

Universitatea Transilvania din Braşov
 Facultatea: DESIGN DE PRODUS ŞI MEDIU
 Departamentul : DESIGN DE PRODUS,
 MECATRONICĂ ŞI MEDIU

Poz. postului 33
 Disciplinele postului:
 Epurarea apelor uzate, Procese avansate de
 tratare şi epurare a apelor / Advanced
 (Waste)Water Treatment, Electrochimie,
 coroziune şi cinetică, Chimia mediului, Chimie

FIŞA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR UNIVERSITĂŢII CONFERENŢIAR, poziţia 33

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Candidat: **ANDRONIC LUMINIŢA CAMELIA** Data naşterii: 8 APRILIE 1972
 Funcţia actuală: ŞEF LUCRĂRI Instituţia: UNIVERSITATEA TRANSILVANIA DIN BRŞOV

1. Studii universitare (licenţă şi masterat)

Nr. crt.	Instituţia de învăţământ superior şi facultatea	Domeniul	Perioada	Titlul acordat
1.	Universitatea Babes-Bolyai-Cluj-Napoca, Facultatea de Chimie şi Chimie Industrială	Chimie	OCT 1990-IUNIE 1995	Licenţiat în Chimie şi Fizică
2.	Universitatea Transilvania din Braşov, Facultatea de Ştiinţa şi Ingineria Materialelor	Ştiinţa şi Ingineria Materialelor	OCT 2006-FEB 2008	Master

2. Studii de doctorat

Nr. crt.	Instituţia organizatoare de doctorat	Domeniul	Perioada	Titlul ştiinţific acordat
1.	Universitatea Transilvania din Braşov	Ştiinţa şi Ingineria Materialelor	1.02.2004-19.02.2010	DOCTOR

Titlul tezei : *"Materiale ceramice nanostructurate cu proprietăţi fotocatalitice utilizate pentru distrugerea poluanţilor din ape"*

3. Studii şi burse postdoctorale (stagii de cel puţin 6 luni)

Nr. crt.	Instituţia	Domeniul/ Specializarea	Perioada	Tipul de bursă
1.	Universitatea Transilvania din Braşov	Produse şi Procese Inovative	1.06.2010-31.05.2013	POSDRU

Titlul proiectului: *"Filme subţiri cu proprietăţi fotocatalitice pentru epurarea avansată a apelor rezultate din industria textilă"*

4. Realizările profesional-ştiinţifice

Calitatea activităţilor didactice/profesionale	Din Fişa de evaluare şi din Propunerea de dezvoltare a carierei universitare		
Lucrări publicate în reviste de specialitate recunoscute	LUCRĂRI ISI		
	1	L. Isac, L. Andronic , A. Enesca, A. Duta, Copper sulfide films obtained by spray pyrolysis for dyes photodegradation under visible light irradiation, <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 252 (2013) 53– 59, Factor de impact 2.421	

- 2 **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, Factor de impact 3.461.
- 3 R.A. Carcel, **L. Andronic**, A. Duta, Photocatalytic Activity and Stability of TiO₂ and WO₃ Thin Films, *Materials Characterisation*, 70 (2012) 68-73, Factor de impact 1.572.
- 4 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, Factor de impact 2.242.
- 5 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, Factor de impact 2.103.
- 6 **Andronic L.**, Duta A., The influence of precursor's composition and concentration on cadmium doped TiO₂ film, *Central European Journal of Chemistry*, 10(1) (2012) 85-90, Factor de impact 1.073
- 7 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, Factor de impact 1.563.
- 8 **Andronic L.**, Isac L., Duta A., Photochemical synthesis of Copper sulphide/Titanium oxide photocatalyst, *Journal of Photochemistry and Photobiology A: Chemistry* 221 (2011) 30-37, Factor de impact 2.421.
- 9 **Andronic L.**, Andrasi D., Enesca A., Visa M., Duta A., The influence of titanium dioxide phase composition on dyes photocatalysis, *Journal of Sol-Gel Science and Technology* 58 (2011) 201-208, Factor de impact 1.632.
- 10 Visa M., **Andronic L.**, Lucaci D., Duta A., Concurrent dyes adsorption and photo-degradation on fly ash based substrates, *Adsorption-Journal of the International Adsorption Society* 17 (2011) 101-108, Factor de impact 2.00.
- 11 **Andronic L.**, Photodegradation processes for advanced real wastewaters treatment, *Environmental Engineering and Management Journal* 10 (8) (2011) 1015-1019, Factor de impact 1.004.
- 12 Vladuta, C., **Andronic, L.**, Duta, A., Effect of TiO₂ nanoparticles on the interfaces PET-rubber composites, *Journal of Nanoscience and Nanotechnology* 10 (2010) 2518-2526, Factor de impact: 1.563.
- 13 Enesca, A., **Andronic, L.**, Duta A., Influence of sodium ions (Na⁺) dopant on the efficiency of the tungsten trioxide photoelectrode, *Revue Roumaine de Chimie* 55 (2010) 11-15, Factor de impact 0.418.
- 14 **Andronic, L.** Enesca, A., Vladuta, C., Duta, A., Photocatalytic activity of cadmium doped TiO₂ films for photocatalytic degradation of dyes, *Chemical Engineering Journal* 152 (2009) 64-71, Factor de impact 3.461.
- 15 Visa, M., Carcel, R.A., **Andronic, L.**, Duta, A., 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, Factor de impact 3.407.
- 16 **Andronic, L.**, Hristache, B., Enesca, A., Visa, M., Duta, A., Studies on titanium oxide catalyst doped with heavy metals (cadmium, copper and nickel), *Environmental Engineering and Management Journal* 8(4) (2009) 747-751, Factor de impact 1.004.

- 17 Visa, M., **Andronic, L.**, Duta, A., Photocatalytic properties of titania - fly ash thin films, *Environmental Engineering and Management Journal* 8(4) (2009) 633-638, Factor de impact 1.004.
- 18 Enesca, A., **Andronic, L.**, Duta, A., Wastewater treatment using optimized TiO₂ photocatalytic properties, *Environmental Engineering and Management Journal* 8(4) (2009) 753-758, Factor de impact 1.004.
- 19 Carcel, R. A., **Andronic, L.**, Duta, A., Cd²⁺ modified TiO₂ for methyl orange photodegradation, *Revue Roumaine de Chimie* 54(4) (2009) 311-314, Factor de impact 0.418.
- 20 **Andronic, L.**, Manolache, S., Duta, A., Photocatalytic degradation of methyl orange: influence of H₂O₂ in the TiO₂-based system, *Journal of Nanoscience and Nanotechnology* 8 (2008) 728-732, Factor de impact 1.563
- 21 Vladuta, C., **Andronic, L.**, Visa, M., Duta, A., Ceramic interface properties evaluation based on contact angle measurement, *Surface & Coatings Technology* 202 (2008) 2448-2452, Factor de impact 1.867.
- 22 **Andronic, L.**, Duta, A., The influence of TiO₂ powder and film on the photodegradation of methyl orange, *Mater. Chem. Phys.* 112 (3) (2008) 1078-1082, Factor de impact 2.234
- 23 **Andronic, L.**, Duta, A., Thin TiO₂ films for dyes photodegradation, *Thin Solid Films* 515(16) (2007) 6294-6297, Factor de impact 1.89
- 24 **Andronic, L.**, Manolache, S., Duta, A., TiO₂ thin films prepared by spray pyrolysis deposition (SPD) and their photocatalytic activities, *Journal of Optoelectronics and Advanced Materials* 9(5) (2007) 1403-1406, Factor de impact 0.457
- 25 Manolache, S. A., **Andronic, L.**, Duta, A., Enesca, A., 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, Factor de impact 0.457

PROCEEDING ISI-INDEXATE THOMSON

1. Duta, A., Enesca, A., **Andronic, L.**, Tailoring photocatalytic properties of tungsten oxide thin films, *Advanced Materials Research* 79 - 82 (2009) 847-850.
2. **Andronic, L.**, Duta, A., Influence of pH and H₂O₂ on dyes photodegradation, *Physica Status Solidi (c)* 5(10) (2008) 3332-3337.
3. **Andronic, L.**, Duta, A., Titanium dioxide thin film for photodegradation of methyl orange, *Advanced Materials Research* 23 (2007) 325-328.
4. Enesca, A., **Andronic, L.**, Duta, A., Manolache, S., Investigation of WO₃ and TiO₂ thin films used in photocatalysis, *Proceedings of the International Semiconductor Conference, CAS Vol. 2* (2007) 241-244.
5. Duta, A., Visa, I., Manolache, S., Enesca, A., **Andronic, L.**, Calin, G.R., Nanostructured TiO₂ for solar energy conversion, *Proceedings of the International Semiconductor Conference, CAS Vol. 2* (2005) 267-270.

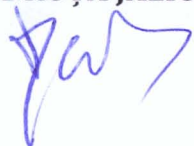
Lucrări
prezentate la
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naționale/
internaționale
în profilul
postului

- (**SELECȚIE**)
1. **Andronic L.**, Visa M., Duta A., Photodegradation Processes in Two-Dyes Systems -Simultaneous Analysis by First-Order Spectra Derivative Method, 7th European Meeting On Solar Chemistry And Photocatalysis: Environmental Applications (SPEA 7) (2012) Porto, Portugalia. (<http://spq.pt/eventos/spea7/>)
 2. **Andronic L.**, Duta A., The photocatalytic properties of dip-coating titanium oxide film, E-MRS 2011 spring meeting (2011) Nice, Franta.
 3. **Andronic L.**, Enesca A., Visa M., Duta A., The Influence Of Titanium Dioxide

- Phase Composition On Dyes Photocatalysis, 6th European Meeting On Solar Chemistry And Photocatalysis: Environmental Applications (SPEA 6) (2010) Praga, Cehia.
4. **Andronic L.**, Hristache B., Enesca A., Visa M., Duta A., Heavy metals (cadmium, copper and nickel) doped titanium oxide, The International Conference on Materials Science & Engineering (BRAMAT) (2009) BRAȘOV-ROMANIA (*publish in Environmental Engineering and Management Journal*).
 5. Duta A., Enesca A., **Andronic L.**, Tailoring photocatalytic properties of tungsten oxide thin films, The 2nd International Conference on Multi-functional Materials and Structures (2009) QINGDAO-CHINA (*publish in Advanced Materials Research*).
 6. **Andronic, L.**, Carcel, R.A., Duta A., Synthesis and photocatalytic property of bulk and surface cadmium-doped titanium oxide thin film, European Materials Research Society (E-MRS Spring meeting) (2008) STRASBURG-FRANCE.
 7. **Andronic, L.**, Enesca, A., Duta, A., Photocatalytic activity of cadmium doped TiO₂ films for photocatalytic degradation of dyes, International Conference on Advanced Nano Materials (ANM 2008) (2008) AVEIRO-PORTUGAL.
 8. **Andronic, L.**, Vladuta, C., Enesca, A., Duta A., Correlations between Surface Porosity and Dyes Photodegradation, 5th International Conference on Nanosciences & Nanotechnologies (NN08) (2008) THESSALONIKI-GREECE.
 9. **Andronic, L.**, Carcel, R.A., Visa, M., Duta, A., Photocatalytic activity of doped (Cd, Cu, Ni) titanium oxide, 5th European Meeting on Solar Chemistry and Photocatalysis: Environmental Applications (SPEA5) (2008) PALERMO-ITALY.
 10. Visa M., **Andronic L.**, Duta A., Surface Enhanced Properties Of Titania – Fly Ash Mixtures For Complex Wastewater Treatment, 3rd International Conference on Surfaces, Coatings and Nanostructured Materials (Nanosmat) (2008) BARCELONA-SPAIN.
 11. **Andronic, L.**, Duta, A., Dyes photodegradation on TiO₂ thin layers, The International Conference on Materials Science & Engineering (BRAMAT) (2007) BRAȘOV-ROMANIA.
 12. **Andronic, L.**, Duta, A., Manolache, S.A., Vladuta, C., Photodegradation of dyes catalyzed by TiO₂ thin film obtain by doctor blade and Spray Pyrolysis Deposition, European Materials Research Society (E-MRS Spring meeting) (2007) STRASBURG-FRANCE.
 13. **Andronic, L.**, Enesca, A., Manolache, S.A., Duta, A., The annealing temperature effect on the structural, optical, morphological and electrical properties of TiO₂ thin film, The 2nd International Conference on Surfaces, Coatings and Nanostructured Materials (NanoSMat) (2007) ALGAVRE-PORTUGAL.
 14. **Andronic, L.**, Duta, A., The photocatalytic activities of TiO₂ in wastewater advanced degradation process, The 2nd International Conference on Surfaces, Coatings and Nanostructured Materials (NanoSMat) (2007) ALGAVRE-PORTUGAL.
 15. **Andronic, L.**, Duta, A., Thin TiO₂ films for dyes photodegradation, European Materials Research Society (E-MRS Spring meeting) (2006) NICE-FRANCE (*publish in Thin Solid Film*).
 16. **Andronic, L.**, Manolache, S.A., Duta, A., Photocatalytic degradation of methyl orange: investigation of the surface structures of TiO₂ on the mechanism, International Workshop on Nanostructured Materials (NANOMAT) (2006) ANTALYA-TURKEY (*publish in Journal of Nanoscience and Nanotechnology*).
 17. **Andronic, L.**, Duta, A., Titanium dioxide thin film for photodegradation on methyl orange, Fourth International Conference on Materials and Manufacturing Technologies (MATEHN'06) (2006) CLUJ-NAPOCA-ROMANIA (*publish in Advanced Materials Research*).
 18. **Andronic, L.**, Duta, A., Manolache, S.A., TiO₂ thin films prepared by spray pyrolysis deposition (SPD) and their photocatalytic activities, Romanian Conference on Advanced Materials (ROCAM) (2006) BUCHAREST-ROMANIA (*publish in Journal of Optoelectronics and Advanced Materials*).

Volume de specialitate publicate în edituri recunoscute național	Andronic L., Duță A., <i>Analize fizico-chimice și metode avansate de epurare a apelor uzate</i> , Editura Universității Transilvania Brașov, 2013. Isac, L., Țică, R., Andronic, L., Vlăduță, C., <i>Chimie- Activități experimentale</i> , Editura Universității Transilvania din Brașov, 2004.
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Director de departament,
PROF DR. ING. CODRUȚA JALIU



Candidat,
ȘEF LUCR. DR. LUMINIȚA CAMELIA ANDRONIC

