

## LISTA COMPLETĂ A LUCRĂRILOR ELABORATE ȘI/SAU PUBLICATE

PROF. UNIV. DR. CĂTĂLINA ITICESCU

### 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

**1.22.** Gabriel MURARIU, Valentin HAHUIE, Adrian MURARIU, Lucian GEORGESCU, **Catalina ITICESCU**, Mihaela CALIN, Ciprian PREDA, Daniela Laura BURUIANA, Gabriel Bogdan CARP, Forest monitoring method using combinations of satellite and UAV aerial images. Case study Balabanesti forest, International Journal of Conservation Science, vol. 8, nr. 4, oct. 2017

**1.21.** **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)

1.20. M. Timofti, P. Popa, G. Murariu, L. Georgescu, **C. Iticescu**, M. Barbu, Complementary approach for numerical modelling of physicochemical parameters of the Prut River aquatic system, Journal of Environmental Protection and Ecology 17, No 1, 53–63 (2016), FI = 0,774

- 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 Reports in Physics, 2016, Volume 68 (3), 1208-1220 <http://www.rrp.infim.ro/IP/A142.pdf>, FI=1,467
- 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 (F.I = 0,56)
- 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, 2015, p. 2457 – 2463, FI = 1,008
- 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, IF = 1,008
- 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 (IF = 0.734)
- 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 (FI = 0,956)
- 1.13. D. Buruiana, **C. Iticescu**, G. Tirona, S. Pintilie, C. S. Simionescu, M. Barnaure, S. Balta, Influence of Nanoparticles in Membranes Proprietes, Revista Materiale Plactice, vol. 52, nr. 4/2015, p. 608 - 611 (F.I = 0,903)
- 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 (2014), p. 30 – 38, IF = 0,734
- 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 (FI=**0,727** FIC = 1.411)
- 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 (FI= 0.259; FIC= 0.335)
- 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 (FI=1,117, FIC = 0.97)

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. (FI = 0.259, FIC= 0.335)

**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 (FI = 1,435)

**1.5.** **C. Iticescu**, G. Carac, O. Mitoseriu and Th. Lampke, *Electrochemical Deposition of Composite Coatings in Copper Matrix with TiO<sub>2</sub> Nanoparticles*, Revue Roumaine de Chimie, **2008**, 53(1), 43–47 (FI=0,284, FIC = 0.289)

1.4. G. Cârâc, **C. Iticescu**, Th. Lampke and S. Steinhäuser, *Effect of nano-Al<sub>2</sub>O<sub>3</sub> particles in the electrodeposition with Ni*, Revue Roumaine de Chimie, **2007**, 52(11), 1057-1062, ISSN 0035-3930 (FI=0,284)

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 (FI=0,284)

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 (FI=0,443; FIC = 1.307)

1.1. O.Mitoseriu, **C. Iticescu**, G. Cârâc: “Study on the Electrochemical Deposition of Cu/CeO<sub>2</sub> 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 (FI=0,241, FIC = 0.398)

FI = 11,808; FI(cu JFAE) = 12,746

## 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

*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

## 3. ISI Proceedings

5. Gabriel Murariu, Valentin Hahuie, Lucian Georgescu, Maxim Arseni, Catalina Iticescu, Adrian Gabriel Murariu, Florin Buhociu, Nicusor Nistor, Study of the influence of atmospheric parameters on the accuracy of the geodetic, AIP Conference Proceedings, vol 1796, nr. 1, 2017

4. G. Jigau, M. Motelica, M. Lesanu, E. Tofan, L. Georgescu, C. Iticescu, V. Rogut, S. Nedeadcov, **Heavy Metals in the Anthropogenic Cycle of Elements**, [Soil as World Heritage](#), Ed. Springer, 2014, pp 61-68
3. 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
2. G. Murariu, L. Georgescu, M. Dobre, **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 Candelaro (Italy)*, Current Opinion in Biotechnology, Volume 24, Supplement 1, July 2013, Pages S79–S80, European Biotechnology Congress 2013 (FI = 7,860)
1. 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

31. Constantin Gheorghies, Simona Condurache-Bota, Geta Carac, Paula Cojocaru, Lucian Puiu Georgescu, **Catalina Iticescu**, Anotoaneta Ene, Reduction of irradiation level for personel working in a steel furnace using NMG method, International Journal of Science, Technology and Society, vol. 5, nr. 4, pag. 87, 2017
30. Gabriel Murariu, Valentin Hahuie, Lucian Georgescu, **Catalina Iticescu**, The fractal analysis results for forest area evolution monitoring – Study case Balabanesti Forest, ANNALS OF “DUNAREA DE JOS” UNIVERSITY OF GALATI, Mathematics, physics, theoretical mechanics, FASCICLE II, YEAR VIII (XXXIX) 2016, No. 2, 256-259
29. Gabriel Murariu, Valentin Hahuie, Lucian Georgescu, **Catalina Iticescu**, The fractal analysis results for forest area evolution monitoring – Study case Valeni Forest, ANNALS OF “DUNAREA DE JOS” UNIVERSITY OF GALATI, Mathematics, physics, theoretical mechanics, FASCICLE II, YEAR VIII (XXXIX) 2016, No. 2, 253-255
28. Mihaela Cudalbeanu, Valentin Hahuie, Lucian Georgescu, **Catalina Iticescu**, Gabriel Murariu, The annual dynamics that characterizes the physico-chemical parameters for water quality in the Grindu Area, ANNALS OF “DUNAREA DE JOS” UNIVERSITY OF GALATI, Mathematics, physics, theoretical mechanics, FASCICLE II, YEAR VIII (XXXIX) 2016, No. 2, 200-203
27. Florentina Adascalitei, Gabriel Murariu, **Catalina Iticescu**, Lucian Georgescu, Adrian Murariu, Savin Nicu, Statistical analysis of different types of medical waste, ANNALS OF “DUNAREA DE JOS” UNIVERSITY OF GALATI, Mathematics, physics, theoretical mechanics, FASCICLE II, YEAR VIII (XXXIX) 2016, No. 1, 48-56

26. 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
25. Gabriel Murariu, Valentin Hahuie, Adrian Murariu, **Catalina Iticescu**, Lucian Georgescu, Ciprian Vlad, Investigation on satellitar and UAV cadastral results. Case study - Balabanesti forest areas, ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI, Mathematics, physics, theoretical mechanics, FASCICLE II, YEAR VIII (XXXIX) 2016, No. 1, 128-139
24. Gabriel Murariu, Valentin Hahuie, Adrian Murariu, **Catalina Iticescu**, Lucian Georgescu, Ciprian Vlad, Investigation on satellitar and UAV cadastral results. Case study - Buciumeni forest areas, ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI, Mathematics, physics, theoretical mechanics, FASCICLE II, YEAR VIII (XXXIX) 2016, No. 1, 118-127
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 Murarescu, **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. Murărescu, *Comparative studies of composite coatings with CeO<sub>2</sub> and Nd<sub>2</sub>O<sub>3</sub> 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 CeO<sub>2</sub> and TiO<sub>2</sub> 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/](http://www.phys.ugal.ro/Annals_Fascicle_2/)

8. C. Iticescu, M. Murărescu, *Effect of Al<sub>2</sub>O<sub>3</sub> 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/](http://www.phys.ugal.ro/Annals_Fascicle_2/)

7. **C. Iticescu**, M. Murărescu, G. Cârâc, Influence of  $\text{Nd}_2\text{O}_3$  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-CeO<sub>2</sub> 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.**, 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  $\text{MnO}_2$  and  $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$ ”, 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.cnscis.ro](http://www.cnscis.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-CeO<sub>2</sub> 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 CeO<sub>2</sub> 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. Mitoșeriu, A. Preda, L. Mitoșeriu, **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 Iași, 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 3<sup>th</sup> 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<sub>2</sub>O<sub>3</sub> 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 8<sup>th</sup> 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 8<sup>th</sup> 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 10<sup>th</sup> 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<sub>2</sub>, 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

2.13. Programul PN III, proiect suport de management: Strategie si actiuni pentru pregatirea participarii nationale la Proiectul DANUBIUS –RI, mai 2018 – iunie 2019, Coordonator proiect. INCDSB Bucuresti

Valoare totala 26.072.882 lei din care UDJG: 6181300 lei.

Responsabilitate: Coordonator P3, UDJG

2.12. 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 totala: 460000 lei.

Responsabilitate: **director proiect.**

2.11. Proiect sectorial 3PS/2018 - **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/2018 - **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/2018 - **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/2018 - **Strategie și metode pentru stimularea promovării rezultatelor activității de cercetare și noi instrumente pentru dezvoltarea pieței CDI.**

Responsabilitate: expert.

- 2.7. 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
- 2.6. 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
- 2.5. Membru în proiectul "Filme oxidice nanostructurate multifuncționale obținute prin metode chimice pe cale umedă" Grant CNCSIS, **2007-2008**
- 2.4. Membru in proiectul CEEEX: „Oportunități europene pentru cercetarea națională activă în domeniul nanotehnologiilor: Conferință și workshop pentru promovarea transferului tehnologic”, **2006-2007**
- 2.3 Membru in proiectul CEEEX: „Centru regional de cercetare și monitorizare a calității mediului”, **2006-2008**
- 2.2. Membru in proiectul CEEEX: “Compozite microfiltrante performante- soluție eficientă pentru siguranța alimentară”, **2006-2008**
- 2.1. Membru in proiectul "Straturi compozite nanostructurate obtinute electrochimic, destinate protectiei suprafetelor functionale in sisteme tribocorozive", Grant CNCSIS, **2005-2007**

### 3. Proiecte de cercetare aplicativă

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.

Valoare proiect: 207.000 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**

**4.10. Fondul de dezvoltare institutionala (FDI)**, proiect CNFIS – FDI – 2018 – 0054, Internaționalizarea 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: 207000 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 activității studenților 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. **Catalina Iticescu**, Lucian P. Georgescu, Mihaela Timofti, Gabriel Murariu, INFLUENCE of SEWAGE SLUDGE on AGRICULTURAL LAND QUALITY and CROP, ICPEP 2017: 19th International Conference on Plant and Environmental Sciences, Amsterdam, Olanda, July 2017

2. **Catalina Iticescu**, Lucian P. Georgescu, Mihaela Timofti, Gabriel Murariu, Catalina Topa, The influence of characteristics of waste water on properties of sewage sludge, ICWTWCQ 2017 : 19th International Conference on Wastewater Treatment, Water Cycle and Quality, Barcelona, Spania, August 2017

3. **Catalina Iticescu**, Lucian P. Georgescu, Gabriel Murariu, Maria Catalina Topa, Mihaela Timofti, Violeta Pintilie, *Multivariate analysis of physico-chemical parameters and WQI of Lower Danube water to identify potential pollution sources*, 5th International Conference on Environment Pollution and Prevention (ICEPP 2017), Singapore, December 2017

4. **Cătălina Iticescu**, Mihaela Timofti, Dumitru Dima, Adrian Cârciușmaru, Gabriel Murariu, Lucian Puiu Georgescu, *Use of sewage sludge in incinerators*, 5th International Conference on Environment Pollution and Prevention (ICEPP 2017), Singapore, December 2017

5. Mihaela Timofti, Cătălina Iticescu, Lucian. P. Georgescu, Gabriel Murariu, Cătălina Topa, Dumitru Dima, STUDIES REGARDING THE SEWAGE SLUDGE PROPERTIES FOR USE IT IN SAFE WAYS IN ORDER TO AVOID THE POLLUTION OF ENVIRONMENT, TEME INTERNATIONAL CONFERENCE 2017, New Trends in Environmental and Materials Engineering, 25 – 27 October 2017, Galati, Romania

6. **Catalina Iticescu**, Gabriel Murariu, Lucian P. Georgescu, Maria Catalina Topa, Adrian Burada, Mihaela Timofti, Evaluation of the Danube water quality near Galati city

using WQI (Water Quality Index) and multivariate analysis, PRONASEN 2016, BUCHAREST, November 2016

7. Lucian P. Georgescu, **Catalina Iticescu**, The use of sludge from WWTP Galati in agriculture, PRONASEN 2016, BUCHAREST, November 2016

8. **Catalina Iticescu**, Lucian Georgescu, Mihaela Timofti, Gabriel Murariu, Catalina Topa, Adrian Burada, Variation of Water Quality Index (WQI) and physico-chemical parameters in Prut River along Galati County, CHIMIA 2016, NEW TRENDS IN APPLIED CHEMISTRY, May 26-28th, 2016, Constanta, ROMANIA

9. Mihaela Timofti, Ionelia Savinuța, Gabriel Murariu, Lucian Georgescu, Valentin Hahuie and **Catalina Iticescu**, Spatial and temporal correlation of water quality parameters of water from wells on the western part of Galati county, RomPhysChem 16, Galati, September 2016

10. Mihaela Timofti, **Catalina Iticescu**, Gabriel Murariu, Lucian P. Georgescu<sup>1</sup>, Maria Catalina Topa<sup>1</sup>, Adrian Burada, *Evaluation of the Danube water quality using WQI*, **RomPhysChem 16, Galati, September 2016**

11. **C. Iticescu**, L.P. Georgescu, G. Gurau, D. Dima, M. Murarescu, A. Circiumaru, Study on calorific capacity of sewage sludgefermented and unfermented, Conferința FACULTĂȚII DE CHIMIE, ZILELE Universității "Alexandru Ioan Cuza" din Iași, 27 – 29 octombrie 2016, Iași, România

12. Gabriel Murariu, Valentin Hahuie, Adrian Murariu, **Catalina Iticescu**, Lucian Georgescu, Ciprian Vlad, Investigation on satellitar and UAV cadastral results. Case study - Buciumeni forest areas, ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI, Mathematics, physics, theoretical mechanics, FASCICLE II, YEAR VIII (XXXIX) 2016, No. 1, 118-127

13. Gabriel Murariu, Valentin Hahuie, Adrian Murariu, **Catalina Iticescu**, Lucian Georgescu, Ciprian Vlad, Investigation on satellitar and UAV cadastral results. Case study - Balabanesti forest areas, ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI, Mathematics, physics, theoretical mechanics, FASCICLE II, YEAR VIII (XXXIX) 2016, No. 1, 128-139

14. 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

15. Florentina Adascalitei, Gabriel Murariu, **Catalina Iticescu**, Lucian Georgescu, Adrian Murariu, Savin Nicu, Statistical analysis of different types of medical waste, ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI, Mathematics, physics, theoretical mechanics, FASCICLE II, YEAR VIII (XXXIX) 2016, No. 1, 48-56

16. Mihaela Cudalbeanu, Valentin Hahuie, Lucian Georgescu, **Catalina Iticescu**, Gabriel Murariu, The annual dynamics that characterizes the physico-chemical parameters for water quality in the Grindu Area, ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI, Mathematics, physics, theoretical mechanics, FASCICLE II, YEAR VIII (XXXIX) 2016, No. 2, 200-203,

17.

18. Maria Cătălina Țopa, Adrian Burada, Liliana Teodorof, Marian Tudor, **Cătălina Iticescu**, Lucian P. Georgescu. Bottom sediment quality analysis of maritime Danube sector Braila-Sulina. CCSD- UDJG, 2015 - Scientific Conference of Doctoral

Schools from “Dunărea de Jos” University of Galati, Third Edition - Galați, 4-5 June 2015

19. 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.

20. 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

21. 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.

22. 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

23. 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

24. 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

25. 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.

26. 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

27. 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

28. 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

29. **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

30. 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](#)

31. 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

32. 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

33. A. Caldararu, G. Murariu, C. Topa, L. P. Georgescu, **C. Iticescu**, *Ecological research for the future of our water - interactions between biotope and biocoenosis*, prezentata ca poster in cadrul conferintei internationale *“ENVIRONMENTAL CAPACITY BUILDING”*, 11-13 November 2011, Bucharest, Romania

34. 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

35. 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

36. M. Cioroi, **C. Iticescu**, C. Trif, I. Volf, C. Pohontu, I. Cretescu, L. P. Georgescu, M. Macoveanu, *Treatment 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

37. C. Pohontu, I. Cretescu, M. Macoveanu, M. Cioroi, **C. Iticescu**, L. P. Georgescu, Gh. Jigau, M. Lesanu, V. Sochirca, *Treatment 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

38. **C. Iticescu**, M. Murarescu, *Comparative studies of composite coatings with CeO<sub>2</sub> and Nd<sub>2</sub>O<sub>3</sub> in copper matrix by electroless plating*, International Conference BIOTECHNOLOGIES, PRESENT AND PERSPECTIVES, Fourth Edition, November, 19<sup>th</sup> - 20<sup>th</sup>, 2010, Suceava, Romania

39. **C. Iticescu**, L. P. Georgescu, M. Timofti, P. Popa, M. Voiculescu, *Potential effects of pH Variation in function of temperature in drinking water supply system*, International Conference On Fishery And Aquaculture - A View Point Upon The Sustainable Management Of The Water Resources In The Balkan Area, BENA 2010, May 26-28th, 2010, Galati, ROMANIA
40. L. P. Georgescu, D. Ciobanu, S. Dragan, **C. Iticescu**, *Management and sanitary protection of underground drinking water sources for Galati agglomeration*, International Conference On Fishery And Aquaculture - A View Point Upon The Sustainable Management Of The Water Resources In The Balkan Area, BENA 2010, May 26-28th, 2010, Galati, ROMANIA
41. **C. Iticescu**, G. Cârâc and Th. Lampke, *Ni/CeO<sub>2</sub> composite coatings*, International Conference of Physical Chemistry, ROMPHYSICHEM 13, September 3 - 5, **2008**, Bucharest – ROMANIA
42. V. Musat, **C. Iticescu**, M. Mazilu, C. Gheorghies and N. Tigau, *Hybrid nanocomposite thin films using metal oxide nanodispersion*, International Conference of Physical Chemistry, ROMPHYSICHEM 13, September 3 - 5, **2008**, Bucharest - ROMANIA
43. Paula Popa, **Cătălina Iticescu**, Geta Cârâc, Paula Cojocaru and Thomas Lampke, *Corrosion behavior of Ni-Co alloys with nano-Al<sub>2</sub>O<sub>3</sub> particles*, International Conference of Physical Chemistry, ROMPHYSICHEM 13, September 3 - 5, **2008**, Bucharest - ROMANIA
44. 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
45. V. Mușat, R. Prabakaran, E. Fortunato, **C. Iticescu**, M. Mazilu, *Effect of porosity on the optical and electrical properties of ZnO:SiO<sub>2</sub> thin films obtained by sol-gel method using nano-sized ZnO dispersion*, 5th International Conference on Nanosciences & Nanotechnologies - NN08, 14-16 July **2008**, Thessaloniki, Grece
46. V. Mușat, E. Fortunato and **C. Iticescu**, *Effect of morphology on the multifunctional properties of sol-gel ZnO based thin films*, International Conference on Materials Science & Engineering - **BRAMAT 2007**, 22 – 24 February 2007, Brasov-Romania, prezentare orală,
47. V. Mușat, P. Budrugaec, C. Gheorghies, **C. Iticescu**, E. Segal, *Thermal behaviour of sol-gel precursors for ZnO-SiO<sub>2</sub> nanocomposite thin films*, XIVth International Sol-Gel Conference, 2-7 Sept. **2007**, Montpellier Franta, Poster
48. V. Mușat, **C. Iticescu**, A. Petrică, G. Năstase, F.Potecașu, *Silca-based protective coating obtained by sol-gel method for metallic belts*, Conferința de Corozivitate și Protecție Anticorozivă-CPA **2007**, Piatra Fântânele Bistrița-Năsăud, 26-28
49. Cârâc, G., Benea, L., **Iticescu C.** și Kalman E., *Studii electrochimice în codepunerea particulelor nanometrice de Al<sub>2</sub>O<sub>3</sub> cu nichel*, Conferința internațională Corozivitate și Protecție Anticorozivă (CPA), 27 - 28 Octombrie **2006**, Cluj Napoca
50. **C. Iticescu**, G. Carac, O. Mitoseriu, “Cu-TiO<sub>2</sub> nanocomposite coatings”, International Conference on Physical Chemistry, [Romphyschem-12](#), September 6 - 8, **2006**, Bucharest – ROMANIA



51. G. Cârâc, **C. Iticescu**, Th. Lampke and S. Steinhäuser, *Effect of nano-Al<sub>2</sub>O<sub>3</sub> particles in the electrodeposition with Ni*, International Conference on Physical Chemistry, [Romphyschem-12](#), September 6 - 8, **2006**, Bucharest – ROMANIA
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