of Cu/CeO₂ Composite Coatings of Acid Electrolytes” Revista de Chimie, Bucuresti-Romania, Chem. Abs.: RCBUAU 55 (7) (473-572), ISSN 0034-7752, Vol.55, no. 7, **2004**, July, p. 525-529

2. Brevete de inventie

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

Patent Number: RO129647-A0/2014

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

Inventor(s): GURAU G; GEORGESCU P L; CANANAU N; et al.

3. ISI Proceedings

1. G. Jigau, M. Motelica, M. Lesanu, E. Tofan, L. Georgescu, C. Iticescu, V. Rogut, S. Nedea, **Heavy Metals in the Anthropogenic Cycle of Elements**, [Soil as World Heritage](#), Ed. Springer, 2014, pp 61-68
2. G. Jigau, M. Motelica, M. Lesanu, I. Chircu, E. Tofan, L. Georgescu, C. Iticescu, **Structural Indices of Typical Chernozem Under Various Methods of Tillage**, [Soil as World Heritage](#), Ed. Springer, 2014, pp 395-403
3. G. Murariu, L. Georgescu, M. Dobrea, **C. Iticescu**, C. Topa, A. A. Dobrea (Popescu), M. Dobrea, *Using the physico-chemical and biological parameters in the state functions definition. Case study: River Candellaro (Italy)*, Current Opinion in Biotechnology, Volume 24, Supplement 1, July 2013, Pages S79–S80, European Biotechnology Congress 2013 (FI = 7,860)
4. G. Murariu, L. Georgescu, M. Timofti, **C. Iticescu**, C. Topa, P. Popa, I. R. Mocanu, *Comparison between pristine lagoon water systems in Romania and Italy. Case study — Leahova and Sinoe lagoons (Romania) and Cesine lagoon (Italy)*, Current Opinion in Biotechnology, Volume 24, Supplement 1, July 2013, Pages S66, European Biotechnology Congress 2013 (FI = 7,860)

4. Articole publicate în reviste indexate în baze de date internaționale

23. Cătălina Maria Țopa, Adrian Burada, **Cătălina Iticescu**, Lucian P. Georgescu, Gabriel Murariu. ASSESSING THE HEAVY METALS CONTENT FROM AQUATIC COMPLEX GORGOVA UZLINA FROM THE DANUBE DELTA, ROMANIA. TEHNOMUS Journal New Technologies and Products in Machine Manufacturing Technologies. No. 22 – 2015. Pg 324-329. ISSN-1224-029X.
22. Dumitru Dima, Monica Muraescu, **Catalina Iticescu**, Lucian Georgescu, Maria Catalina Topa. USE OF SEWAGE SLUDGE FROM THE WASTEWATER TREATMENT PLANT IN TECUCI - GALATI COUNTY AS FUEL. TEHNOMUS Journal New Technologies and Products in Machine Manufacturing Technologies. No. 22 – 2015. Pg 285-291. ISSN-1224-029X
21. Gabriel Murariu, Nicușor Nistor, Lucian Georgescu, Catalina Iticescu, Ciprian Vlad, ANALYTICAL SOLUTIONS FOR FREE OSCILLATING SYSTEM USING MAPLE SOFTWARE, Annals of the University Dunarea de Jos of Galati: Fascicle II, Mathematics, Physics, Theoretical Mechanics . 2014 Special Issue, Vol. 37, p137-141
20. Maria Cătălina Topa, Burada Adrian, Lucian P. Georgescu, **Cătălina Iticescu**, Gabriel Murariu. The evaluation of heavy metals content by analyzing seasonal variation of heavy metals from water in three lakes situated in the Danube Delta. Annals of „Dunarea de Jos” University of Galati Mathematics, Physics, Theoretical Mechanics, Fascicle II, Year VI (XXXVII) 2014, Special Issue, pg 51-55, 2014.
19. L. P. Georgescu, **C. Iticescu**, G. Murariu and C. Topa, ECOLOGICAL REVITALISATION OF BROWNFIELDS, A CHALLENGE FOR ROMANIA AND EASTERN EUROPE, *Journal of Food, Agriculture & Environment* Vol.12 (1): 503-507. 2014, FI – 0,435, FIC – 0.246
18. I. Cretescu, C. Pohontu, **C. Iticescu**, M. Cioroi, R. C. Ciocinta, D. Bucur, *Treatment of landfill leachate using Zea mays and Triticum sp. on antropogenic soils*, Journal: Food, Agriculture and Environment (JFAE), 2013, Vol. 11, Issue 3&4, p. 1507-1512 (FI = 0.246, FIC = 0.246)
17. Cătălina M. Topa, **Cătălina Iticescu**, Lucian P. Georgescu, Gabriel Murariu, TESTING THE INFLUENCES OF ENVIRONMENTAL VARIABLES ON BIOTIC INDICES TO ASSESS DANUBE WATER QUALITY, ANNALS OF “DUNAREA DE JOS” UNIVERSITY OF GALATI, MATHEMATICS, PHYSICS, THEORETICAL MECHANICS, FASCICLE II, YEAR V(XXXVI) 2013, No. 2, p. 270 – 276
16. Cătălina M. Țopa, Adrian Burada, **Cătălina Iticescu**, Lucian P. Georgescu, Dynamics of heavy metals in surface water from aquatic complexes Somova-Parcheș, ANNALS OF “DUNAREA DE JOS” UNIVERSITY OF GALATI, MATHEMATICS, PHYSICS, THEORETICAL MECHANICS, FASCICLE II, YEAR V(XXXVI) 2013, No. 2, p. 90 – 95
15. Adrian Burada, Cătălina M. Țopa, Lucian P. Georgescu, **Cătălina Iticescu**, Accumulation of heavy metals in sediments from the last part of Danube floodplain, ANNALS OF “DUNAREA DE JOS” UNIVERSITY OF GALATI, MATHEMATICS, PHYSICS, THEORETICAL MECHANICS, FASCICLE II, YEAR V(XXXVI) 2013, No. 2, p. 96 – 101

14. Maria CIOROI, **Catalina ITICESCU**, Lucian GEORGESCU, Gabriel MURARIU, Igor CRETESCU, *Study on evolution of geranio pelargonium plants planted on antropogenic soils irrigated by leachate from municipal landfills*, The Annals of Dunarea de Jos University of Galati, Fascicle IX, Metallurgy and Materials Science, YEAR XXX (XXXV), May 2012, special issue, p. 143 – 148
- 13 **Cătălina Iticescu**, Lucian P. Georgescu, Gabriel Murariu and Aurelia Căldărăru, *Estimation of corrosion and scale forming properties of water in water supply system*, ANNALS OF “DUNAREA DE JOS” UNIVERSITY OF GALATI MATHEMATICS, PHYSICS, Theoretical mechanics, FASCICLE II, YEAR III (XXXIV) 2011, p207
- 12 Lucian P. Georgescu, **Cătălina Iticescu**, Gabriel Murariu, Aurelia Caldaru and Grant Holder, *Water Quality Index of the Danube River Nearby Galati City*, ANNALS OF “DUNAREA DE JOS” UNIVERSITY OF GALATI MATHEMATICS, PHYSICS, theoretical mechanics, FASCICLE II, YEAR III (XXXIV) 2011, p211
11. Vlad, Gogoncea; Georgescu, Lucian P.; Murariu, Gabriel; **Iticescu, C.**; Dobrea, M., *Waste Management in Galati City Area*, Annals of the University Dunarea de Jos of Galati: Fascicle II, Mathematics, Physics, Theoretical Mechanics , 2011, Vol. 34 Issue 2, p351-357
- 10 **C. Iticescu**, M. Murarescu, *Comparative studies of composite coatings with CeO₂ and Nd₂O₃ in cooper matrix by electroless plating*, Food and Environment Safety - Journal of Faculty of Food Engineering, Stefan cel Mare University – Suceava, Year IX, No.4 – 2010, p.67-73
9. **C. Iticescu**, M. Murărescu, *Comparative studies of composite coatings with CeO₂ and TiO₂ in copper matrix*, The Annals of the “Dunărea de Jos” University of Galați, Mathematics, Physics, Theoretical Mechanics, Fascicle II, Supplement, Year III (XXXII), nr. 1, 2009, 80-85; web site: http://www.phys.ugal.ro/Annals_Fascicle_2/
8. C. Iticescu, M. Murărescu, *Effect of Al₂O₃ concentration as a dispersed phase in copper composites obtained by electroless and electrodeposition*, The Annals of the “Dunărea de Jos” University of Galați, Mathematics, Physics, Theoretical Mechanics, Fascicle II, Supplement, Year III (XXXII), nr. 1, 2009, 74-79; web site: http://www.phys.ugal.ro/Annals_Fascicle_2/
7. **C. Iticescu**, M. Murărescu, G. Cârâc, *Influence of Nd₂O₃ in copper and copper composite coatings obtained by electroless plating*, Analele Universității din București – Chimie, ISSN: 1844-0401, Anul XVIII (serie nouă), vol. I, pag. 51 – 57, 2009
6. V. Mușat, J. Canejo and **C. Iticescu**, *On the kinetics of sol gel Al:ZnO thin films crystallization on silicon substrate*, The Annals of Dunarea de Jos “ University of Galati, Fascicle IX, Metallurgy and Material Science, YEAR XXII(XXVII, ISSN 1453-083 X), 2006, p.27-30
5. O. Mitoșeriu, **C. Iticescu**, “Behaviour at the Corrosion of Cu/P Composite Coatings Obtained By Electroless Plating”, National Conference by Advanced Technologies and Materials , Galati, 20-22 **November 2003**. The Annals of „Dunarea de Jos” University of Galati, fascicle IX, Metalurgy and Materials Science, no.2, 2003, p. 5-10
4. **C. Iticescu**, O. Mitoșeriu, G. Cârâc, *Preparation and Investigation of Cu-CeO₂ Composite Coatings*, The Annals of „Dunarea de Jos” University of Galati, fascicle IX, Metalurgy and Materials Science, no.1, 2003, p. 5-10

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

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

1. **Iticescu, C.**, Muşat, V., „Cations Distribution and Magnetic Properties of Manganese Ferrite Powder Prepared by Coprecipitation from MnO_2 and $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$ ”, The Annals of „Dunărea de Jos” University of Galati, fascicle IX, Metallurgy and Materials Science, **1999**, p.65-68, ISSN 1453-083X.

5. Articole publicate în reviste recunoscute CNCIS (a se vedea lista revistelor recunoscute la adresa www.cncis.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

4. G. Cârâc, **C. Iticescu**, O. Mitoseriu, „The Effect of Concentration of Embedded Particles in Electrodeposited Cu-CeO₂ Composite Coatings”, The 11th Conference on Physical Chemistry, Timisoara-Romania (Romanian National Symposium with International Participation), 3-5 September, Annals of West University of Timisoara, Series Chemistry, vol. 12, no.3, **2003**, p. 475-485

3. **C. Iticescu**, G. Cârâc, O. Mitoseriu, „Influence of CeO₂ on the Electroless Deposition of the Copper Coatings”, The Fifth International Congress in Materials Science and Engineering, Iasi-Romania, 22-24 Mai, Bulletin of the Polytechnic Institute of Iassy, Tomul LI (LV), Fasc.3, ISSN 1453-1690, **2005**, p. 149-154

2. O. Mitoseriu, A. Preda, L. Mitoseriu, **C. Iticescu**, „Chemically Obtained Copper Matrix Composite Coatings (II)”, The Fourth International Congress in Materials Science and Engineering, Iasi-Romania, 18-20 Aprilie, **2003**, Publicată în Buletinul I.P. din Iaşi, Tomul XLVIII (LII), Fasc. 3-4, p.49-58

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 Nd_2O_3 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 Symposion 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 Symposion of Colloid and Surface Chemistry, iunie **2005**, Galați, ISBN 973-8316-84-7, p. 196-199
2. O. Mitoseriu, **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

1.5. 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: MCHEM

Responsabilitate: expert

1.2. Proiectul de cooperare bilaterala Romania-Germania (COBIL) ROM 01/014, **2002-2004**: *Investigații electrochimice de codepunere a particulelor mici (SiC , CeO_2 , 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

2.12. Proiect **649/7.04.2015**, contract de cercetare aplicata, Studiu asupra traficului din Municipiul Galati

Valoare totala: 43312 lei.

Responsabilitate: director proiect.

2.11. Proiect **630/2014**, *Studiu in vederea posibilitatilor de utilizare industrială sau agricolă a namolului provenit din statiile de epurare a apei uzate municipale*

Valoare totala: 9100 Euro.

Responsabilitate: director proiect.

2.10. Membru in proiect PN II, Parteneriate; 32121 /2008, *Ecotehnologii de reabilitare si reconstituire ecologica a solurilor contaminate in zona depozitelor de deseuri urbane si industrial (2008 – 2011)*. Acronim: ECORES

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

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

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

2.6 Membru in proiectul CEEX: „Centru regional de cercetare și monitorizare a calității mediului”, **2006-2008**

2.5. Membru in proiectul CEEX: “Compozite microfiltrante performante- soluție eficientă pentru siguranța alimentară”, **2006-2008**

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

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

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

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

3. Proiecte POSDRU

3.7. 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.

3.6. 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.

3.5. 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

3.4. 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.

3.3. 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.

3.2. 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.

Valoare totala eligibila: 5655774 lei

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

3.1. 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 Reconstructie ecologica, Ingineria mediului si domeniul de masterat Monitorizarea si managementul mediului.

F. ALTE LUCRĂRI ELABORATE ȘI CONTRIBUȚII ȘTIINȚIFICE

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2. Cătălina Maria Țopa, Adrian Burada, **Cătălina Iticescu**, Lucian P. Georgescu, Gabriel Murariu . ASSESSING THE HEAVY METALS CONTENT FROM AQUATIC COMPLEX GORGOVA UZLINA FROM THE DANUBE DELTA, ROMANIA. The 18th International Conference TEHNOMUS New Technologies and Products in Machines Manufacturing Technologies, 8 - 9, May 2015, Suceava, ROMANIA.

3. Adrian Burada, Maria Cătălina Țopa, Liliana Teodorof, Marian Tudor, **Cătălina Iticescu**, Lucian P. Georgescu. Variations of some inorganic micropollutants

concentrations between years 2000 - 2010 in predeltaic complex Somona-Parcheș. CCSD- UDJG, 2015 - Scientific Conference of Doctoral Schools from “Dunărea de Jos” University of Galati, Third Edition - Galați, 4-5 June 2015

4. Dumitru Dima, Monica Murarescu, **Catalina Iticescu**, Lucian Georgescu, Maria Catalina Topa. USE OF SEWAGE SLUDGE FROM THE WASTEWATER TREATMENT PLANT IN TECUCI - GALATI COUNTY AS FUEL. The 18th International Conference TEHNOMUS New Technologies and Products in Machines Manufacturing Technologies, 8 - 9, May 2015, Suceava, ROMANIA.

5. M.C. Topa, A. Burada, M. Timofti, L.P. Georgescu, **C. Iticescu**. DANUBE WATER QUALITY BEFORE AND AFTER FLOOD NEAR AN URBAN AGGLOMERATION. Conference "ENVIRONMENT AND PUBLIC HEALTH" MED ENV 2014, September 12 - 14, 2014, Constanta, Romania

6. M.C. Topa, A. Burada, L.P. Georgescu, **C. Iticescu**. SEASONAL VARIATIONS OF HEAVY METAL CONTAMINATION IN WATER, SEDIMENT AND VEGETATION FROM AQUATIC COMPLEX MATITA-MERHEI FROM THE DANUBE DELTA, ROMANIA. Conference "ENVIRONMENT AND PUBLIC HEALTH" MED ENV 2014, September 12 - 14, 2014, Constanta, Romania

7. G. Murariu, **C. Iticescu**, L. Georgescu and C. Topa, *Seasonal thrust main physico-chemical parameters for the Danube River in Tulcea*, TIM - 13 Physics Conference, 2013, 21 – 24 November, Timisoara, Romania

8. Cătălina M. Topa, **Cătălina Iticescu**, Gabriel Murariu, Adrian Burada, Lucian P. Georgescu “*Diversity indices – Suitable tools for assessing water quality*”, (prezentare poster) - Conferința Științifică a Școlilor Doctorale din Universitatea “Dunărea de Jos” din Galați (CCSD-UDJG) 16- 17 Mai 2013.

9. G. Murariu, L. Georgescu, **C. Iticescu**, C. Topa, *Study of correlations between environmental parameters in water lagoon systems. Case Study – Sinoe, Leahova (Romania) and Candelaro (Italy)*, 8th BPU, The 8th General Conference of Balkan Physical Union, 5-7 July 2012

10. Gh. Jigău, M. Motelica, M. Leșanu, I. Chircu, E. Tofan, L. Georgescu, **C. Iticescu**, *Indices of the composition of soil structural aggregates in Typical chernozem under various tillage practices*, Abstracts. *Soil as World Heritage*. International symposium celebrating the half century of long-term experiments at Balti, Moldova, May, 22- 23, 2012. Ed. Universitatea de Stat „Al. Russo” din Bălți, 2012. p. 15-16. ISBN 978-9975- 50-079-1

11. Gh. Jigău, M. Motelica, M. Leșanu, E. Tofan, L. Georgescu, **C. Iticescu**, V. Rogut, S. Nedelcov, *Heavy metals in the anthropogenic cycle of substances*, // Abstracts. *Soil as World Heritage*. International symposium celebrating the half century of long-term experiments at Balti, Moldova, May, 22- 23, 2012. Ed. Universitatea de Stat „Al. Russo” din Bălți, 2012. p. 15. ISBN 978-9975- 50-079-1

12. **Cătălina Iticescu**, Lucian P. Georgescu, Gabriel Murariu and Aurelia Caldararu, EVALUATION OF DANUBE RIVER RAW WATER POTENTIAL FOR SCALE FORMATION AND CORROSION IN GALATI-BRAILA AREA, prezentata ca poster in cadrul conferintei internationale “*ENVIRONMENTAL CAPACITY BUILDING*” ,11-13 November 2011, Bucharest, Romania

13. Lucian P. Georgescu, **Cătălina Iticescu**, ECOLOGICAL REVITALISATION OF BROWNFIELDS, A CHALLENGE FOR ROMANIA AND EASTERN EUROPE,

prezentata ca poster in cadrul conferintei internationale *ENVIRONMENTAL CAPACITY BUILDING* ,11-13 November 2011, Bucharest, Romania, [premiata pentru cel mai bun poster](#)

14. Lucian P. Georgescu, **Cătălina Iticescu**, Aurelia Caldararu and Gabriel Murariu, DANUBE WATER QUALITY INDEX IN THE GALATI AREA, prezentata in lucrarile plenare in cadrul conferintei internationale *“ENVIRONMENTAL CAPACITY BUILDING”*, 11-13 November 2011, Bucharest, Romania

15. A. Caldararu, G. Murariu, C. Topa, L. P. Georgescu, **C. Iticescu**, *Multivariate statistical procedure for the evaluation of water quality of Margherita di Savoia (Italy) - a case study*, prezentata ca poster in cadrul conferintei internationale *“ENVIRONMENTAL CAPACITY BUILDING”*, 11-13 November 2011, Bucharest, Romania

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17. Aurelia Caldararu , Gabriel Murariu, Lucian P. Georgescu, **Catalina Iticescu**, The interaction between taxa metrics and environmental variables, as indicator of aquatic ecosystem state, Geophysical Research Abstracts, Vol. 13, EGU2011-10313-1, 2011, EGU General Assembly 2011

18. Aurelia Caldararu, Gabriel Murariu, Lucian P. Georgescu, **Catalina Iticescu**, *Nitrates Directive, key tool in protecting water ecosystems against agricultural pressures*, Geophysical Research Abstracts, Vol. 13, EGU2011-10255-1, 2011, EGU General Assembly 2011

19. M. Cioroi, **C. Iticescu**, C. Trif, I. Volf, C. Pohontu, I. Cretescu, L. P. Georgescu, M. Macoveanu, *Treatement of landfill leachate using geranio pelargonium on antropogenic soils*, International Symposium Control and Metrology of Environmental Quality Factors (IS.CMEQF- 01) Iasi, 23-27 nov. 2010

20. C. Pohontu, I. Cretescu, M. Macoveanu, M. Cioroi, **C. Iticescu**, L. P. Georgescu, Gh. Jigau, M. Lesanu, V. Sochirca, *Treatement of landfill leachate using zea mays and triticus sp. on antropogenic soils*, International Symposium Control and Metrology of Environmental Quality Factors (IS.CMEQF- 01) Iasi, 23-27 nov. 2010

21. **C. Iticescu**, M. Muraescu, *Comparative studies of composite coatings with CeO₂ and Nd₂O₃ in copper matrix by electroless plating*, International Conference BIOTECHNOLOGIES, PRESENT AND PERSPECTIVES, Fourth Edition, November, 19th - 20th, 2010, Suceava, Romania

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27. Geta Carac, Catalina Iticescu, Thomas Lampke, Monica Murarescu, *Effect of nano-Al particles on the electrodeposition of Ni-Co alloys*, The 59th Annual Meeting of the International Society of Electrochemistry, September 7 to 12, **2008**, Seville, Spain
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