

## ANEXA

### LISTĂ DE LUCRĂRI

**A. TEZA DE DOCTORAT :** „Studii și cercetări privind obținerea și corelația structură-proprietăți la straturile pe bază de oxid de cobalt obținute prin metoda sol-gel”

#### **B. CĂRȚI ȘI CAPITOLE DIN CĂRȚI**

##### **[B1] Autor**

- [1] **Romana Drasovean**, *Fizică generală vol.I*, Editura Sinteze, Galați, 2014, ISBN 978-973-585-126-2.
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- [3] **Romana Drasovean**, Gabriel Murariu, Water Quality Parameters and Monitoring Soft Surface Water Quality Using Statistical Approaches, *Promising Techniques for Wastewater Treatment and Water Quality Assessment*, 217( Moujdin A. and Kevin Summers J., editors), Intechopen, 2021, DOI: 10.5772/intechopen.97372

##### **[B2] Coautor**

- [1] C.Tudose, **R.Drasovean**, L.Mitoseriu, *Probleme de Fizică*, Pozitron, 1997, 153 pagini.
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- [4] Gabi Murariu, Cosma Tudose, **Romana Drașovean**, Licuță Enache *Mecanică Fizică și Acustică*, *Lucrări de Laborator*, Editura Fundatiei Universitare „Dunarea de Jos” Galati, 2004, ISBN 973-627-155-2, 98 pagini.
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- [8] Lucian Dinca, Mirabela Marin, Vlad Radu, Gabriel Murariu, **Romana Drasovean**, Romica Cretu, Lucian Georgescu and Voichița Timiș-Gânsac, Which are the Best Site and Stand Conditions for Silver Fir(*Abies alba* Mill.) Located in the Carpathian Mountains? in the Forest Management and Biodiversity Conservation, MDPI Book, Lucian Dinca and Miglena Zhiyanski., editors, Published: December 2023, Pages: 376, ISBN 978-3-0365-9414-9 (hardback); ISBN 978-3-0365-9415-6 (PDF), <https://doi.org/10.3390/books978-3-0365-9415-6>

#### **C. ARTICOLE PUBLICATE ÎN REVISTE DE SPECIALITATE (COTATE ISI SAU RECUNOSCUTE CNCSIS)**

##### **[C1] Articole publicate în reviste de specialitate cotate ISI**

- [1] Simona Condurache-Bota, **Romana Draşovean**, Nicolae Țigău and Alicia Petronela Râmbu, „*The influence of substrate temperature on the structure and on the optical reflection spectrum of bismuth thin films*”, Rev. Roum. Chim., 2011, **56**(12), 1101-1106, ISSN 0035-3930
- [2] **Romana Draşovean**, Simona Condurache-Bota, „*Influence of the conditions of the thermal treatment on the electrical properties of cobalt oxide layers*”, Rev. Roum. Chim, 2009, **54**(10), 827-831, ISSN 0035-3930.
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- [10] **Romana Drasovean**, Simona Condurache Bota, Nicolae Tigau, Carmen Purghel Nistor, Wastewater assessment in Galatz city (Romania) during 2015-2016, EQA – INTERNATIONAL JOURNAL OF ENVIRONMENTAL QUALITY, 27 (2018) 33-40. DOI: 10.6092/issn.2281-4485/7323.FI:1,236, SRJ:0.342
- [11] **R.Drasovean**, G. Murariu, S. Condurache-Bota, G.Constantinescu, *Studies on the water quality of the Siret river, near Galati city, 18<sup>th</sup> International Multidisciplinary Scientific Geoconference SGEM 2018,2-8 iulie, Albena,Bulgaria*, **18**(3.1),687-695, (2018).ISBN 978-619-7408-42-3,ISSN:1314-2704; Doi: 10.5593/sgem2018/3.1/S12.089
- [12] Simona Condurache-Bota, **Romana Drasovean**, Gabriel Murariu, Mirela Voiculescu, Gica Condurache-Bota, Greenhouse gases worldwide: relative changes, comparisons, variation causes, ISI Proceedings of the 18 th International Multidisciplinary Scientific GeoConference SGEM 2018. **18**(4.2),459-467, (2018). ISBN: 978-619-7408-45-4, ISSN 1314-2704, DOI: 10.5593/sgem2018/4.2
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- [7] **Romana Draşovean**, Nicolae Țigău, ”*Studies on physical properties of cobalt oxide films*”, THE ANNALS OF THE “DUNAREA DE JOS” UNIVERSITY OF GALATI, FASCICLE II - MATHEMATICS, PHYSICS, CHEMISTRY, INFORMATICS (CD-ROM) YEAR III (XXXII) 2009,154-160, ISSN 2067-2071.
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- [10] **Romana Draşovean** , Simona Condurache Bota and Nicolae Țigău, *Structural and electrical characterization of cobalt oxide semiconductors*, Journal of Science and Arts Year 10, No. 2 (13), pp. 379-384, 2010, Categoria B+, ISSN 1844-9581.
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- [12] **Romana Draşovean**, Nicolae Țigău, *Growth of cobalt oxide layers*, ANNALS OF “DUNAREA DE JOS” UNIVERSITY OF GALATI MATHEMATICS, PHYSICS, THEORETICAL MECHANICS FASCICLE II, YEAR II (XXXIII) 2010, 292-297, Categoria B, ISSN 2067-2071.
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of Galati, Mathematics, Physics, Theoretical Mechanics, Fascicle II, Year VII (XXXVIII) No.2, 201-206, 2015.

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22. Drasovean Romana Maria, Condurache-Bota Simona, Study of the evolution of heavy metals emissions in the southeastern part of Romania, Annals of „Dunarea de Jos” University of Galati, Mathematics, Physics, Theoretical Mechanics, Fascicle II, Year XIV (XLV) 2022, No. 2, 71-79, DOI: <https://doi.org/10.35219/ann-ugal-math-phys-mec.2022.2.06>

23. Simona Condurache-Bota, Romana Maria Drasovean, Georgiana Popa, Short-term atmospheric pollution monitoring in a selection of European capitals, Annals of „Dunarea de Jos” University of Galati, Mathematics, Physics, Theoretical Mechanics, Fascicle II, Year XIV (XLV) 2022, No. 2, 63-70, <https://doi.org/10.35219/ann-ugal-math-phys-mec.2022.2.05>

24. **Romana Maria Drasovean**, Simona Condurache-Bota, Nicolae Tigau, Gabriel Murariu, The ambient noise level in the city of Galati and surroundings, Annals of „Dunarea de Jos” University of Galati, Mathematics, Physics, Theoretical Mechanics, Fascicle II, Year XV (XLVI) 2023, No. 2, 51-64. DOI: <https://doi.org/10.35219/ann-ugal-math-phys-mec.2023>

25. Simona Condurache-Bota, **Romana Maria Draşovean**, Nicolae Tigau, Analysis of the particulate matter long term emissions in Romania by sectors of activities, Annals of „Dunarea de Jos” University of Galati, Mathematics, Physics, Theoretical Mechanics, Fascicle II, Year XV (XLVI) 2023, No. 2. DOI: <https://doi.org/10.35219/ann-ugal-math-phys-mec.2023>

26. Nicolae Tigau, **Romana Draşovean**, Simona Condurache-Bota, Studies on physical properties of tin oxide films, Annals of „Dunarea de Jos” University of Galati, Mathematics, Physics, Theoretical Mechanics, Fascicle II, Year XV (XLVI) 2023, No. 2. DOI: <https://doi.org/10.35219/ann-ugal-math-phys-mec.2023>

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### [D] ARTICOLE PUBLICATE ÎN VOLUMELE UNOR MANIFESTĂRI ŞTIINŢIFICE INTERNAŢIONALE RECUNOSCUTE DIN ȚARĂ ŞI STRĂINĂTATE (cu ISSN sau ISBN)

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## [E] ALTE LUCRĂRI ȘI CONTRIBUȚII ȘTIINȚIFICE

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- [6] Licuta Nistor, Antoaneta Ene, **Romana Drasovean**, *Physico-mechanical properties of metallurgical plant slags*, National Conference of Applied Physics, June 2006, Galați, Romania, ISBN 973-627-311-3.
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- [31] **Romana Draşovean**, Simona Condurache Bota and Nicolae Țigău, *Structural and electrical characterization of cobalt oxide semiconductors*, A doua Conferință Națională de: “Științe Aplicate în Studiul Mediului Înconjurător și Materialelor” cu participare internațională, 28-30 aprilie 2010, Târgoviște.
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70. **Drasovean Romana**, Murariu Gabriel, Applied Statistical Methods In Environmental Science, Modern approaches of the environment-climate change interconnectivity, 2-nd edition, September 20-23, 2023, Galați.
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74. R. Cretu, S. Condurache-Bota, **R. M. Drasovean** and G. Murariu, Research on the effectiveness of ascorbic acid incorporation into water-in-oil emulsions with parsley (*Petroselinum Crispum*) extract, Romphyschem-17, 25-27 Septembrie, București, 2023.
75. S. Condurache-Bota, **R. M. Drasovean**, G. Murariu and R. Cretu, Sweets essence under analysis: UV-VIS-NIR spectra and other physical properties of cake flavor extracts, Romphyschem-17, 25-27 Septembrie, București, 2023.

#### **E. Brevete** (pentru întreaga activitate)

Brevet depus:Procedeul de eliminare activă a perturbațiilor și dispozitiv de zbor fără pilot tip VTOL cu geometrie și configurație variabilă pentru optimizarea continuă a performanțelor și stabilității în timpul zborului,2020

#### **F. Proiecte de cercetare-dezvoltare-inovare pe baza de contract/grant**

##### **[F2] Membru în echipa de cercetare**

[1] 2006-2008 Grant excelența CEEX, nr.89/2006, Cod MEC 1930, „Prepararea și caracterizarea unor straturi subțiri semiconductoare nanostructurate utilizate la confecționarea modulelor fotovoltaice”.

[2] 2007-2008 Grant CNCSIS,tip A,cod CNCSIS 679/2007, "Cercetări hidrodinamice și de rezistență structurală la navele destinate transportului intermodal”.

[3] 2007-2010 Program Impact tip A Nr. 347/2007, „Dezvoltare laborator pentru tratare ape și soluri poluate, din cadrul centrului calitate materialelor și a mediului”.

[4] 2007-2010 PNII Parteneriate-1646 Nr. 81041, contract „Archaeopolice”, „Sisteme expert pentru identificarea inteligentă a falsurilor din ceramica de patrimoniu.

JINR-Romania bilateral project; JINR theme Nr: 03-4-1036-2001/2010, Nuclear and related analytical techniques for Environmental and Life Sciences

[5]RESEARCH PROJECT JINR-Romania no. 60/2013, Nitrides characteristics in B-N and Li-N systems studied by nuclear and related analytical and imaging techniques, JINR Theme no. 03-4-1104-2011/2013, Investigations in the Field of Nuclear Physics with Neutrons, Protocol No. 4113-4-11/13.

Director from Romania: Ene Antoaneta

Finantare 3000 USD in contabilitatea JINR, Dubna, Rusia

[6]RESEARCH PROJECT 2013 JINR-Romania no. 72, Nuclear and related analytical techniques for the environmental and life sciences, Order IUCN 82/18.02.2013 & Order IUCN 81/18.02.2013, JINR Theme no. 03-4-1104-2011/2013, Investigations in the Field of Nuclear Physics with Neutrons, Protocol No. 4080-4-2011-2013, Leaders from Romania: Popescu Ion (Project Director, Valahia University of Targoviste), Stihii Claudia (Co-director, Valahia University of Targoviste), Cristiana Radulescu (Co-director, Valahia University of Targoviste), Ene Antoaneta (Co-director, UDJ Galati), Cucu-Man Simona (Co-director, UAIC Iasi). (4000+2000 USD)

Finantare 4000 USD in contabilitatea JINR, Dubna, Rusia si 2000 USD in contabilitatea UVT (Valahia University of Targoviste).

[7] 2013-2016 Proiect MIS ETC 1676 „Cross-border interdisciplinary cooperation for the prevention of natural disasters and mitigation of environmental pollution in Lower Danube Euroregion / Cooperare interdisciplinară transfrontalieră pentru prevenirea dezastrelor naturale și reducerea poluării mediului în Euroregiunea Dunărea de Jos”, din cadrul Programului Operațional Comun Romania-Ucraina-Republica Moldova 2007-2013.

[8] Cercetări în sprijinul modernizării sistemului național de monitorizare a ecosistemelor silvice prin utilizarea tehnicilor de teledetecție și a sistemelor de tip UAV, Codul proiectului: 6PS – MCI -2017 .

[9] POCU/90/6.13/6.14/107814, „Program eficient de pregătire practică a studenților în domeniul protecției și monitorizării mediului – ProMediu”2018-2020.

[10] Grant intern de cercetare în domeniul Ingineria Mediului privind studierea distribuției factorilor poluanți în zona de Sud-Est a Europei, contract de finanțare nr.14886/11.05.2022, 16.05.2022-15.12.2022.

[11]Proiect POC „Creșterea accesului studenților universității la educație online”, UNITEC POC/882/2/4/145705.

[12]Proiect Acces și integrare –Pași spre reușită UniverSitară, 2023,cod CNFIS-FDI-2023-F-0216