

UNIVERSITATEA „DUNĂREA DE JOS” DIN GALAȚI
Facultatea: Transfrontalieră Departamentul: Științe aplicate
Domeniul de masterat: Știința mediului
Programul de studii: Management și investiții în ecosisteme
Titlul științific/ Nume Prenume: Prof. univ. dr. habil. Cătălina Iticescu

Vârsta / vechimea în învățământul superior	47/22
Disciplinele din cadrul programului de studii	Managementul calității mediului
Universitatea/ facultatea/ specializarea absolvită	Universitatea „Al. I Cuza” Iasi, Facultatea de Chimie, Universitatea „Dunarea de Jos” din Galati, Facultatea de Stiinte, Facultatea de Metalurgie si Stiinta Materialelor
Specializarea la masterat / doctorat	Doctorat – Inginerie industrială Masterat - Monitoringul si Managementul Mediului

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
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

- 1.48.** 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
- 1.47.** Antohi, V.M.; Ionescu, R.V.; Zlati, M.L.; Iticescu, C.; Georgescu, P.L.; Calmuc, M. Regional Regression Correlation Model of Microplastic Water Pollution Control Using Circular Economy Tools. Int. J. Environ. Res. Public Health 2023, 20, 4014. <https://doi.org/10.3390/ijerph20054014>, FI = 4,798, Q1
- 1.46.** 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 = 2,813, Q2
- 1.45.** Ahmed M Elsherbeny, Ahmed H Arnous, Anjan Biswas, Yakup Yıldırım, Luminita Moraru, Simona Moldovanu, **Catalina Iticescu**, Hashim M Alshehri, Dark and Singular Highly Dispersive Optical Solitons with Kudryashov's Sextic Power-Law of Nonlinear Refractive Index in the Absence of Inter-Modal Dispersion, *Electronics* **2023**, 12(2), 352; <https://doi.org/10.3390/electronics12020352>, FI = 2,690, Q2
- 1.44.** Elsayed ME Zayed, Mohamed EM Alngar, Reham Shohib, Anjan Biswas, Yakup Yıldırım, Luminita Moraru, Simona Moldovanu, **Catalina Iticescu**, Highly Dispersive Optical Solitons in Fiber Bragg Gratings with Quadratic-Cubic Nonlinearity, *Electronics* **2023**, 12(1), 125; <https://doi.org/10.3390/electronics12010125>, FI = 2,690, Q2
- 1.43.** Monica Laura Zlati, Lucian Puiu Georgescu, **Catalina Iticescu**, Romeo Victor Ionescu, Valentin Marian Antohi, New Approach to Modelling the Impact of Heavy Metals on the European Union's Water Resources, Int. J. Environ. Res. Public Health **2023**, 20, 45. <https://doi.org/10.3390/ijerph20010045>, FI = 4,798, Q1
- 1.42.** Malik, S., Kumar, S., Biswas, A., Yıldırım, Y., Moraru, L., Moldovanu, S., Iticescu, C., Alshehri, H. M., Cubic-Quartic Optical Solitons in Fiber Bragg Gratings with Dispersive Reflectivity Having Parabolic Law of Nonlinear Refractive Index by Lie

Symmetry, Symmetry 2022, 14, 2370. <https://doi.org/10.3390/sym14112370>, F. I. = 2,94, Q2.

1.41. Romeo Victor Ionescu, Valentin Marian Antohi, Monica Laura Zlati, Lucian Puiu Georgescu and **Catalina Iticescu**, *To a Green Economy across the European Union*, Int. J. Environ. Res. Public Health, 2022, 19, 12427. <https://doi.org/10.3390/ijerph191912427>, FI = 4,614; FIC = 4,798, Q1.

1.40. Anjan Biswas, Jawonki Moseley, Salam Khan, Luminita Moraru, Simona Moldovanu, Catalina Iticescu and Hashim M. Alshehri, Cubic–Quartic Optical Soliton Perturbation for Fokas–Lenells Equation with Power Law by Semi-Inverse Variation, Universe, 2022, 8, 460. <https://doi.org/10.3390/universe8090460>, FI = 2,813, Q3.

1.39. Elsayed M. E. Zayed, Mohamed E. M. Alngar, Reham M. A. Shohib, Anjan Biswas, Yakup Yıldırım, Salam Khan, Luminita Moraru, Simona Moldovanu, Catalina Iticescu, Highly Dispersive Optical Solitons in Fiber Bragg Gratings with Kerr Law of Nonlinear Refractive Index, Mathematics 2022, 10, 2968, <https://doi.org/10.3390/math10162968>, FI = 2,592, Q1

1.38. Anjan Biswas, Nyah Coleman, Abdul H. Kara, Salam Khan, Luminita Moraru, Simona Moldovanu, **Catalina Iticescu** and Yakup Yıldırım, Shallow Water Waves and Conservation Laws with Dispersion Triplet, Appl. Sci. 2022, 12, 3647. <https://doi.org/10.3390/app12073647>, FI = FI = 2,838; FIC = 2,921 (Q2)

1.37. Liliana Teodorof, Antoaneta Ene, Adrian Burada, Cristina Despina, Daniela Seceleanu-Odor, Cristian Trifanov, Orhan Ibram, Edward Bratfanof, Mihaela-Iuliana Tudor, Marian Tudor, Irina Cernisencu, Lucian Puiu Georgescu and **Catalina Iticescu**, Integrated Assessment of Surface Water Quality in Danube River Chilia Branch, Appl. Sci. 2021, 11, 9172. <https://doi.org/10.3390/app11199172>, FI = 2,838; FIC = 2,921 (Q2)

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

1.34. **Catalina Iticescu**, Puiu-Lucian Georgescu, Maxim Arseni, Adrian Rosu, Mihaela Timofti, Gabriel Carp and Lucian-Ionel Cioca, Optimal Solutions for the Use of Sewage Sludge on Agricultural Lands, Water 2021, 13, 585. <https://doi.org/10.3390/w13050585>, FI = 3,530; FIC = 3,628, Q2.

1.33. Violeta Pintilie-Nicolov, Puiu Lucian Georgescu, **Cătălina Iticescu**, Dana Iulia Moraru, Adelina Georgiana Pintilie, The assessment of the annual effective dose due to ingestion of radionuclides from drinking water consumption: calculation methods, Journal of Radioanalytical and Nuclear Chemistry, 10 p, 2021, doi.org/10.1007/s10967-020-07438-5, volume 327, no.1, 49 – 58, FI = 1,137

1.32. Alexandru Banescu, Maxim Arseni, Lucian Puiu Georgescu, Eugen Rusu and **Catalina Iticescu**, Evaluation of Different Simulation Methods for Analyzing Flood

Scenarios in the Danube Delta, Appl. Sci. 2020, 10, 8327, doi:10.3390/app10238327, FI = 2,474

1.31. Madalina Calmuc, Valentina Calmuc, Maxim Arseni, Catalina Topa, Mihaela Timofti, Lucian P. Georgescu and **Catalina Iticescu***, A Comparative Approach to a Series of Physico-Chemical Quality Indices used in Assessing Water Quality in the Lower Danube, Water 2020, 12, 3239; doi:10.3390/w12113239, FI = 2,544, FIC – 2,709

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

1.29. **Catalina Iticescu**; Lucian P. Georgescu; Gabriel Murariu; Catalina Topa; Mihaela Timofti; Violeta Pintilie; Maxim Arseni, Lower Danube Water Quality Quantified through WQI and Multivariate Analysis, Water 2019, Volume 11, Issue 6, 1305, doi:10.3390/w11061305, FI = 2,544, FI5=2,709

1.28. Constantin Apetrei, **Catalina Iticescu**, Lucian Puiu Georgescu, Multisensory System Used for the Analysis of the Water in the Lower Area of River Danube, Nanomaterials 2019, 9, 891; doi:10.3390/nano9060891, FI – 4,324; FI5 = 4,514.

1.27. M. Arseni, M. Voiculescu, L. P. Georgescu, **C. Iticescu**, Adrian Rosu, Testing Different Interpolation Methods Based on Single Beam Echosounder River Surveying. Case Study: Siret River, *ISPRS Int. J. Geo-Inf.* **2019**, 8, 507; doi:10.3390/ijgi8110507, p1 – 21, FI = 2,239, FI5=2,402

1.26. Dinca, L., Murariu, G., **Iticescu, C.**, Budeanu M., Murariu, A., NORWAY SPRUCE (PICEA ABIES (L.) Karst.) SMART FORESTS FROM THE SOUTHERN CARPATHIANS, INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE, Volume: 10, Issue: 4, OCT-DEC 2019, p. 781-790

1.25. G Murariu, **C Iticescu**, A Murariu, B Rosu, D Munteanu, DL Buruiana, Assessment of Water Quality State Dynamics Using Adaptive Filtering Methods and Neural Networks Approaching Case study-Danube River in Galati area, REVISTA DE CHIMIE 70 (6), 1914-1919, FI =1,775

1.24. Gabriel Murariu, Mihaela Timofti, Ionelia Savinuta, Adrian Murariu, **Catalina Iticescu**, Lucian Georgescu, Marian Tudor, George Danut Mocanu, Seasonal Statistical Analysis on the Quality of Underwater Supplies in South-Eastern Romania, REV.CHIM.(Bucharest), 70, No. 3, 2019, p. 820 – 827, FI =1,775

1.23. Paul Lupoae, Eliza Tupu, Nicolae Onea, Gabriel Murariu, Lucian Georgescu, Marian Tudor, **Cătălina Iticescu**, Mariana Lupoae, An integrated approach concerning floristic, phytocoenological and ornithological diversity on Somova-Parches lacustrine complex: aspects of their conservation, International Journal of Conservation Science, Volume 10, Issue 1, January-March 2019: 157-172 www.ijcs.uaic.ro

1.22. Violeta Pintilie, Antoaneta Ene, Lucian Puiu Georgescu, Adelina Georgiana Pintilie, Dana Iulia Moraru, Catalina Iticescu, Gross alpha, gross beta and radionuclides (210Po, 210Pb, 238U, 232Th, 226Ra and 40K) exposure assessment due to meat consumption, Journal of Radioanalytical and Nuclear Chemistry, 2018, Volume: 318, Issue: 2, pages: 991-1000, DOI: 10.1007/s10967-018-6156-y, FI = 1,181

1.21. 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

1.20. 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)

1.19. 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

1.18. 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

1.17. 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)

1.16. 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

1.15. 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

1.14. 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)

1.13. 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)

1.12. 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)

1.11. **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

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 TiO₂ 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-Al₂O₃ 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/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 (FI=0,241, FIC = 0.398)

Fic = 28,041

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

3. ISI Proceedings

13. Călmuc, M., Călmuc, V.A. Arseni, M., Simionov, I. A., Antache, A., Apetrei, C., Georgescu, P.L, **Iticescu, C.**, 2022. Identification and characterization of plastic particles found in the Lower Danube river. Earth Obs.
12. Roșu, A., Arseni, M., Roșu, B., Petrea, M., **Iticescu, C.**, Georgescu, P.L., 2022. Study of the influence of Manning parameter variation for waterflow simulation in Danube Delta, Romania. Earth Obs.
11. 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. Earth Obs.
10. Roșu, B., Roșu, A., Arseni, M., Iticescu, C., Georgescu, P.L., 2022. The effects of optimizing a simulated wastewater treatment plant on effluent quality. Earth Obs.
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**
8. Gabriel Murariu, **Catalina Iticescu**, Nicoleta Barbuta-Misu, Lucian Georgescu, Bogdan Rosu, ANALYSIS OF THE SPATIAL VARIABILITY OF THE FACTORS DESCRIBING THE WATER QUALITY TO ASSESS THE ECONOMIC IMPACT ON MEDIUM AND LONG TERM - CASE STUDY - DANUBE RIVER IN THE SOUTH-EAST AREA OF ROMANIA, International Multidisciplinary Scientific GeoConference: SGEM, Viena 2018, Journal: Surveying Geology & mining Ecology Management, vol. 18, p. 543 – 551, DOI:10.5593/sgem2018V/1.5/S02.040
- 7 Gabriel Murariu, Adrian Gabriel Murariu, **Catalina Iticescu**, Mihaela Timofti, Lucian Georgescu, INVESTIGATION OF WATER QUALITY STATE DYNAMICS OF DANUBE RIVER IN THE EASTERN PART OF ROMANIA, International Multidisciplinary Scientific GeoConference: SGEM, Viena 2018, Surveying Geology & mining Ecology Management, vol. 18, p. 323 – 330, DOI:10.5593/sgem2018V/1.5/S02.040
6. Gabriel Murariu, Dan Munteanu, Lucian Puiu Georgescu, Adrian Murariu, Ionel Popa, Valentin Hahuie, Mihai Daniel Dragu, **Catalina Iticescu**, The forest composition monitoring system using k-means algorithms on satellite imagery. Case study-Independenta Forest, Proceedings of 22nd International Conference on System Theory, Control and Computing (ICSTCC), 2018, p. 1-8.
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. Nedealcov, **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. 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 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

50. Ahmed H Arnous, Anjan Biswas, Yakup Yıldırım, Luminita Moraru, Simona Moldovanu, **Catalina Iticescu**, Salam Khan, Hashim M Alshehri, Quiescent Optical Solitons with Quadratic-Cubic and Generalized Quadratic-Cubic Nonlinearities, *Telecom* 2023, 4(1), 31-42; <https://doi.org/10.3390/telecom4010003>

49. Alexandru Banescu, Lucian Puiu Georgescu, **Catalina Iticescu**, Eugen Rusu, Methods of flood risk analysis. Case study Baltenii de Sus locality from the Danube Delta, 2020, Annals of the "Dunarea de Jos" University of Galati. Fascicle II, Mathematics, Physics, Theoretical Mechanics, vol. 43, nr. 1, p. 48 – 57

48. Valentina Andreea Calmuc, Madalina Călmuc, Maxim Arseni, **Catalina Iticescu**, Lucian Puiu Georgescu, Preliminary statistical relationship between heavy metals in Lower Danube sediments, 2020, Annals of the "Dunarea de Jos" University of Galati. Fascicle II, Mathematics, Physics, Theoretical Mechanics, vol. 43, nr. 1, p. 62 – 67

47. Madalina Calmuc, Valentina Andreea Calmuc, Lucian Puiu Georgescu, **Catalina Iticescu**, Maxim Arseni, Assessment of nutrients and oxygen regime in the Lower Danube water, 2020, Annals of the "Dunarea de Jos" University of Galati. Fascicle II, Mathematics, Physics, Theoretical Mechanics, vol. 43, nr. 1, p. 68 - 74

46. Mihaela Timofti, **Catalina Iticescu**, Maxim Arseni, Madalina Calmuc, Valentina-Andreea Calmuc, Lucian Puiu Georgescu, Preliminary Analysis on the River Danube Water Quality by Using Different Kinds of Methods, *International Journal of Bioscience, Biochemistry and Bioinformatics*, Volume 9, Number 1, January 2019, p. 65 - 71

45. Călmuc Mădălina, Călmuc Valentina-Andreea, **Iticescu Catalina**, Georgescu P. Lucian, Timofti Mihaela, Arseni Maxim, Țopa Maria Cătălina, Roșu Adrian. Assessing the lower Danube water quality using the water pollution index. *Tehnomus Journal*, 2019, pp. 77-81

44. Călmuc Valentina-Andreea, Călmuc Mădălina, Georgescu P. Lucian, **Iticescu Catalina**, Timofti Mihaela, Arseni Maxim, Țopa Cătălina, Roșu Adrian. Spatial distribution of heavy metals in the Danube surface sediment near the Galati City. *Tehnomus Journal*, 2019, pp. 66-70

43. Arseni Maxim, Rosu Adrian, Georgescu Puiu Lucian, **Iticescu Catalina**, Calmuc Valentina, Calmuc Madalina. Impact of expansion and contraction coefficients on water surface profile. *Tehnomus Journal*, 2019, pp. 60-65

42. Mihaela Timofti, **Cătălina Iticescu**, Lucian. P. Georgescu, Gabriel Murariu, Cătălina Țopa, Dumitru Dima, A study on the sewage sludge properties and on some safe ways using it in order to avoid environment pollution, *Annals of "Dunarea de Jos" University*

of Galati, Mathematics, Physics, Theoretical mechanics, Fascicle II, Year X (XLI) 2018, no. 1, p. 5 – 10

41. Alexandru Banescu, Lucian P. Georgescu, **Catalina Iticescu**, Eugen Rusu, Analysis of the flood risk in Danube Delta - case study the Maliuc area, Annals of “Dunarea de Jos” University of Galati, Mathematics, Physics, Theoretical mechanics, Fascicle II, Year X (XLI) 2018, no. 1, p. 40 - 48

40. Ionela Cotloguț, Catalina M. Țopa, Mihaela Timofti, Gabriel Murariu, Maxim Arseni, **Cătălina Iticescu**, Lucian P. Georgescu, Assessment of chemical parameters in the lower Danube, Annals of “Dunarea de Jos” University of Galati, Mathematics, Physics, Theoretical mechanics, Fascicle II, Year X (XLI) 2018, no. 2, p. 196 – 203

39. Maxim Arseni, Adrian Roșu, **Cătălina Iticescu**, Lucian P. Georgescu, Mihaela Timofti, Violeta Pintilie, Mădălina Calmuc, Octavian Roman, A review of bathymetric measurements from August 2018 campaign on the lower course of Danube river, Annals of “Dunarea de Jos” University of Galati, Mathematics, Physics, Theoretical mechanics, Fascicle II, Year X (XLI) 2018, no. 2, p. 220 – 227

38. Adrian Roșu, Bogdan Roșu, Daniel E. Constantin, Mirela Voiculescu, Maxim Arseni, Valentina Călmuc, Cătălina Iticescu and Lucian P. Georgescu, Overview of NO₂ pollution level in the lower Danube basin during DANS measurements campaign, Annals of “Dunarea de Jos” University of Galati, Mathematics, Physics, Theoretical mechanics, Fascicle II, Year X (XLI) 2018, no. 2, p. 163 – 170

37. Valentina Călmuc, Mădălina Călmuc, Cătălina M. Țopa, Mihaela Timofti, Cătălina Iticescu, Lucian P. Georgescu, Observations of jets in the magnetos heath: first results based on CLUSTER data analysis, Annals of “Dunarea de Jos” University of Galati, Mathematics, Physics, Theoretical mechanics, Fascicle II, Year X (XLI) 2018, no. 2, p. 171 – 178

36. Mădălina Călmuc, Valentina Călmuc, Cătălina M. Țopa, Mihaela Timofti, Cătălina Iticescu, Lucian P. Georgescu, Review on water quality assessment in the Danube river basin, Annals of “Dunarea de Jos” University of Galati, Mathematics, Physics, Theoretical mechanics, Fascicle II, Year X (XLI) 2018, no. 2, p. 189 – 195

35. Alexandru Banescu, Lucian P. Georgescu, **Catalina Iticescu**, Eugen Rusu, ANALYSIS OF THE FLOOD RISK IN DANUBE DELTA - CASE STUDY THE MALIUC AREA, ANNALS OF “DUNAREA DE JOS” UNIVERSITY OF GALATI, MATHEMATICS, PHYSICS, THEORETICAL MECHANICS, FASCICLE XII, YEAR (XXVIII) 2018, No. 1, p. 51 - 58

34. Alexandru Banescu, Lucian Puiu Georgescu, **Catalina Iticescu** & Eugen Rusu, ANALYSIS OF THE WIND ACTION ON THE TURBINES OPERATING IN THE DOBROGEA REGION FROM ROMANIA, Conference: 17th International Scientific GeoConference SGEM 2017 18 International Multidisciplinary Scientific GeoConference SGEM 2018, SECTION RENEWABLE ENERGY SOURCES AND CLEAN TECHNOLOGIES, July 2018, DOI: 10.5593/sgem2018/4.1/S17.018, p. 1-8

33. Alexandru Banescu, Lucian Puiu Georgescu, **Catalina Iticescu** & Eugen Rusu, ANALYSIS OF RIVER LEVEL AND OF THE VOLUME FLOW ON THE DANUBE CLOSE TO THE CITY OF TULCEA, BASED ON IN SITU MEASUREMENTS, Journal of Marine technology and Environment Year 2018, Vol.1, p. 7 - 13

32. 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
31. 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
30. 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
29. 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
28. 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
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
26. 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
25. 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
24. 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.

23. 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

22. 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

21. 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.

20. 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

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-Parceș, 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 Căldăraru, *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 $FeSO_4 \cdot 7H_2O$ ”, 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 in 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 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. 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

1.6. 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**

1.5. 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: MCEM

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 complexa a mediului in aria fluviului Dunarea, 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 national de CD, Performanta institutionala – Proiect de dezvoltare institutionala, 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 actiuni pentru pregatirea participarii nationale la Proiectul DANUBIUS – RI, 4/2018, 7 mai 2018 – 6 iulie 2019, Coordonator proiect. INCDSB Bucuresti*

Valoare totala 26.072.882 lei din care UDJG: 6181300 lei.

Responsabilitate: **Coordonator P3, UDJG**

2.14. Dezvoltarea sistemului national de CD, Performanta institutionala – Proiect de dezvoltare institutionala, *Excelență, performanță și competitivitate in 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 totala: 460000 lei.

Responsabilitate: **director proiect**

2.12. Programul PN III, Resurse umane, Proiect de mobilitate pentru cercetatori, 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 industriale (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 CEEX: „Oportunități europene pentru cercetarea națională activă în domeniul nanotehnologiilor: Conferință și workshop pentru promovarea transferului tehnologic”, **2006-2007**

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

2.2. Membru în proiectul CEEX: “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

3.10. Proiect de cercetare aplicativă, acord cadru 5206/16.02.2022, *Impactul metalelor grele și mioplastului 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

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

E. ALTE LUCRĂRI ELABORATE ȘI CONTRIBUȚII ȘTIINȚIFICE

1. Maxim Arseni, Adrian Rosu, Octavian Roman, Madalina Calmuc, Valentina Calmuc, **Catalina Iticescu**, Puiu Georgescu Lucian, Comparison of vertical accuracy of DEM from satellite-derived data, Lidar and river depth sounding for hydrodynamic modeling, (poster presentation), Conferința Școlilor Doctorale: 8th Edition of SCDS-UDJG, Galați, 18-19 June, 2020.

2. Banescu, A., Georgescu, L. P., Iticescu, C. and Rusu, E. (2020) “Methods of flood risk analysis. Case study Baltenii de Sus locality from the Danube Delta”, *Analele Universității ”Dunărea de Jos” din Galați. Fascicula II, Matematică, fizică, mecanică teoretică / Annals of the ”Dunărea de Jos” University of Galati. Fascicle II, Mathematics, Physics, Theoretical Mechanics*, 43(1), pp. 48-57. doi: <https://doi.org/10.35219/ann-ugal-math-phys-mec.2020.1.07>, Conferința Școlilor Doctorale: 8th Edition of SCDS-UDJG, Galați, 18-19 June, 2020.

3. Calmuc, V.A., Călmuc, M., Arseni, M., **Iticescu, C.**, Georgescu, L.P., 2020. Preliminary statistical relationship between heavy metals in Lower Danube sediments, Conferința Școlilor Doctorale: 8th Edition of SCDS-UDJG, Galați, 18-19 June, 2020.

4. Calmuc, M., Calmuc, V.A., Georgescu, L.P., **Iticescu, C.**, Arseni, M., 2020b. Assessment of nutrients and oxygen regime in the Lower Danube water, Conferința Școlilor Doctorale: 8th Edition of SCDS-UDJG, Galați, 18-19 June, 2020.

5. **Cătălina Iticescu**, Lucian Georgescu, Mihaela Timofti, Cătălina Țopa, Camen Cătălina Angheluță, Gabriel Murariu, Mădălina Călmuc, Valentina Călmuc, Maxim Arseni, Adrian Roșu. The Impact of Industrial Pollution on Water Quality in Galati City. 2019 International Conference on Environment Sciences and Renewable Energy (ESRE 2019), May 27-29, 2019 Bali, Indonesia

6. Adrian Roșu, Daniel-Eduard Constantin, Mihaela Timofti, Mirela Voiculescu, **Cătălina Iticescu**, Bogdan Roșu, Arseni Maxim. Assessing the air pollution conditions in which outdoor cultural heritage objects from Galați city (Romania) are found. 2019

International Conference on Environment Sciences and Renewable Energy (ESRE 2019), May 27-29, 2019 Bali, Indonesia

7. Mihaela Timofti, **Catalina Iticescu**, Madalina Calmuc, Valentina Andreea Calmuc, Adrian Rosu, Maxim Arseni, Lucian P. Georgescu. Long-Term Assessment of Danube River Water Quality Before its Discharge into the Danube Delta. 2019 International Conference on Environment Sciences and Renewable Energy (ESRE 2019), May 27-29, 2019 Bali, Indonesia

8. Maxim Arseni, Adrian Roșu, Lucian P. Georgescu, **Cătălina Iticescu**, Roman Octavian, Mihaela Timofti, Mădălina Călmuc, Valentina Călmuc. The Role of River Channel Roughness for Water Level Modeling During the 2005-Year Flood on Siret River Using Hec-Ras Model. Scientific Conference of Doctoral Schools SCDS-UDJG 2019, 7th Edition, 13-14 of June, Galati, P.P. 2.10.

9. Mădălina Călmuc, **Cătălina Iticescu**, Cătălina Țopa, Mihaela Timofti, Lucian P. Georgescu, Gabriel Murariu, Valentina Călmuc, Ionela Cotloguț, Adrian Roșu, Maxim Arseni. Testing the Applicability of Different Physico-Chemical Indices for Assessing Water Quality in the Lower Danube. Scientific Conference of Doctoral Schools SCDS-UDJG 2019, 7th Edition, 13-14 of June, Galati, P.P. 2.12.

10. Valentina Călmuc, **Cătălina Iticescu**, Cătălina Țopa, Mihaela Timofti, Lucian P. Georgescu, Maxim Arseni, Gabriel Murariu, Mădălina Călmuc, Adrian Roșu. Assessing the Contamination Level and Ecological Risk of Heavy Metals in the Lower Danube Sediment by Using Different Pollution Indices. Scientific Conference of Doctoral Schools SCDS-UDJG 2019, 7th Edition, 13-14 of June, Galati, P.P. 2.13

11. Arseni Maxim, Rosu Adrian, Georgescu Puiu Lucian, **Iticescu Catalina**, Calmuc Valentina, Calmuc Madalina. Impact of expansion and contraction coefficients on water surface profile. The 20th Edition of the International Conference TEHNOMUS NEW TECHNOLOGIES AND PRODUCTS IN MACHINE MANUFACTURING TECHNOLOGIES, Section 3 Environmental engineering and sustainable development, Oral presentation no. 2, 2019

12. Călmuc Valentina-Andreea, Călmuc Mădălina, Georgescu P. Lucian, **Iticescu Catalina**, Timofti Mihaela, Arseni Maxim, Țopa Cătălina, Roșu Adrian. Spatial distribution of heavy metals in the Danube surface sediment near the Galati City. The 20th Edition of the International Conference TEHNOMUS NEW TECHNOLOGIES AND PRODUCTS IN MACHINE MANUFACTURING TECHNOLOGIES, Section 3 Environmental engineering and sustainable development, Oral presentation no. 3, 2019

13. Călmuc Mădălina, Călmuc Valentina-Andreea, **Iticescu Catalina**, Georgescu P. Lucian, Timofti Mihaela, Arseni Maxim, Țopa Maria Cătălina, Roșu Adrian. Assessing the lower Danube water quality using the water pollution index. The 20th Edition of the International Conference TEHNOMUS NEW TECHNOLOGIES AND PRODUCTS IN MACHINE MANUFACTURING TECHNOLOGIES, Section 3 Environmental engineering and sustainable development, Oral presentation no. 4, 2019

14. **Catalina Iticescu**, Lucian P. Georgescu, Gabriel Murariu, Adrian Cîrciumaru, Mihaela Timofti, The Characteristics of Sewage Sludge Used on Agricultural Lands, 2nd International Conference on Environment, Chemical Engineering & Materials, Sliema, Malta, June 22-24, 2018

15. **Catalina Iticescu**, Lucian Georgescu, Gyorgy Deak, Maxim Arseni, Adrian Rosu, *The composition of sewage sludge from treatment plants in the South-East region*

of Romania, 9th International Conference on Biology, Environment and Chemistry (ICBEC 2018), Seoul, South Korea, October 10-12, 2018

16. **Catalina Iticescu**, Lucian Georgescu, Gabriel Murariu, Mihaela Timofti, Violeta Pintilie, Antoaneta Ene, Manuela Sidoroff, The assessment of Danube water quality in the Galati area, Romania, through water quality index (WQI), 9th International Conference on Biology, Environment and Chemistry (ICBEC 2018), Seoul, South Korea, October 10-12, 2018

17. Mihaela Timofti, **Catalina Iticescu**, Mădălina Călmuc, Valentina-Andreea Călmuc, Ionela Cotloguț, Andreea-Liliana Nistor, Adrian Florescu, Maxim Arseni, Adrian Roșu, Lucian P. Georgescu, Preliminary studies regarding the water quality of Danube River using different kind of methods, 9th International Conference on Biology, Environment and Chemistry (ICBEC 2018), Seoul, South Korea, 10-12 October 2018, <http://www.icbec.org>

18. Gabriel Murariu, Ovidiu Badea, Dan Munteanu, Adrian Gabriel Murariu, **Catalina Iticescu**, Lucian Georgescu, Study of K means clustering method approach in forest composition identification. Case study – Hanu Conachi Forest areas International Scientific Conference Forest Science for a Sustainable Forestry and Human Wellbeing in a Changing World” INCDS „Marin Drăcea” 85 Years of Activity Centenary of The Great Union in 1918 September 18th - 21th 2018 (pg. 157)

19. Gabriel Murariu, Ovidiu Badea, Dan Munteanu, Adrian Gabriel Murariu, Lucian Georgescu **Catalina Iticescu**, Identification of Individual Tree Crowns From Aerial Imagery Using ANN Structures. Case Study Hanu Conachi - Independenta Forests International Scientific Conference Forest Science for a Sustainable Forestry and Human Wellbeing in a Changing World” INCDS „Marin Drăcea” 85 Years of Activity Centenary of The Great Union in 1918 September 18th - 21th 2018 (pg. 158)

20. Gabriel Murariu, Lucian Dinca, Ovidiu Badea, Vlad Crisan, Catalina Iticescu, Adrian Gabriel Murariu, Lucian Georgescu, **Catalina Iticescu**, Study of soil moisture dynamics in forests, depending on surface parameters and a reference in the Southern Carpathians areas International Scientific Conference Forest Science for a Sustainable Forestry and Human Wellbeing in a Changing World” INCDS „Marin Drăcea” 85 Years of Activity Centenary of The Great Union in 1918 September 18th - 21th 2018 (pg. 159)

21. Gabriel Murariu, Catalina Iticescu, Nicoleta Barbuta Misu, Lucian P. Georgescu, Bogdan Rosu, ANALYSIS OF THE SPATIAL VARIABILITY OF THE FACTORS DESCRIBING THE WATER QUALITY TO ASSESS THE ECONOMIC IMPACT ON MEDIUM AND LONG TERM - CASE STUDY - DANUBE RIVER IN THE SOUTH-EAST AREA OF ROMANIA, International Conference SGEM 2018-SGEM Vienna GREEN, 2018, Session 3-6 December, 2018

22. Gabriel Murariu, Adrian Murariu, Catalina Iticescu, Mihaela Timofti, Lucian P. Georgescu, INVESTIGATION OF WATER QUALITY STATE DYNAMICS OF DANUBE RIVER IN THE EASTERN PART OF ROMANIA, International Conference SGEM 2018- SGEM Vienna GREEN, 2018, Session 3-6 December, 2018

23. Gabriel Murariu, Adrian Gabriel MURARIU, Catalina ITICESCU, Silvius STANCIU, Lucian DINCA, INVESTIGATION OF GROWTH RATE ASSESSMENT FOR LOCUST (Robinia pseudoacacia) IN THE EASTERN ROMANIA, International Conference SGEM 2018- SGEM Vienna GREEN, 2018, Session 3-6 December, 2018

24. **Catalina Iticescu**, Lucian P. Georgescu, Mihaela Timofti, Gabriel Murariu, Catalina Țopa, Dima Dumitru, Maxim Arseni, Adrian Roșu, The solutions for use the sewage sludge of Municipal Wastewater Treatment Plant (WWTP) of Galati City, UGAL International Conference Multidisciplinary HUB for the Higher Education Internationalization by Means of Innovative Interaction with the Labour Market and Society 26th-27th of October, 2018
25. Cotloguț Ionela, Timofti Mihaela, **Iticescu Cătălina**, Georgescu Lucian P., Țopa Maria Cătălina , ASSESSMENT OF CHEMICAL PARAMETERS IN THE LOWER DANUBE, Multidisciplinary HUB for the Higher Education Internationalization by Means of Innovative Interaction with the Labour Market and Society, 26th-27th of October, 2018, <http://fdi.ugal.ro/index.php/ro/conference-home>
26. Florescu Adrian, Timofti Mihaela, **Iticescu Cătălina**, Georgescu Lucian P., Țopa Maria Cătălina, DYNAMICS AND VARIATION OF HEAVY METALS IN WATER ON THE LOWER DANUBE RIVER, Multidisciplinary HUB for the Higher Education Internationalization by Means of Innovative Interaction with the Labour Market and Society, 26th-27th of October, 2018, <http://fdi.ugal.ro/index.php/ro/conference-home>;
27. Nistor Andreea-Liliana, Cotloguț Ionela, Timofti Mihaela, **Iticescu Cătălina**, Georgescu Lucian P., Țopa Maria Cătălina, VARIATION OF PHYSICO-CHEMICAL PARAMETERS IN THE LOWER DANUBE WATER, Multidisciplinary HUB for the Higher Education Internationalization by Means of Innovative Interaction with the Labour Market and Society, 26th-27th of October, 2018, <http://fdi.ugal.ro/index.php/ro/conference-home>
28. **Catalina Iticescu**, Lucian P. Georgescu, Mihaela Timofti, Gabriel Murariu, Catalina Țopa, Dima Dumitru, Maxim Arseni, Adrian Roșu, The solutions for use the sewage sludge of Municipal Wastewater Treatment Plant (WWTP) of Galati City, Conference Multidisciplinary HUB for the Higher Education Internationalization by Means of Innovative Interaction with the Labour Market and Society, 26th-27th of October, 2018
29. Violeta Pintilie, Antoaneta Ene, **Cătălina Iticescu**, Lucian Puiu Georgescu, NATURAL RADIOACTIVITY IN SURFACE WATER FROM GALATI, ROMANIA, Conference Multidisciplinary HUB for the Higher Education Internationalization by Means of Innovative Interaction with the Labour Market and Society, 26th-27th of October, 2018
30. Gabriel Murariu, Lucian Georgescu, **Catalina Iticescu**, Valentina Calmuc, Madalina Calmuc, Mihaela Timofti, CHANGING THE SET OF PARAMETERS FOR WQI CALCULATION BASED ON THE IDENTIFICATION OF GLOBAL MAXIMUM STATES, Conference Multidisciplinary HUB for the Higher Education Internationalization by Means of Innovative Interaction with the Labour Market and Society, 26th-27th of October, 2018
31. Gabriel Murariu, Lucian Georgescu, **Catalina Iticescu**, Valentina Calmuc, Madalina Calmuc, Mihaela Timofti, EXPANDING THE SET OF PARAMETERS FOR THE WQI CALCULATION BASED ON CORRELATION COEFFICIENTS, Conference Multidisciplinary HUB for the Higher Education Internationalization by Means of Innovative Interaction with the Labour Market and Society, 26th-27th of October, 2018

32. Gabriel Murariu, Lucian P. Georgescu, **Catalina Iticescu**, Valentina Calmuc, Madalina Calmuc, Mihaela Timofti, STUDY ON THE USE OF THE PARAMETER SET NORMALIZATION METHOD FOR THE WQI CALCULATION, Conference Multidisciplinary HUB for the Higher Education Internationalization by Means of Innovative Interaction with the Labour Market and Society, 26th-27th of October, 2018
33. Valentina-Andreea Călmuc, Mădălina Călmuc, Mihaela Timofti, **Cătălina Iticescu**, Lucian P. Georgescu, Maria Cătălina Țopa, VARIOUS METHODS FOR CALCULATING WATER QUALITY INDEX, Conference Multidisciplinary HUB for the Higher Education Internationalization by Means of Innovative Interaction with the Labour Market and Society, 26th-27th of October, 2018
34. Mădălina Călmuc, Valentina-Andreea Călmuc, Mihaela Timofti, **Cătălina Iticescu**, Lucian P. Georgescu, Maria Cătălina Țopa, REVIEW ON WATER QUALITY ASSESSMENT IN THE DANUBE RIVER BASIN, Conference Multidisciplinary HUB for the Higher Education Internationalization by Means of Innovative Interaction with the Labour Market and Society, 26th-27th of October, 2018
35. Maxim Arseni, Adrian Rosu, **Catalina Iticescu**, Lucian P. Georgescu, Mihaela Timofti, Violeta Pintilie, Madalina Calmuc, A REVIEW ON BATHYMETRIC MEASUREMENTS FROM AUGUST 2018 CAMPAIGN ON THE LOWER COURSE OF DANUBE RIVER, Conference Multidisciplinary HUB for the Higher Education Internationalization by Means of Innovative Interaction with the Labour Market and Society, 26th-27th of October, 2018
36. Tiberius M. Danalache, Gyorgy Deak, Lucian P. Georgescu, Marius C. Raischi, Alexandru Cristea, Elena Holban, Madalina G. Boboc, Monica Matei, **Catalina Iticescu**, Gabriel Cornateanu, Behavior Monitoring Coming from Aquaculture and Released for the Wild Sturgeon Species Restocking on Lower Danube, ICFAM 2018: 20th International Conference on Fisheries and Aquaculture Management to be held in Tokyo, Japan during November, 12-13, 2018
37. Gyorgy Deak, Marius C. Raischi, Lucian P. Georgescu, Tiberius M. Danalache, Elena Holban, Madalina G. Boboc, Monica Matei, **Catalina Iticescu**, Marius V. Olteanu, Stefan Zamfir, Gabriel Cornateanu, Methods and Techniques for Lower Danube Sturgeon Monitoring Used for the Assessment of Anthropic Activities Pressures and the Quantification of Risks on These Species, ICFAM 2018 : 20th International Conference on Fisheries and Aquaculture Management to be held in Tokyo, Japan during November, 12-13, 2018
38. **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
39. **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
40. **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

41. **Cătălina Iticescu**, Mihaela Timofti, Dumitru Dima, Adrian Cârciuamaru, Gabriel Murariu, Lucian Puiu Georgescu, *Use of sewage sludge in incinerators*, 5th International Conference on Environment Pollution and Prevention (ICEPP 2017), Singapore, December 2017
42. Mihaela Timofti, Cătălina Iticescu, Lucian P. Georgescu, Gabriel Murariu, Cătălina Țopa, 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
43. **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
44. Lucian P. Georgescu, **Catalina Iticescu**, The use of sludge from WWTP Galati in agriculture, PRONASEN 2016, BUCHAREST, November 2016
45. **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
46. Mihaela Timofti, Ionelia Savinuță, 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
47. Mihaela Timofti, **Catalina Iticescu**, Gabriel Murariu, Lucian P. Georgescu¹, Maria Catalina Topa¹, Adrian Burada, *Evaluation of the Danube water quality using WQI*, **RomPhysChem 16, Galati, September 2016**
48. **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 otcombrie 2016, Iași, România
49. 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
50. 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.
51. 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

52. 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.
53. 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
54. 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
55. 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
56. 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 (CSSD-UDJG) 16- 17 Mai 2013.
57. 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
58. 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
59. 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
60. **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
61. 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](#)

62. Lucian P. Georgescu, **Cătălina Iticescu**, Aurelia Caldararu and Gabriel Murariu, DANUBE WATER QUALITY INDEX IN THE GALATI AREA, prezentata in lucrările plenare in cadrul conferinței internaționale *“ENVIRONMENTAL CAPACITY BUILDING”*, 11-13 November 2011, Bucharest, Romania
63. 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 conferinței internaționale *“ENVIRONMENTAL CAPACITY BUILDING”*, 11-13 November 2011, Bucharest, Romania
64. 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 conferinței internaționale *“ENVIRONMENTAL CAPACITY BUILDING”*, 11-13 November 2011, Bucharest, Romania
65. 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
66. 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
67. 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
68. 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 triticum sp. on antropogenic soils*, International Symposium Control and Metrology of Environmental Quality Factors (IS.CMEQF- 01) Iasi, 23-27 nov. 2010
69. **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
70. **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
71. 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
72. **C. Iticescu**, G. Cârâc and Th. Lampke, *Ni/CeO₂ composite coatings*, International Conference of Physical Chemistry, ROMPHYSICHEM 13, September 3 - 5, 2008, Bucharest – ROMANIA

73. 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
74. Paula Popa, **Cătălina Iticescu**, Geta Cârâc, Paula Cojocaru and Thomas Lampke, *Corrosion behavior of Ni-Co alloys with nano-Al₂O₃ particles*, International Conference of Physical Chemistry, ROMPHYSICHEM 13, September 3 - 5, **2008**, Bucharest - ROMANIA
75. 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
76. V. Mușat, R. Prabakaran, E. Fortunato, **C. Iticescu**, M. Mazilu, Effect of porosity on the optical and electrical properties of ZnO:SiO₂ 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
77. 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,
78. V. Mușat, P. Budrugaec, C. Gheorghies, **C. Iticescu**, E. Segal, *Thermal behaviour of sol-gel precursors for ZnO-SiO₂ nanocomposite thin films*, XIVth International Sol-Gel Conference, 2-7 Sept. **2007**, Montpellier Franta, Poster
79. V. Mușat, **C. Iticescu**, A. Petrică, G. Năstase, F.Potecașu, *Silica-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
80. Cârâc, G., Benea, L., **Iticescu C.** și Kalman E., *Studii electrochimice în codepunerea particulelor nanometrice de Al₂O₃ cu nichel*, Conferința internațională Corozivitate și Protecție Anticorozivă (CPA), 27 - 28 Octombrie **2006**, Cluj Napoca
81. **C. Iticescu**, G. Carac, O. Mitoseriu, "Cu-TiO₂ nanocomposite coatings", International Conference on Physical Chemistry, [Romphyschem-12](#), September 6 - 8, **2006**, Bucharest - ROMANIA
82. G. Cârâc, **C. Iticescu**, Th. Lampke and S. Steinhäuser, *Effect of nano-Al₂O₃ particles in the electrodeposition with Ni*, International Conference on Physical Chemistry, [Romphyschem-12](#), September 6 - 8, **2006**, Bucharest - ROMANIA
83. V. Musat, E. Fortunato, R. Monteiro, **C. Iticescu**, P. Vilarinho, "Mesoporous Sol-Gel Silica-Based Nanocomposite Thin Films", International Conference on Physical Chemistry, [Romphyschem-12](#), September 6 - 8, **2006**, Bucharest - ROMANIA
84. G. Carac, L. Benea, **C. Iticescu**, P.L.Bonora, E. Kalman (2005), „Electrochemical Study of Al₂O₃ Nanoparticles Codeposition in Nickel Matrix”, Nano-Chemistry Workshop of COST Chemistry Action D19, Chemical Functionality Specific to the Nanometer Scale, Istanbul, Turkey, 1-4 September **2005**
85. Geta Carac, Lidia Benea, **Catalina Iticescu**, Pier Luigi Bonora, Erika Kalman, *Electrochemical study of the codeposition of Al₂O₃ nanoparticles in the matrix of nickel*, Journées d'Electrochimie **2005**- 5-8 juillet 05 - St Malo
86. G. Cârâc, L. Benea, **C. Iticescu**, Th. Lampke and S. Steinhäuser, *Correlation between Structure and Resulting Wear and Corrosion Resistance of Functionally*

Modified Surfaces by Codeposition of Cerium Oxide with Nickel and Cobalt, The EUROCORR Conference, Budapest- Hungary, 28 Sept.-2 Oct.**2003**, Session WP17, Abstract 282

87. O. Mitoseriu, **C. Iticescu**, F. Potecasu, L. Mitoseriu, *Cu-P Composite Coatings*, abstract nr. 309, 3rd International Conference of the Chemical Societies of the South-Eastern European Countries on Chemistry in the New Millennium an Endless Frontier, **2002** September 22-25, Bucharest, Romania

88. O. Mitoșeriu, L. Mitoșeriu,, **C. Iticescu**, A. Preda, „Chemically Obtained Copper Matrix Composite Coatings”, Euromat **2001**, 7th European Conference on Advanced Materials and Processes, Rimini-Italy 10-14 June, abstract page no. 123

89. **C. Iticescu**, L. Mitoseriu and O. Mitoseriu, „Obtainig and Characterision of Copper Matrix Composite Coatings”, Euromat Junior, Lausanne, 2-5 September **2002**

90. Mitoseriu, O, **Iticescu**, C and Horoiu, C, “Cooper Matrix Composite Coatings Chemically Obtained”, The 10th Conference on Physical Chemistry, Iasi, Romania, 25-29 September, **2000**

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