



**Europass
Curriculum Vitae**



Personal information

First name(s) / Surname(s) **ANDRONIC LUMINITA CAMELIA**

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SCOPUS <https://www.scopus.com/authid/detail.uri?authorId=15126824300>

Web of Science Researcher <https://www.webofscience.com/wos/author/record/1194319>

ID: B-6474-2009

Google Scholar <https://scholar.google.com/citations?user=N3nYhV4AAAAJ&hl=en&oi=ao>

Address(es) Eroilor, 29, 500036, BRASOV, ROMANIA

E-mail andronic-luminita@unitbv.ro

Nationality Romanian

Gender female

**Desired employment /
Occupational field** Transilvania University of Brasov, Product Design and Environmental Faculty

Work experience

Dates **02.2019**

Occupation or position held Professor

Main activities and responsibilities Teaching courses: Chemistry, Wastewater Treatment (Bachelor level), Integrated technologies for wastewater treatment and soil decontamination, Life cycle assessment and Project management (Master level), Guidance for student thesis, practice guidance (tutoring); Mentoring student scientific research.

Name and address of employer Transilvania University of Brasov, Product Design and Environment Faculty, Eroilor, 29, 500036, Brasov-Romania

Type of business or sector Education and Research

Dates **03.2013-02.2019**

Occupation or position held Associate Professor

Main activities and responsibilities	Teaching courses: Chemistry and Wastewater Treatment (Bachelor level), Advanced (Waste)Water Treatment and Environmental Chemistry (Master level), Guidance for student thesis, practice guidance (tutoring); Mentoring student scientific research.
Name and address of employer	Transilvania University of Brasov, Product Design and Environment Faculty
Type of business or sector	Education and Research
Dates	03.2008-03.2013
Occupation or position held	Lecturer
Main activities and responsibilities	Teaching courses, seminars and laboratories, and academic guidance works
Name and address of employer	Transilvania University of Brasov, Product Design and Environmental Faculty,
Type of business or sector	Education and Research
Dates	10.2003-03.2008
Occupation or position held	Assistant Professor
Main activities and responsibilities	Teaching seminars and laboratories
Name and address of employer	Transilvania University of Brasov, Product Design and Environment Faculty, Eroilor, 29, 500036, Brasov-Romania
Type of business or sector	Education and Research

Education and training

Dates	08.08.2018
Title of qualification awarded	Habilitation in Environmental Engineering
Name and type of organisation providing education and training	Technical University of Cluj-Napoca-Romania
Dates	06.2010-05.2013
Title of qualification awarded	Postdoctoral researcher
Main activities and responsibilities	Research and reporting according to a set plan in national and international projects (95%). The instruction associated with this research (5%).
Principal subjects/occupational skills covered	Ceramic materials, Semiconductors, Materials synthesis (sol-gel, doctor blade, photochemical deposition, spray pyrolysis deposition), Materials characterisation (XRD, FT-IR, AFM, contact angle, UV-VIS, DSC, optoelectronic properties), Wastewater analysis and treatment, Advanced Oxidation Process, Photocatalysis,
Name and type of organisation providing education and training	Transilvania University of Brasov-Romania
Dates	10.2003-02.2010
Title of qualification awarded	Doctor of Science (Material Science and Engineering)
Main activities and responsibilities	Research and reporting according to a set plan in national and international projects. Research according to a set plan for thesis. Instruction and thesis supervision.
Principal subjects/occupational skills covered	Ceramic materials, Semiconductors, Materials synthesis (sol-gel, doctor blade, photochemical deposition, spray pyrolysis deposition), Materials characterisation (XRD, FT-IR, AFM, contact angle, UV-VIS, DSC, opto-electronic properties), Wastewater analysis and treatment, Advanced Oxidation Process, Photocatalysis,
Name and type of organisation providing education and training	Transilvania University of Brasov-Romania

Dates	10.2006-02.2008				
Title of qualification awarded	Master of Science				
Principal subjects/occupational skills covered	Nanomaterials in Environmental and Industry, Advanced Environmental Chemistry, Metrology in Chemistry, Basic of RES, Advanced Polymers, Sustainable Development, ECO Design, Environmental Impact Assessment, Project Development, Environmental Biotechnology, Electrochemical and Mechanical Corrosion				
Name and type of organisation providing education and training	Master: Applied Chemistry in Environment and Industry Transilvania University of Brasov-Romania				
Dates	10.1990-07.1995				
Title of qualification awarded	Bachelor in chemistry and physics				
Principal subjects/occupational skills covered	Inorganic Chemistry, Organic Chemistry, Analytical Chemistry, Catalysis and Catalyst, Macromolecular Chemistry, Physical-Chemistry, Electrochemistry, Physics of solids,				
Name and type of organisation providing education and training	Babes-Bolyai University, Faculty of Chemistry and Engineering Chemistry, Cluj-Napoca-Romania				
Training	<ul style="list-style-type: none">- Advances in Nanocomposite materials: preparation and characterization, Bucharest, 2012-grant COST (COST-TS-ECOST-TRAINING_SCHOOL-MP0902-030912-020683).- Eco-chemie SPR – Electrochemistry and Corrosion – Seminar and Training, Brasov, Romania, 2006.- Atomic Force Microscopy (AFM) - Training, Brasov, 2006.- Conservation and Sustainable Development of River Mouth Ecosystems, Wetlands and Lagoons, NATO Science Programme, Advance Study Institute, Galati, Romania, 2004.				
Personal skills and competences					
Mother tongue(s)	Romanian				
Other language(s)					
Self-assessment	Understanding		Speaking		Writing
European level	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	B2	B2	B2	B2	B2
Social skills and competences	<ul style="list-style-type: none">- Educational skills. Organization and participation in teamwork with young people.- I adapt well to multicultural environments and to working in multi-language teams.- I have a good communication capacity.				
Technical skills and competences	<ul style="list-style-type: none">- As a part of my research, I was responsible for setting up and maintaining our in-house databases.- Competences in advanced materials characterization (AFM, SEM, XRD, UV-VIS, FT-IR) and wastewater characterization (UV-VIS, TOC, AAS)				

Organisational skills and competences	<p>I was a member in the organizing committee of many international conferences: The International Conference on Trends in Environmental Education-EnvEdu Brasov, Romania, editions: 2005, 2006, The International Conference on Materials Science & Engineering-BRAMAT- Brasov, Romania, editions: 2005, 2007, The International Conference for Sustainable Energy-CSE-Brasov, Romania, edition 2005, 2008, 2011, 2011, 2014, 2017</p> <ul style="list-style-type: none"> - Able to contribute effectively to immediate and external teams. - Able to lead small research teams and/or large fieldwork teams effectively. - Able to establish and maintain effective communication with other team members.
Computer skills and competences	Microsoft Office, Corel Draw, Origin, ChemOffice, and so on.
Membership in professional and scientific associates	Romanian Society of Chemistry-since 2006
Scientific expert positions	<p>Reviewer in scientific ISI journals: Thin Solid Film, Vacuum, Journal of Hazardous Materials, Chemical Engineering Journal, Materials Science and Engineering B, Materials Letter, Materials Chemistry and Physics, Central European Journal of Chemistry, Desalination, Journal of Catalysis, Applied Catalysis B: Environmental, Molecules.</p>
Peer-review activity for international programs/projects	<p>Project evaluator for the international project: WATER JPI 2018, Sultan Qaboos University, University of Camerino, Italy, National Science Centre Poland</p> <p>Project evaluator in H2020 calls:</p> <ul style="list-style-type: none"> - HORIZON-CL5-2021-D3-03-03: Hybrid catalytic conversion of renewable energy to carbon-neutral fuels, - HORIZON-JTI-CLEANH2-2022-1, Clean Hydrogen JU Call 2022-1, HORIZON-JTI-CLEANH2-2022-01-03: Development of low-temperature water electrolyzers for highly pressurised hydrogen production - HORIZON-JTI-CLEANH2-2022-2, Clean Hydrogen JU Call 2022-2 - IHI / Innovative Health Initiative Joint Undertaking, 2023 <p>Technical and scientific evaluator for the international projects: M-ERA NET, COFUND-WATER WORKS ERANET, ERA-SIINN, ERANET-COFASP, ERANET-INCOMERA, ERANET-MARINE BIOTECHNOLOGY, ERANET-PROSAFE, ERANET-MANUNET II</p> <p>Technical and scientific evaluator for the national project- UEFISCDI – BRIDGE GRANT, INNOVATIVE CLUSTER, PN II</p> <p>Diploma of Excellence in 2013 for remarkable results in a scientific activity offered by Brasov County Council, Romania</p> <p>Guest Editor invited at special issue "Structurally and Elementally Promoted Nanomaterials for Photocatalysis", Journal: International Journal of Photoenergy, 2014.</p> <p>Guest Editor invited at Research Topic: Solid Inorganic Structures for the Catalytic Wet Oxidation of Industrial Organic Pollutants in Water, In Frontiers in Chemistry, 2019 (Impact factor: 5.545 in 2022), Editors: Kun Liu, Luminita Andronic, Jose G. Carriazo.</p> <p>Guest Editor invited at Special Issue "Nanomaterials and Nanotechnology for Detection, Identification and Removal of Contaminants", in Nanomaterials (Impact Factor: 5.719 in 2022), Editors: Luminita Andronic, Smagul Karazhanov, Vitor Vilar</p> <p>Guest Editor invited at Special Issue "Green Synthesis of Nanomaterials for Environmental and Biomedical Applications", in Nanomaterials (Impact Factor: 5.719 in 2022), Editors: Luminita Andronic, Jagpreet Singh</p> <p>Guest Editor invited at Special Issue "Applications of Nanomaterials for Electrocatalysis, Photocatalysis, Photoelectrochemical Solar Cells and Toxicity", in Nanomaterials (Impact Factor: 5.719 in 2022), Editors: S. Karazhanov, L. Andronic</p>

Scopus Author metrics: ISI articles: **62**, citations (Scopus): **1670**, International collaboration **32%**, Documents in top citation percentiles: **80%**, Documents in top **25%** journals: **84%**, FWCI: **1.21** Hirsch index: SCOPUS: **26**, Web of Science: **26**, Google Scholar: **30**.

Project management experience (in the last 6 years)

Year	Project title - Role – Funder – Budget – link to project webpage
2024-2028	Nature-Based Solutions for Demonstrating Climate-Resilient Critical Infrastructure , NATURE-DEMO, HORIZON 101157448, Partner, Total budget 8,682,008.75€ (UNITBV budget: 400,000 €) https://www.nature-demo.eu
2020-2023	Multifunctional 3D photocatalytic systems for environmentally friendly sustainable technologies , ERANET-M.-3D-PHOTOCAT, Grant ERANET no.169/2020, Project Coordinator, Ministry of Education and Research/ UEFISCDI, Total budget: 708.480 Lei (147,600 €) https://sites.google.com/view/3d-photocat/
2019 - 2022	Theoretical and Experimental Study of Transition Metal Oxyhydride Nanomaterials for superconductivity and photocatalysis , ERANET-M.-TESTIMONIES, Grant ERANET no.114/2019, Project Coordinator, Ministry of Education and Research/ UEFISCDI, Total budget: 752.000 Lei (160,000 €) https://sites.google.com/view/photocatalysis/home

Other relevant professional experiences

Year	Description - Role
Institutional responsibilities	
2020-present	Coordinator of the <i>Environmental Engineering Doctoral Program</i> at the Doctoral School of Transilvania University of Braşov
2020-2024	Council Members of the Product Design, Mechatronics and Environment Department
Membership in national committees	
2020-2024	<i>Member of the National Council for Certification of Titles, Diplomas, and University Certificates (CNATDCU), Environmental Engineering domain: Member of the commission (2020 – 2024)</i>
2024-2028	<i>Member of the National Council for Certification of Titles, Diplomas, and University Certificates (CNATDCU), Environmental Engineering domain: Member of the commission (2024 – 2028)</i>

List of publications

ARTICLES IN ISI JOURNALS

1. Roibu A., Udroui R., Abreu-Jaureguí C., Silvestre-Albero J., **Andronic L.** Wavelength-dependent activity screening of reduced titania for photocatalytic degradation of imidacloprid in batch and flow-mode. *Journal of Environmental Chemical Engineering*. 12(3) (2024) 112752.
2. **Andronic, L.**; Abreu-Jaureguí, C.; Silvestre-Albero, J. Construction of TiO₂@Cu₂O-CuS Heterostructures Integrating RGO for Enhanced Full-Spectrum Photocatalytic Degradation of Organic Pollutants. *J. Alloys Compd.* 994 (2024) 174682.
3. Abreu-Jaureguí C., **Andronic L.**, Sepúlveda-Escribano A., Silvestre-Albero J. Improved photocatalytic performance of TiO₂/carbon photocatalysts: Role of carbon additive. *Environmental Research*. 251 (2024) 118672.
4. Kasi Vinoth Kumar, **Luminita Andronic**, Elbruz Murat Baba, Dargie Deribew, Jeyanthinath Mayandi, Ellen Moons, Smagul Zh. Karazhanov, Experimental and Theoretical Investigation of Gadolinium Oxyhydride (GdHO) Thin Films: Optical, Photocatalytic, and Electronic Properties, *Nanomaterials*, 13 (24) (2023), 3093
5. Cazan, C.; Enesca, A.; Isac, L.; **Andronic, L.**; Cosnita, M. Accelerated Aging of Polymeric Composites Based on Waste with TiO₂ Fillers. *ACS Appl. Polym. Mater.* 5 (6) (2023) 3958–3970.

6. **Luminita Andronic**, Damir Mamedov, Cristina Cazan, Marcela Popa, Mariana Carmen Chifiriuc, Atabek Allaniyazov, Simona Palencsar, Smagul Zh Karazhanov, Cerium oxide thin films: synthesis, characterization, photocatalytic activity and influence on microbial growth, *Biofouling*, 38(9) (2022) 865-875
7. **Andronic L**, D Moldarev, D Deribew, E Moons, SZ Karazhanov, Photocatalytic self-cleaning properties of thin films of photochromic yttrium oxyhydride, *Journal of Solid State Chemistry*, 316 (2022) 123599
8. **Andronic, L.**; Lelis, M.; Enesca, A.; Karazhanov, S. Photocatalytic activity of defective black-titanium oxide photocatalysts towards pesticide degradation under UV/VIS irradiation. *Surfaces and Interfaces* 2022, 32, 102123
9. **Andronic, L.**; Ghica, D.; Stefan, M.; Mihalcea, C.G.; Vlaicu, A.-M.; Karazhanov, S. Visible-Light-Active Black TiO₂ Nanoparticles with Efficient Photocatalytic Performance for Degradation of Pharmaceuticals. *Nanomaterials* 2022, 12(15).
10. Enesca, A.; Andronic, L. UV-Vis Activated Cu₂O/SnO₂/WO₃ Heterostructure for Photocatalytic Removal of Pesticides. *Nanomaterials* 2022, 12.
11. Isac, Luminita, Cazan, Cristina, Andronic, Luminita, Enesca, Alexandru, CuS-Based Nanostructures as Catalysts for Organic Pollutants Photodegradation, *Catalysts*, (2022) Vol. 12, No. 10
12. **Andronic, L.**; Vladescu, A.; Enesca, A. Synthesis, Characterisation, Photocatalytic Activity, and Aquatic Toxicity Evaluation of TiO₂ Nanoparticles. *Nanomaterials* 11 (12) (2021) 3197.
13. Adochite, C., **Andronic, L.** Toxicity of a Binary Mixture of TiO₂ and Imidacloprid Applied to *Chlorella vulgaris*, *International journal of environmental research and public health* 18(15) (2021) 7785
14. Cazan, C., Enesca, A., **Andronic, L.**, Synergic Effect of TiO₂ Filler on the Mechanical Properties of Polymer Nanocomposites, *Polymers* 13 (2021) 2017
15. Enesca A., **Andronic L.**, Photocatalytic Activity of S-Scheme Heterostructure for Hydrogen Production and Organic Pollutant Removal: A Mini-Review, *Nanomaterials* 11 (4) (2021) 871
16. Adochite C., **Andronic L.**, Aquatic Toxicity of Photocatalyst Nanoparticles to Green Microalgae *Chlorella vulgaris*, *Water* 13(1) (2021) 77
17. **Andronic, L.**, Isac, L., Cazan, C., Enesca, A. Simultaneous Adsorption and Photocatalysis Processes Based on Ternary TiO₂-Cu_xS-Fly Ash Hetero-Structures, *Appl. Sci.* 10 (2020) 8070.
18. **Andronic L.**, Enesca A., Black TiO₂ Synthesis by Chemical Reduction Methods for Photocatalysis Applications, *Frontiers in Chemistry*, 8 (2020) 982
19. Enesca A, **Andronic L.** The Influence of Photoactive Heterostructures on the Photocatalytic Removal of Dyes and Pharmaceutical Active Compounds: A Mini-Review. *Nanomaterials* 10(9) (2020) 1766.
20. Luminita Isac, **Luminita Andronic**, Maria Visa, Alexandru Enesca, Selective photocatalytic degradation of organic pollutants by Cu_xS/ZnO/TiO₂ heterostructures, *Ceramics International* 46(4) (2020) 4265-4273.
21. Isac Luminita, Cazan Cristina, Enesca Alexandru, **Andronic Luminita**, Copper Sulfide Based Heterojunctions as Photocatalysts for Dyes Photodegradation, *Frontiers in Chemistry* 7 (2019) 694-703.
22. A. Duta, **L. Andronic**, A. Enesca, The influence of low irradiance and electrolytes on the mineralization efficiency of organic pollutants using the Vis-active photocatalytic tandem CuInS₂/TiO₂/SnO₂, *Catalysis Today* 300 (2018) 18 – 27.
23. **L. Andronic**, L. Isac, S. Miralles-Cuevas, M. Visa, I. Oller, A. Duta, S. Malato, Pilot-plant evaluation of TiO₂ and TiO₂-based hybrid photocatalysts for solar treatment of polluted water, *Journal of Hazardous Materials* 320 (2016) 469-478.
24. M. Visa, **L. Andronic**, A. Enesca, Behavior of the new composites obtained from fly ash and titanium dioxide in removing of the pollutants from wastewater, *Applied Surface Science* 388 (2016) 359-369.
25. M. Visa, **L. Andronic**, A. Duta, Fly ash TiO₂ nanocomposite material for multi-pollutants wastewater treatment, *Journal of Environmental Management* 150 (2015) 336-343.
26. **L. Andronic**, A. Enesca, C. Cazan, M. Visa, TiO₂-active carbon composites for wastewater photocatalysis, *Journal of Sol-Gel Science and Technology* 71 (2014) 396-405.
27. A. Enesca, L. Isac, **L. Andronic**, D. Perniu, A. Duta, Tuning SnO₂-TiO₂ tandem systems for dyes mineralization, *Applied Catalysis B: Environmental* 147 (2014) 175-184.
28. **L. Andronic**, D. Perniu, A. Duta, Synergistic effect between TiO₂ sol-gel and Degussa P25 in dye photodegradation, *Journal of Sol-Gel Science and Technology*, 66 (3) (2013) 472-480.

29. L. Isac, **L. Andronic**, A. Enesca, A. Duta, Copper sulfide films obtained by spray pyrolysis for dyes photodegradation under visible light irradiation, *Journal of Photochemistry and Photobiology A: Chemistry*, 252 (2013) 53– 59.
30. **L. Andronic**, A. Duta, Photodegradation of dyes in binary systems-simultaneous analysis by first-order spectra derivative method, *Chemical Engineering Journal*, 198-199 (2012) 468–475.
31. R.A. Carcel, **L. Andronic**, A. Duta, Photocatalytic Activity and Stability of TiO₂ and WO₃ Thin Films, *Materials Characterisation*, 70 (2012) 68-73.
32. A. Enesca, L. Andronic, A. Duta, Optimization of optoelectrical and photocatalytic properties of SnO₂ thin films using Zn²⁺ and W⁶⁺ dopant ions, *Catalysis Letter* 142 (2012) 224-230.
33. A. Enesca, **L. Andronic**, A. Duta, The influence of surfactants on the crystalline structure, electrical and photocatalytic properties of hybrid multi-structured (SnO₂, TiO₂ and WO₃) thin films, *Applied Surface Science* 258 (2012) 4339-4346.
34. **L. Andronic**, A. Duta, The influence of precursor's composition and concentration on cadmium doped TiO₂ film, *Central European Journal of Chemistry*, 10(1) (2012) 85-90.
35. R. A. Carcel, **L. Andronic**, A. Duta, Photocatalytic degradation of methyloange using TiO₂, WO₃ and mixed tthin films under controlled pH and H₂O₂, *Journal of Nanoscience and Nanotechnology* 11 (2011) 9095-9101.
36. **L. Andronic**, L. Isac, A. Duta, Photochemical synthesis of Copper sulphide/Titanium oxide photocatalyst, *Journal of Photochemistry and Photobiology A: Chemistry* 221 (2011) 30-37.
37. **L. Andronic**, D. Andrasi, A. Enesca, M. Visa, A. Duta, The influence of titanium dioxide phase composition on dyes photocatalysis, *Journal of Sol-Gel Science and Technology* 58 (2011) 201–208.
38. M. Visa, **L. Andronic**, D. Lucaci, A. Duta, Concurrent dyes adsorption and photo-degradation on fly ash based substrates, *Adsorption-Journal of the International Adsorption Society* 17 (2011) 101-108.
39. **L. Andronic**, Photodegradation processes for advanced real wastewaters treatment, *Environmental Engineering and Management Journal* 10 (8) (2011) 1015-1019.
40. C. Vladuta, **L. Andronic**, A. Duta, Effect of TiO₂ nanoparticles on the interfaces PET-rubber composites, *Journal of Nanoscience and Nanotechnology* 10 (2010) 2518–2526.
41. A.Enesca, **L. Andronic**, A. Duta, Influence of sodium ions (Na⁺) dopant on the efficiency of the tungsten trioxide photoelectrode, *Revue Roumaine de Chimie* 55 (2010) 11-15, FI 0.418.
42. A.M. Lazăr, I. Ciobanu, D. Chaumont, Y. Lacroute, R. Chassagnon, **L. Andronic**, M. Sacilotti, The use of TiO₂ nanostructures on the photocatalytic degradation of methylene blue, *Metalurgia International* 2 (2010) 26-29.
43. **L. Andronic**, A. Enesca, C. Vladuta, A. Duta, Photocatalytic activity of cadmium doped TiO₂ films for photocatalytic degradation of dyes, *Chemical Engineering Journal* 152 (2009) 64-71.
44. M. Visa, R.A. Carcel, **L. Andronic**, A. Duta, Advanced treatment of wastewater with methyl orange and heavy metals on TiO₂, fly ash and their mixtures, *Catalysis Today* 144 (1-2) (2009) 137-142.
45. **L. Andronic**, B. Hristache, A. Enesca, M. Visa, A. Duta, Studies on titanium oxide catalyst doped with heavy metals (cadmium, copper and nickel), *Environmental Engineering and Management Journal* 8(4) (2009) 747-751.
46. M. Visa, **L. Andronic**, A. Duta, Photocatalytic properties of titania - fly ash thin films, *Environmental Engineering and Management Journal* 8(4) (2009) 633-638.
47. A. Enesca, **L. Andronic**, A. Duta, Wastewater treatment using optimized TiO₂ photocatalytic properties, *Environmental Engineering and Management Journal* 8(4) (2009) 753-758.
48. R. A. Carcel, **L. Andronic**, A. Duta, Cd²⁺ modified TiO₂ for methyl orange photodegradation, *Revue Roumaine de Chimie* 54(4) (2009) 311-314.
49. **L. Andronic**, S. Manolache, A. Duta, Photocatalytic degradation of methyl orange: influence of H₂O₂ in the TiO₂-based system, *Journal of Nanoscience and Nanotechnology* 8 (2008) 728–732.
50. C. Vladuta, **L. Andronic**, M. Visa, A. Duta, Ceramic interface properties evaluation based on contact angle measurement, *Surface & Coatings Technology* 202 (2008) 2448–2452.
51. **L. Andronic**, A. Duta, The influence of TiO₂ powder and film on the photodegradation of methyl orange, *Materials Chemistry and Physics* 112 (3) (2008) 1078-1082.
52. **L. Andronic**, A. Duta, Thin TiO₂ films for dyes photodegradation, *Thin Solid Films* 515(16) (2007) 6294-6297.

53. **L. Andronic**, S. Manolache, A. Duta, TiO₂ thin films prepared by spray pyrolysis deposition (SPD) and their photocatalytic activities, Journal of Optoelectronics and Advanced Materials 9(5) (2007) 1403-1406.
54. S. A. Manolache, **L. Andronic**, A. Duta, A. Enesca, The influence of the deposition condition on crystal growth and on the band gap of CuSbS₂ thin film absorber used for solid state solar cells (SSSC), Journal of Optoelectronics and Advanced Materials 9(5) (2007) 1269-1272.
55. A. Enesca, **L. Andronic**, A. Duta, S. Manolache, Optical properties and chemical stability of WO₃ and TiO₂ thin films photocatalysts, Romanian Journal of Information Science and Technology 10 (2007) 269-277.

OTHER ISI JOURNALS

56. A. Duta, A. Enesca, **L. Andronic**, Tailoring Photocatalytic Properties of Tungsten Oxide Thin Films, Advanced Materials Research, vol. 79-82, p. 847-850, 2009, DOI: 10.4028/www.scientific.net/AMR.79-82.847
57. **L. Andronic**, A. Duta, Influence of pH and H₂O₂ on dyes photodegradation, Physica Status Solidi C - Current Topics in Solid State Physics, vol. 5, no. 10, p. 3332-3337, 2008, DOI: 10.1002/pssc.200778880
58. **L. Andronic**, A. Duta, Titanium dioxide thin film for photodegradation of methyl orange, Advanced Materials Research, Vol. 23, p. 325-328, 2007, DOI: 10.4028/www.scientific.net/AMR.23.325

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59. A. Enesca, **L. Andronic**, S. Manolache, A. Duta, „ Investigation of WO₃ and TiO₂ thin films used in photocatalysis“, International Semiconductor Conference, Sinaia, Romania, Book of proceeding, vol. 2, p. 241-244, IEEE proceedings: BFM58, ISBN: 1-4244-0109-7, 2006.
60. A. Duta, I. Visa, S.A. Manolache, A. Enesca, **L. Andronic**, G.R. Calin, "Nanostructured TiO₂ for Solar Energy Conversion", International Semiconductor Conference, Sinaia, Romania, Book of Proceeding, vol. 2 p. 267-270, IEEE Catalog number: 05TH8818, ISBN: 0-7803-9214-0, Library of Congress: 2005925118, 2005.

GUEST EDITOR

Guest Editors: Tian-Yi Ma, Zhan-Ying Zhang, Jian-Liang Cao, **Luminita Andronic**, Yong Ma, Lei Liu (2014) "*Structurally and Elementally Promoted Nanomaterials for Photocatalysis*", In: International Journal of Photoenergy, Impact factor: 2.026 in 2019 ISSN: 1110-662X.

Editors: Kun Liu, **Luminita Andronic**, Jose G. Carriazo, (2019) Research Topic: *Solid Inorganic Structures for the Catalytic Wet Oxidation of Industrial Organic Pollutants in Water*, In **Frontiers in Chemistry** (Impact factor: 3.782 in 2019)

Guest Editor at Special Issue "*Nanomaterials and Nanotechnology for Detection, Identification and Removal of Contaminants*", in Nanomaterials, 2020, (Impact Factor: 4.034 in 2019), Editors: **Luminita Andronic**, Smagul Karazhanov, Vitor Vilar.

Guest Editor at Special Issue "*Green Synthesis of Nanomaterials for Environmental and Biomedical Applications*", in Nanomaterials, 2021, (Impact Factor: 5.076 in 2021), Editors: Luminita Andronic, Jagpreet Singh

Guest editor at Special Issue "*Applications of Nanomaterials for Electrocatalysis, Photocatalysis, Photoelectrochemical Solar Cells and Toxicity*" in Nanomaterials, 2024, (Impact Factor: 4.4), Editors: Smagul Karazhanov, and **Luminita Andronic**.