

conf. univ. dr. fiz. jur. CONDURACHE-BOTA SIMONA  
ANEXE LA CURRICULUM VITAE

**ANEXA 1**

**Lista publicațiilor științifice și didactice**

**A. CĂRȚI**

1. **Condurache-Bota S.**, Gheorghies C.: „Probleme de Fizică pentru Invățământul superior”, Editura „Ars Docendi”, București, 2003, ISBN: 973-558-094-2, 221 pagini.
2. Nat A., Ene A., Tudose C., Velican N., Gheorghies C., Sahlean V., Vieriu P., Tigău N., Murariu G., Toma E., Enache L., **Condurache-Bota S.**: „Fizică – teste grilă – Bacalaureat și Admitere în Invățământul Superior”, Editura Fundației Universitare „Dunărea de Jos”, Galați, 2003, ISBN: 973-627-024-6, 261 pagini.
3. **Condurache-Bota S.**, Gheorghies C.: „Probleme de Fizică pentru Invățământul Superior – Ediție revizuită și adăugită”, Editura „Ars Docendi”, București, 2003, ISBN: 973-558-128-0, 251 pagini.
4. **Condurache-Bota S.**, *Lucrări de laborator de Fizică și Biofizică pentru studenții facultăților de: Medicină, Farmacie, Medicină dentară și Asistenți medicali*, Editura Cermi, Iași, 2010, ISBN: 978-973-667-392-4, 208 pagini.
5. **Condurache-Bota S.**, *Lucrări de laborator de Fizică și Biofizică pentru studenții facultăților cu specific medical. Ediție revizuită*, Editura Cermi, Iași, 2011, ISBN: 978-973-667-405-1, 151 pagini.
6. Ene A., Tigău N., Murariu G., **Condurache-Bota S.**, *Teste grilă de fizică pentru admitere în Invățământul superior, disciplina: Fizică*, Galați University Press - GUP, 2012, 32 pagini, ISBN 978-606-8348-49-0.
7. Voiculescu M., **Condurache-Bota S.**, *Teste și întrebări de Fizica Atmosferei și Meteorologie*, Galați University Press - GUP (Editura Universității „Dunărea de Jos” din Galați), 2014, 69 pagini, ISBN 978-606-696-000-7.
8. **Condurache-Bota S.**, *Chapter 1. UV-VIS spectroscopic methods for environmental analysis*, from A. Ene (editor), *Instrumental Techniques for Environmental Investigations – Methodological Guide*, Editura Tehnopress, Iași, dec. 2015, 27 pag. din 220 pag., ISBN 978-606-687-233-1  
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9. **Condurache-Bota S.**, *Capitolul 1. Metode spectrale în UV-VIZ pentru analize de mediu*, pag. 115-142, din: A. Ene (editor), *Tehnici Instrumentale pentru Investigații de Mediu – Ghid Metodologic*, Editura Tehnopress, Iași, dec. 2015, 27 pag. din 220 pag., ISBN 978-606-687-233-1.
10. **Condurache-Bota S.**, *Bismuth oxide thin films for optoelectronic and humidity sensing applications* – Chapter 6 within the book *Bismuth - Advanced Applications and Defects Characterization*, academic editor: Ying Zhou, InTech Open Publishing House, Croatia, ISBN 978-1-78923-263-9, 2018; DOI: 10.5772/intechopen.71174  
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11. Moraru L., **Condurache-Bota S.**, Conferință științifică cu participarea elevilor: „Fizica medicală: simbioză între Fizică, Medicină și Mediu” – rezumatele conferinței; editura GUP – Galați University Press, 52 pag.; ISBN 978-606-696-149-3, 2019.  
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12. Voiculescu M., **Condurache-Bota S.**, Sfiță Lucian, Cazacu Marius Mihai, *Teste și întrebări de Fizica atmosferei, Meteorologie și Climatologie*, Editura Ars Longa, Iași, 2020.
13. Jafari Eskandari M., Gostariani R., Asadi Asadabad M., *Transmission Electron Microscopy of Nanomaterials*, in: D. Singh, Condurache-Bota S. (Eds.), *Electron Crystallography*, IntechOpen, 2020; DOI: 10.5772/intechopen.92212

**B. ARTICOLE ȘTIINȚIFICE**

**B.1 Articole publicate în reviste cotate ISI**

1. Tigău N., Gheorghies C., Rusu G. I., **Condurache-Bota S.**, The influence of post-deposition treatment on some physical properties of Sb2S3 thin films, *J. Non-Cryst. Solids*, 351 (12-13), 987-992, 2005. FI: 3.2  
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  7. Drasovean R., **Condurache-Bota S.**, Influence of the conditions of the thermal treatment on the electrical properties of cobalt oxide layers, *Rev. Roum. Chim.*, 54(10), 827–831, 2009. FI: 0.4  
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27. **Condurache-Bota S.**, Condurache-Bota G., I. Florea, *The evolution of the surface ultraviolet flux over Romania*, Annals of "Dunărea de Jos" University of Galați, Mathematics, Physics, Theoretical Mechanics, Fascicle II, year IX (XL), No. 2, 182-186, 2017.
28. **Condurache-Bota S.**, Condurache-Bota G., C. B. Murat, *Monitoring air pollution in the most important Romanian cities*, Annals of "Dunărea de Jos" University of Galați, Mathematics, Physics, Theoretical Mechanics, Fascicle II, year IX (XL), No. 2, 175-181, 2017.
29. Gheorghieș Constantin, **Condurache-Bota S.**, Geta Carac, Paula Cojocaru, Lucian Puiu Georgescu, Catalina Iticescu, Anotoaneta Ene, *Reduction of irradiation level for personnel working in a steel furnace using NMG method*, International Journal of Science, Technology and Society, vol. 5, nr. 4, pag. 87, 2017.
30. **Condurache-Bota S.**, L. Moraru, *Analiză de benchmarking pentru inițierea programului de studii de licență de Fizică medicală la Universitatea „Dunărea de Jos” din Galați*, Quality Assurance Review for Higher Education, 8 (1), 46-70, 2018.  
<http://www.aracis.ro/en/publicatii/qar-magazine/numarul-curent/>
31. **Condurache-Bota S.**, Voiculescu M., Danila E., Echim M., *Observations of jets in the magnetosheath: first results based on CLUSTER data analysis*, Annals of "Dunărea de Jos" University of Galați, Fascicle II, year X(XLI), no. 2, 179-188, 2018.
32. Tigau, N., **Condurache-Bota S.** and Dănilă, E., *Influence of substrate temperature on the structural and optical properties of ZnSe thin films*, Analele Universității "Dunărea de Jos" din Galați. Fascicula II, Matematică, fizică, mecanică teoretică / Annals of the "Dunărea de Jos" University of Galați. Fascicle II, Mathematics, Physics, Theoretical Mechanics, 42(2), pp. 167-171, 2019. doi: <https://doi.org/10.35219/ann-ugal-math-phys-mec.2019.2.07>.  
<http://www.gup.ugal.ro/ugaljournals/index.php/math/article/view/2401>
33. Condurache-Bota S., Drasovean R. M., Popa G., *Short-term atmospheric pollution monitoring in a selection of European capitals*, Annals of "Dunărea de Jos" University of Galați, Mathematics, Physics, Theoretical Mechanics, Fascicle II, year XIV (XLV), no. 2, 63-70, 2022; <https://doi.org/10.35219/ann-ugal-math-phys-mec.2022.2.05>  
<https://www.gup.ugal.ro/ugaljournals/index.php/math/article/view/5862>
34. Drasovean R. M., Condurache-Bota S., *Study of the evolution of heavy metals emissions in the southeastern part of Romania*, Annals of "Dunărea de Jos" University of Galați, Mathematics, Physics, Theoretical Mechanics, Fascicle II, year XIV (XLV), no. 2, 71-79, 2022; <https://doi.org/10.35219/ann-ugal-math-phys-mec.2022.2.05>  
<https://www.gup.ugal.ro/ugaljournals/index.php/math/article/view/5863>
35. Condurache-Bota S., *Pros and cons of online learning – students' opinions after 3 months from returning to face-to-face learning*, Quality Assurance Review for Higher Education, 12 (1-2), 33-54, 2022.  
<https://www.aracis.ro/numarul-curent-revista-qar/>
36. Condurache-Bota S., Drasovean R. M., Tigau N., *Analysis of the particulate matter long term emissions in Romania by sectors of activities*, Annals of "Dunărea de Jos" University of Galați, Mathematics, Physics, Theoretical Mechanics, Fascicle II, year XV (XLVI), no. 2, 90-100, 2023; DOI: <https://doi.org/10.35219/ann-ugal-math-phys-mec.2023.2.06>
37. Drasovean R. M., Condurache-Bota S., Tigau N., Murariu G., *The ambient noise level in the city of Galați and surroundings*, Annals of "Dunărea de Jos" University of Galați, Mathematics, Physics, Theoretical Mechanics, Fascicle II, year XV (XLVI), no. 2, 101-114, 2023; DOI: <https://doi.org/10.35219/ann-ugal-math-phys-mec.2023.2.06>
38. Tigau N., Drasovean R. M., Condurache-Bota S., *Studies on physical properties of tin oxide films*, Annals of "Dunărea de Jos" University of Galați, Mathematics, Physics, Theoretical Mechanics, Fascicle II, year XV (XLVI), no. 2, 86-89, 2023; DOI: <https://doi.org/10.35219/ann-ugal-math-phys-mec.2023.2.06>

#### B. 4 Articole publicate in alte reviste internaționale

1. Drasovean R., **Condurache-Bota S.**, *Correlation Studies Between Sol Aging Time and Substrate Dipping Time Parameter and Optical Properties of Cobalt Oxide Layers*, ISJBAR, vol. 25, no.1, 17-25 (2016),  
<http://gssrr.org/index.php?journal=JournalOfBasicAndApplied&page=article&op=view&path%5B%5D=5051>, ISSN 2307-453
2. Drasovean R., **Condurache-Bota S.**, Tigau N, Purghele Nistor C., *Wastewater assessment in Galatz city (Romania) during 2015-2016*, EQA – Environmental quality / Qualit  de l'Environnement / Qualit  ambientale, 27, 47-54, (2018).  
<https://eqa.unibo.it/article/view/7323>

**B.5 Articole publicate în buletine ale simpoziunelor și conferințelor internaționale**

1. Tigau N., Rusu G.I., Gheorghies C., **Condurache-Bota S.**: *The influence of the postdeposition treatment on the electrical and optical properties of Sb<sub>2</sub>O<sub>3</sub> thin films*, Proceedings of CONCIM 2003, 8-12 Aprilie, **2003**, Bonn, Germania – poster
2. Gheorghies C., L. Gheorghies, **Condurache-Bota S.**: *Experimental conditions in preparation of chromia coatings*, Proceedings of The Coatings, 5-7 Aprilie, **2004**, Erlangen, Germania – poster
3. Gheorghies C., M. Modiga, **Condurache-Bota S.**, *The influence of the structure on the damage process through corrosion of some heat exchangers*, Proceedings of the 29<sup>th</sup> Annual ARA Congress, University of Applied Sciences from Bochum, 7-12 Septembrie, **2004**, Bochum, Germania – poster
4. Gheorghies C., **Condurache-Bota S.**, L. Gheorghies, *Decreasing the irradiation level during coke moisture measurements inside a furnace at iron-steel plants*, Proceedings of IRPA Regional Congress for Central and Eastern Europe, 24–28 Septembrie, **2007**, Brasov, România – poster
5. Gosav S., **S. Bota-Condurache**, I. Dumitrascu, L. Dumitrascu, D.O. Dorohoi, *Point Groups in Molecular Symmetry*, XVIII International School-Seminar "Spectroscopy of Molecules and Crystals", Septembrie, **2007**, Beregove, Crimea, Ucraina – prezentare orală
6. Drasovean R., **Condurache-Bota S.**, *Structural characterization and optical properties of Co<sub>3</sub>O<sub>4</sub> and CoO films*, 4<sup>th</sup> International Conference on Amorphous and Nanostructured Chalcogenides – Fundamentals and Applications, ANC-4, 29 iunie-3 iulie 2009, Constanța, România, prezentare poster
7. **Condurache-Bota S.**, Rusu G. I., Tigau N., V. Nica, Drasovean R., *Structural and optical analysis of superimposed bismuth and antimony oxides*, 4<sup>th</sup> International Conference on Amorphous and Nanostructured Chalcogenides – Fundamentals and Applications, ANC-4, 29 iunie-3 iulie 2009, Constanța, România, prezentare poster

**B.6 Articole publicate în buletine ale simpoziunelor cu participare internațională**

1. **Condurache-Bota S.**, Rusu G. I., Tigau N., Gheorghies C., *Incipient structural and optical analysis of thermally oxidized bismuth thin films*, Proc. of The 8th International Conference on Physics of Advanced Materials, ICPAM-8, 4-7 Iunie, **2008**, Iași, România
2. Drasovean R., **Condurache-Bota S.**, *Influence of the thermal treatment on the electrical properties of cobalt oxide layers*, Proc. of The International Conference of Physical Chemistry ROMPHYSICHEM 13, 3-5 Septembrie, **2008**, București, România
3. **Condurache-Bota S.**, Rusu G. I., Tigau N., Drasovean R., Gheorghies C., *Structural and optical characterization of thermally oxidized bismuth thin films*, Proc. of The International Conference of Physical Chemistry ROMPHYSICHEM 13, 3-5 Septembrie, **2008**, București, România
4. Mihailescu D., Gheorghies C., A. Mihailescu, **Condurache-Bota S.**, P. Alexandru, *The influence of the pressure on the thermally-influenced areas during the dry hyperbaric welding*, Proc. of The 8th International Conference of Technology and Quality for Sustained Development TQSD'08, 30-31 octombrie **2008**, București, România
5. Gheorghies C., **Condurache-Bota S.**, V. Paunoiu, L. Gheorghies, *Structural changes of the stainless steel caused by a pitting-type of corrosion*, Proc. of The 8th International Conference of Technology and Quality for Sustained Development TQSD'08, 30-31 octombrie, **2008**, București, România
6. **Condurache-Bota S.**, Tigau N., Drasovean R., *Combined UV and thermal treatment influence on the structural and on the optical properties of some bismuth thin films*, 11<sup>th</sup> International Balkan Workshop on Applied Physics, IBWAP 2010 Constanța, România
7. Murariu G., **Condurache-Bota S.**, L. Moraru, Tigau N., *Comparative characterization of optical properties for Bi<sub>2</sub>O<sub>3</sub>*, 11<sup>th</sup> International Balkan Workshop on Applied Physics, IBWAP 2010 Constanța, ROMÂNIA
8. Drasovean R., S. Gosav, **Condurache-Bota S.**, N. Tigău, *Influence of annealing on the crystallinity and optical properties of cobalt oxide nanocomposite films*, 11<sup>th</sup> International Balkan Workshop on Applied Physics, IBWAP 2010 Constanța, România
9. Tigau N., **Condurache-Bota S.**, Drasovean R., *Antimony trioxide thin films deposited by vacuum evaporation method*, 11<sup>th</sup> International Balkan Workshop on Applied Physics, IBWAP 2010 Constanța, România
10. **Condurache-Bota S.**, Drasovean R., Tigau N., A. P. Râmbu, *The influence of substrate temperature on the structure and on the optical reflection spectrum of bismuth thin films*, 14<sup>th</sup> International Conference of Physical Chemistry - ROMPHYSICHEM 14, București, România, 2010
11. Drasovean R., **Condurache-Bota S.**, *Optical characterization of cobalt oxide doped silica nanocomposite films*, 14<sup>th</sup> International Conference of Physical Chemistry - ROMPHYSICHEM 14, București, România, 2010
12. **Condurache-Bota S.**, Murariu G., Tigau N., *A comparative approach for optical characterization for Bi<sub>2</sub>O<sub>3</sub> thin films*, 14<sup>th</sup> International Conference of Physical Chemistry - ROMPHYSICHEM 14, București, România, 2010

**B. 7 Articole publicate în buletine ale simpoziunelor naționale**

1. Gheorghies C., **Condurache-Bota S.**, L. Gheorghies, *Study of the sensivity of an eddy currents transducer*, The Annals of "Dunărea de Jos" University of Galați, Fasc. II, anul XXI, 2003, p. 141-145
2. Gheorghies C., V. Păunoiu, D. Nicoară, **Condurache-Bota S.**, *Stress states in some heat exchanger plates*, The Annual Symposium of the Institute of Solid Mechanics SISOM, Bucuresti , 20-21 Mai **2004**



3. Dulcescu M., Dorohoi D. O., **Condurache-Bota S.**, *Reflection and refraction phenomena at quartz interfaces*, Analele Universității "Dunărea de Jos" din Galați, Matematică, Fizică, Mecanică Teoretică, Fascicula II, anul XXIII (XXVIII), 167-174, **2005**, lucrare prezentată la National Conference of Applied Physics, Universitatea „Dunărea de Jos”, Galați, 3-4 iunie **2005**.
4. Dorohoi D. O., **Condurache-Bota S.**, *Starea de polarizare a radiațiilor optice în procesele de reflexie și refracție*, Secțiunea Metodică, Simpozionul interjudețean "Ștefan Procopiu", ediția a XV-a, Piatra Neamt, 21 ianuarie **2006**
5. **Condurache-Bota S.**, Gheorghies C., Dorohoi D. O.: *Measurements of glass dispersion properties using a Michelson interferometer*, The 3rd National Conference on Applied Physics, Universitatea „Dunărea de Jos”, Galați, 15-16 iunie **2007**
6. Gheorghies C., A.M. Cantaragiu, L. Gheorghies, I.V. Stasi, C. Oancea, **S.Condurache-Bota**, *Analysis of Silica Trace by XRD Method*, The Annals of "Dunărea de Jos" University of Galați, Fascicle II, Mathematics, Physics, Chemistry, Informatics, New Series, Year I (XXX) **2007**, ISSN 1842-6506, pp. 54-57, oral presentation
7. Gheorghies C., A. M. Cantaragiu, L. Gheorghies, I. V. Stasi, **Condurache-Bota S.**, *Evaluation of residual austenite by XRD technique*, The 3rd National Conference on Applied Physics, Universitatea „Dunărea de Jos”, Galați, 15-16 iunie **2007**
8. Gheorghies C., A. M. Cantaragiu, L. Gheorghies, I. V. Stasi, I. Costache, **Condurache-Bota S.**, *Analysis of textures by using partial pole figures*, The 3rd National Conference on Applied Physics, Universitatea „Dunărea de Jos”, Galați, 15-16 iunie **2007**
9. Gheorghies C., Dorohoi D. O., A. M. Cantaragiu, L. Gheorghies, I. V. Stasi, **Condurache-Bota S.**, *The identification of crystalline phases by X-ray diffraction*, The 3rd National Conference on Applied Physics, Universitatea „Dunărea de Jos”, Galați, 15-16 iunie **2007**
10. Condurache-Bota G., Isaia V., Praisler M., **Condurache-Bota S.**, *Institutional evaluation. Optimizing the activity of the Quality Assurance Commission*, The 3rd National Conference on Applied Physics, Universitatea „Dunărea de Jos”, Galați, 15-16 iunie **2007**
11. Gheorghies C., L. Gheorghies, **Condurache-Bota S.**, N. Cananau, *Nondestructive methods used in analysis of surface and superficial layer of metallic materials*, The advanced technologies and materials UGALMAT, Universitatea „Dunărea de Jos”, Galați, 19-20 octombrie **2007**
12. **Condurache-Bota S.**, RUSU G. I., Tigau N., *Optical properties of bismuth-bismuth oxide sandwich structures obtained by thermal oxidation of bismuth thin films*, Proceedings of The 4th National Conference on Applied Physics, Facultatea de Științe, Universitatea "Dunărea de Jos", Galați, 25 septembrie **2008**
13. **Condurache-Bota S.**, RUSU G. I., Tigau N., Gheorghies C., *Structural characterization of thermally-oxidized bismuth thin films*, Proceedings of The 4th National Conference on Applied Physics, Facultatea de Științe, Universitatea "Dunărea de Jos", Galați, 25 septembrie **2008**
14. **Condurache-Bota S.**, Tigau N., Gheorghies C. and D. C. Vladu Radu, *Structural and optical changes of bismuth thin films subjected to UV irradiation*, Conferința științifică a Școlilor Doctorale, Universitatea "Dunărea de Jos" din Galați, Ediția I, 16-17 mai **2013**

## **ANEXA 2**

### **Lista proiectelor de cercetare și educaționale**

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

##### **Granturi individuale**

##### **- 3 granturi personale internaționale:**

1. **1.02.1998 – 1.09.1998 (6 luni)** - bursă de cercetare la Masterat, 6 luni, acordată de **European Physical Society**, Mulhouse, Franța, stagiul desfășurat în cadrul laboratorului de *Ultrafast Lasers and Spectroscopy* de la Universitatea RijksUniversiteit din Groningen, Olanda; îndrumător: cercet. dr. ing. Wim P. De Boeij
2. **7.01.2013–8.02.2013 (1 lună)**- Bursă de studiu la **ERCA 2013** – European Research School for Atmospheres, Universite Joseph Fourier, Grenoble și OHP (Observatoire de Haute Provence), Franța; bursa acordată de Programul ICTP (the Abdus Salam International Centre for Theoretical Physics), Italia
3. **22.06.2014-29.06.2014 (1 săptăm.)**: Bursă de studiu la ACCENT Plus (Atmospheric Composition Change - The European Network) Summer School 2014, Urbino, Italia, bursă acordată de Universitatea din Urbino, Italia.

- 1 **grant personal național: 11.04.2014-10.12.2015 (semnat:18.04 2014 – 31.12. 2015 (19 luni = 1 an și 7 luni)** - responsabil proiect individual de cercetare post-doctorală câștigat prin competiție, **Depunerea de straturi subțiri de oxid de bismut prin ablație cu pulsuri laser (PLD) și analizarea unor proprietăți fizice cu aplicații industriale ale acestora**, finanțat prin Programul Operațional Sectorial Dezvoltarea Resurselor Umane în cadrul proiectului „ExcelDOC - Excelență în cercetare prin burse doctorale și postdoctorale Contract POSDRU/159/1.5/S/132397; coordonator: Universitatea Politehnică din București, partener: Universitatea "Dunărea de Jos, din Galați, coordonator partener: prof. univ. dr. ing. Maria Vlad. <http://cempdi.pub.ro/exceldoc/>

##### **Membri în echipa de cercetare**

##### **- 2 proiecte internaționale:**

1. **2010 (12 luni)**: JINR-Romania bilateral project; JINR theme Nr: 03-4-1036-2001/2010, Nuclear and related analytical techniques for Environmental and Life Sciences, Leaders Romania : Popescu Ion, Ene Antoaneta, Cucu-Man Simona, Todoran Radu; [http://www.nipne.ro/international/cooperations/jinr\\_sc.php](http://www.nipne.ro/international/cooperations/jinr_sc.php)  
[http://www.nipne.ro/international/cooperations/docs/Projects\\_list\\_nov2009.doc](http://www.nipne.ro/international/cooperations/docs/Projects_list_nov2009.doc)
2. **19.12.2013 – 18.12.2015 (22 luni = 1 an și 10 luni)** - membru în proiectul **MIS ETC 1676** "Cross-border interdisciplinary cooperation for the prevention of natural disasters and mitigation of environmental pollution in Lower Danube Euroregion", Joint

Operational Programme Romania-Ukraine-Republic of Moldova Lead Partner - "Dunarea de Jos" University of Galati, Romania, director de proiect: prof. univ. dr. habil. Antoaneta Ene. <http://www.inpolde.ugal.ro/>

#### - 4 proiecte naționale:

1. **15.09.2006 – 30.09.2008 (23 luni = 1 an și 11 luni):** membru al echipei din **Grantul de excelență CEE nr. 89/2006, Cod MEC 1930:** „Prepararea și caracterizarea unor straturi subțiri semiconductoare nanostructurate utilizate la confecționarea modulelor fotovoltaice”, al Universității „Dunarea de Jos” din Galați, în parteneriat cu Universitatea “Al. I. Cuza” Iași; valoare totală: 200.000 RON; Director: Prof. Univ. Dr. Rusu G. I., Responsabil pentru Galați : Conf. Dr. Tigau Nicolae;
2. **16.07.2007 – 31.12.2008 (17 luni și 15 zile = 1 an, 5 luni și 15 zile):** membru al echipei în **proiectul de cercetare CNCIS nr. 680/2007:** *Realization of a technology for the preparation of nanostructured coatings type thermal and corrosion-proof barrier*; beneficiar: Universitatea „Dunarea de Jos” din Galați, Manager de proiect: Prof. univ. dr. Gheorghies C.; valoare 88.364,45 RON.
3. **2012-2016 (durata efectivă: 47 luni = 3 ani și 11 luni):** membru în proiectul **PN-II-ID-PCE-2011-3-0709**, nr. 283/2011, cu titlul: “*SOLar Activity and Clouds: causal or casual Effect?*”, director de proiect: conf. dr. Mirela Voiculescu. <http://www.solace.ugal.ro>
4. **01.07.2018 – 1.10.2021:** membru al echipei proiectului PN-III-P1-1.2-PCCDI-2017-0371: **Valorificarea Extensivă a experienței în activități de Spațiu și Securitate - (Valorizing the extensive experience in space and security) (V ESS)**, 18PCCDI/2018, coordonator: Institutul de Științe Spațiale - ISS București: Vlad Popa, responsabil pentru Universitatea “Dunarea de Jos” din Galați: prof. dr. Mirela Voiculescu; <http://www.space-science.ro/projects/vess/VESS-Ro-Public.htm>

#### Proiecte educaționale sau alte proiecte

##### Membru în echipa de implementare

- **1.08.2013 – 15.12.2013 (4 luni și 15 zile):** expert evaluare impact proiect în cadrul proiectului: “Pregătirea practică – primul pas spre un loc de muncă”, contract POSDRU/109/2.1/G/81807; angajator: *Liceul Tehnologic Transporturi Căi Ferate*, Galați, manager proiect: prof. învăț. preuniv. D. Turcescu.
- **23.03.2015-27.11.2015 (8 luni):** expert tehnic implementare activității/proiect, expert de tip A în cadrul proiectului: “*HAI să învățăm! Cu toții LA ȘCOALĂ!*”, contract POSDRU/181/2.2./SI/154586; angajator: *Liceul Tehnologic Transporturi Căi Ferate*, Galați, manager proiect: prof. învăț. preuniv. D. Turcescu;
- **2018 – 2019:** 2 funcții în cadrul proiectului POCU: “ȘANSA de a merge la ȘCOALĂ împreună!”, contract POCU/74/6/18/107019; angajator: *Liceul Tehnologic Transporturi Căi Ferate*, Galați, manager proiect: prof. învăț. preuniv. D. Turcescu, total buget proiect: 8,970,246.94 RON:
  - **responsabil educație;** atribuții: furnizarea de servicii de consiliere individuală și de grup pentru părinți/tutori în vederea rezolvării principalelor probleme care apar în problematica abandonului școlar, pentru a se înțelege importanța familiei în educație și rolul acesteia în prevenirea riscului de părăsire timpurie a școlii; atribuții/activități: întruniri cu părinții ; discuții individuale cu părinții, consultații individuale, vizite la domiciliul copiilor; întruniri cu părinții și/sau reprezentanți ai comunității; mesaje telefonice; comunicare scrisă : afișe, anunțuri, programe, articole – privind creșterea și dezvoltarea copiilor, sănătatea acestora, jocul educativ, limbajul copiilor și stimularea încrederii în propriile acțiuni.
- **11.09.2018 – 02.07.2020:** expert dezvoltare competențe în cadrul proiectului: „Program eficient de pregătire practică a studenților în domeniul protecției și monitorizării mediului”, contract POCU/90/6.13/6.14/107814/PROMEDIU, angajator: Universitatea “Dunarea de Jos” din Galați, manager proiect: conf. dr. Bianca Furdui
- **15.07.2019 – 09.01.2021:** expert grup țintă în cadrul proiectului POCU nr. 380/6/13/124539: „Burse pentru educația antreprenorială în rândul doctoranzilor și cercetătorilor postdoctorat (Be Antreprenor!)”; coordonator proiect: Universitatea Politehnică din București, manager proiect: prof. dr. Valentin Navrapescu; manager proiect din partea UDJG: prof. dr. Luminița Moraru

#### ANEXA 3

##### Participări la Conferințe științifice, Congrese, Simpozioane, Workshopuri naționale și internaționale

**1. Conference on Non-Crystalline Inorganic Materials CONCIM 2003**, 8-12 Aprilie, **2003**, Bonn, Germania; Organized by the Collaborative Research Center **SFB 408**

"Inorganic Solids without Translational Symmetry", International Advisory Board: Jeff Brinker, Albuquerque, USA; Richard Catlow, London, GB; Bernard Champagnon, Villeurbanne, France; Martin Jansen, Stuttgart, Germany; Rainer Kranold, Rostock, Germany; Yoshio Waseda, Sendai, Japonia

cu lucrarea prezentată poster, nr. B 17:

1.1 'The influence of post-deposition treatment on some physical properties of Sb<sub>2</sub>S<sub>3</sub> thin films', autori: Tigau N., Gheorghies C., D. Toma, Rusu G. I., **Condurache-Bota S.**

<http://www.concim2003.uni-bonn.de/>

**2. 4th International Conference "THE COATINGS"**, Erlangen, Germany, April 05-07, 2004,

cu lucrarea:

2.1 'Experimental conditions in preparation of chromia coatings', autori: Gheorghies C., L. Gheorghies, **Condurache-Bota S.**: - prezentare orală

3. **The 29th Annual ARA** - American Romanian Academy of Arts and Sciences **Congress**, September 7-12 2004, Bochum, Germany, organizat de The American Romanian Academy of Arts and Sciences, *cu lucrarea:*
- 3.1 'The influence of the structure on the damage process through corrosion of some heat exchangers', autori: Gheorghies C., M. Modiga, **Condurache-Bota S.**
4. **Simpozionul anual al Institutului de Mecanica Solidelor - SISOM** 20-21 Mai 2004, București  
*cu lucrarea:*
- 4.1 'Stress states in some heat exchanger plates', autori: Gheorghies C., V. Paunoiu, D. Nicoara, **Condurache-Bota S.** – prezentare orală  
[http://www.imsar.ro/Sisom\\_2004.pdf](http://www.imsar.ro/Sisom_2004.pdf)
5. **Simpozionul interjudețean "Ștefan Procopiu"** – ediția a XV-a, 21 ianuarie 2006, cu:  
- *Diplomă de merit* pentru participarea la Secțiunea Metodică;
- 5.1 "Starea de polarizare a radiațiilor optice în procesele de reflexie și refracție", autor: **Condurache-Bota S.**
6. **The 3rd National Conference on Applied Physics**, June 15-16<sup>th</sup>, 2007, Galați, România; organizatori: Romanian Ministry of Education and Research; "Dunarea de Jos" University of Galați, Department of Physics; Romanian Physics Society,  
*participare cu lucrările:*
- 6.1 'Analysis of the superficial layer of materials by X-rays diffraction method', autori: Gheorghies C., I. Crudu, I. I. Ștefănescu, L. Palaghian, V. Mușat, L. Gheorghies, Tigau N., N. Cănanău, S. Măcuță, V. Păunoiu, D. Scarpete, M. Simionov, D. Nicoară, M. Modiga, M. Hapenciuc, L. Deleanu, I. Bârsan, G. Andrei, C. Maier, A. Epureanu, G. Fetecău, L. Moraru, A. Doniga, P. Alexandru, A. Ivănescu, G. Cârâc, L. Benea, D. Toma, M Thompson, C. Spânu, C. Fetecău, S. Levcovici, S. Ciortan, O. Mitoșeriu, D. Dima, O. Dima, **S. Bota-Condurache**, N. Diaconu, F. Stan, M Râpă, S. Boiciuc. – prezentare în plen;
- 6.2 'Institutional evaluation optimizing the activity of the Quality Assurance Commission', autori: G. Condurache Bota, V. Isaia, M.Praisler, **S. Condurache Bota** – prezentare poster
- 6.3 'Measurements of glass dispersion properties using a Michelson interferometer', autori: **Condurache-Bota S.**, Gheorghies C., Dorohoi D. O. – prezentare poster;
- 6.4 'Evaluation of residual austenite by XRD technique', autori: Gheorghies C., A.M. Cantaragiu, L.Gheorghies, **Condurache-Bota S.**, I.V. Stasi – prezentare poster;  
<http://www.phys.ugal.ro/Conferinta2007/PROGRAM.htm>
7. **IRPA Regional Congress for Central and Eastern Europe**, Brașov, România, 24 – 28 Septembrie 2007,  
*cu lucrarea prezentată poster:*
- 7.1 'Decreasing the Irradiation Level during Coke Moisture Measurements inside a furnace at Iron-Steel Plants', autori: Gheorghies C., **Condurache-Bota S.**, Gheorghies L.
8. XVIII International School-Seminar "Spectroscopy of Molecules and Crystals", Septembrie, 2007, Beregove, Crimeea, Ucraina  
*cu lucrarea prezentată poster:*
- 8.1 'Point groups in molecular symmetry' ; autori: S. Gosav, **S. Bota-Condurache**, I. Dumitrascu, L. Dumitrascu, D.O. Dorohoi
9. **Conferința științifică tehnologiei și materiale avansate - UGALMAT 2007**, 19 - 20 Octombrie 2007, GALAȚI, România  
*cu lucrarea prezentată poster:*
- 9.1 "Nondestructive methods used in the analysis of the surface and of the superficial layer", autori: Gheorghies C., L. Gheorghies, **Condurache-Bota S.**, N. Cănanău
10. **Workshop: "Introduction to Confocal Raman and Scanning Probe Microscopy"**, Cluj-Napoca, 5-6 Martie 2008, organizat de WITec, Ulm, Germania  
<http://www.witec-instruments.de/en/eventsseminars/files/FlyerCluj08.pdf>
11. **8th International Conference on Physics of Advanced Materials (ICPAM-8)**, 4-7 Iunie 2008, Iași, România  
*cu lucrarea prezentată poster:*
- 11.1 "Incipient structural and optical analysis of thermally oxidized bismuth thin films", autori: **Condurache-Bota S.**, Rusu G. I., Tigau N., Gheorghies C.
12. **The International Conference of Physical Chemistry ROMPHYSICHEM-13**, 3-5 Septembrie 2008, București, România;  
*Organizatori:* Institute of Physical Chemistry "Ilie Murgulescu" of the Romanian Academy; Department of Physical Chemistry, Faculty of Chemistry, University of București; Romanian Chemical Society, Section of Physical Chemistry  
*cu lucrările prezentate poster:*
- 12.1 "Structural and optical characterization of thermally oxidized bismuth thin films", autori: **Simona Condurache-Bota**, Gheorghe I. Rusu, Nicolae Tigau, Romana Drasovean and Constantin Gheorghies
- 12.2 "Influence of the thermal treatment on the electrical properties of cobalt oxide layers", autori: Drasovean R., **Condurache-Bota S.**  
<http://gw-chimie.math.unibuc.ro/romphyschem13/participants.php>

13. **NATIONAL CONFERENCE ON APPLIED PHYSICS, 4<sup>th</sup> Edition**, Jubilee Edition: 60 years of Higher Education in Galați, 25-26 Septembrie 2008, Galați, România:  
 - *co-chairman* la secțiunea: "SECTION 4. CONDENSED MATTER PHYSICS AND ADVANCED MATERIALS TECHNOLOGY";  
 - *prezentare lucrări poster*:  
 13.1 "Optical properties of bismuth-bismuth oxide sandwich structures obtained by thermal oxidation of bismuth thin films", autori: **Condurache-Bota S.**, Rusu G. I., Tigau N. (poziția: S2.P7);  
 13.2 "Structural characterization of thermally-oxidized bismuth thin films", autori: **Condurache-Bota S.**, Rusu G. I., Tigau N., Gheorghies C. (poziția: S4.P6); <http://www.phys.ugal.ro/Conference2008/accepted%20abstracts.htm>
14. **The 8th International Conference of Technology and Quality for Sustained Development TQSD'08**, 30-31 Octombrie 2008, București, România, organizată de: Universitatea Politehnică din București; Facultatea I.M.S.T., Catedra Tehnologia Materialelor și Sudare; De Montfort University, United Kingdom; Malta University, Malta; TEI Athens, Greece; University of Rennes, France Media partner: First International Service Agency SRL  
*cu lucrările prezentate poster*:  
 14.1 "Structural changes of the stainless steel caused by a pitting-type of corrosion"; autori: Gheorghies C., **Condurache-Bota S.**, V. Paunoiu, L. Gheorghies  
 14.2 "The influence of the pressure on the thermally-influenced areas during the dry hyperbaric welding", autori: D. Mihăilescu, Gheorghies C., A. Mihăilescu, **Condurache-Bota S.**, P. Alexandru; <http://www.camis.pub.ro/tqsd08/programme.html>
15. **4th International Conference on Amorphous and Nanostructured Chalcogenides ANC-4**, 29 iunie-3 iulie 2009, Constanța, România  
*cu lucrările prezentate poster*:  
 15.1 "Structural and optical analysis of superimposed bismuth and antimony oxides", autori: **Condurache-Bota S.**, Rusu G. I., Tigau N., V. Nica, Drasovean R.  
 15.2 "Structural characterization and optical properties of Co<sub>3</sub>O<sub>4</sub> and CoO films", autori: Drasovean R., **Condurache-Bota S.**
16. **International Symposium on Applied Physics, Materials Science, Environment and Health, ISAP 1**, 1st Edition, November 28– 29th, 2009, Galați, România; organizatori: Physics Department and Center for Physical-Chemical and Morpho-functional Analyses and Chemometry, FACULTY OF SCIENCES  
 – *membru în Comitetul de organizare național și*  
 - *participant cu lucrările*:  
 16.1 "Estimation of the mean grain size from the XRD spectrum. several methods", autori: **Condurache-Bota S.**, Gheorghies C., A. P. Rambu, A. Cantaragiu (poziția S2.P21) – poster presentation;  
 16.2 "Electro-optical parameters of some uniax inorganic crystals", autori: Carmen-Beatrice Zelinschi, Carmen-Felicia Dascalu, **Simona Condurache-Bota**, Dana-Ortansa Dorohoi (poziția: S2.P9.) – prezentare poster;  
 16.3 "Influence of UV irradiation on the structural and optical properties of CdO films", autori: C. Cristian Danțuș, George G. Rusu, Petronela Râmbu, **Simona Condurache-Bota**, Felicia Iacomi (poziția: S1.P10.) - prezentare poster;  
 16.4 "Some structural and electrical properties of ZnO thin films", autori: A. P. Râmbu, C. Danțuș, **Condurache-Bota S.**, D. Sîrbu, Rusu G.I. (poziția: S1.P8.) - prezentare poster;  
 16.5 "Detailed computation of optical features for vacuum-deposited thin films of bismuth trioxide" autori: **Simona Condurache-Bota**, Gheorghe I. Rusu, Nicolae Tigau, Constantin Gheorghies (poziția: S1.O6) – prezentare orală;  
 16.6 "The effect of annealing on the electrical conduction of amorphous Sb<sub>2</sub>S<sub>3</sub> thin films", autori: Nicolae Tigau, **Simona Condurache-Bota** (poziția: S1.O5) – prezentare orală;  
 16.7 "Refractive index, oscillator parameters and optical band gap of antimony trisulfide thin films", autori: Nicolae Tigau, **Simona Condurache-Bota** (poziția: S1.O4.) – prezentare orală;  
 16.8 "Structure and optical constants of antimony trioxide thin films", autori: Nicolae Tigau, **Simona Condurache-Bota**, Constantin Gheorghies (poziția: S1.O3.) – prezentare orală;  
[http://www.phys.ugal.ro/Conference2009/Program\\_ISAP1\\_GALATI\\_2009-FF.pdf](http://www.phys.ugal.ro/Conference2009/Program_ISAP1_GALATI_2009-FF.pdf)
17. **A doua Conferință Națională de: "Științe aplicate în studiul mediului înconjurător și materialelor" cu participare internațională**, 28-30 aprilie 2010, Targoviste, România  
*cu lucrările prezentate poster*:  
 17.1 "Explicit application of Swanepoel's method for the analysis of Sb<sub>2</sub>O<sub>3</sub> thin films", autori: **Condurache-Bota S.**, Tigau N., Drasovean R.  
 17.2 "Comparative analysis of bell sounds from several românian orthodox monasteries and churches" autori: C. Oancea, Gheorghies C., **Condurache-Bota S.**;  
 17.3 "Structural and electrical characterization of cobalt oxide semiconductors", autori: Romana DRASOVEAN, **Simona Condurache-Bota**, Nicolae TIGAU;
18. **The International Conference of Physical Chemistry ROMPHYSHEM-14**, 2-4 Iunie 2010 București, România; *Organizatori*: Institute of Physical Chemistry "Ilie Murgulescu" of the Romanian Academy; Department of Physical Chemistry, Faculty of Chemistry, University of București; Alpha Association;  
*cu lucrările prezentate poster*:

- 18.1 "The influence of substrate temperature on the structure and on the optical reflection spectrum of bismuth thin films", autori: **Simona Condurache-Bota**, Romana Drasovean and Alicia Petronela Râmbu;
- 18.2 "Optical characterization of cobalt oxide doped silica nanocomposite films", autori: Romana Drasovean, **Simona Condurache-Bota**
- 18.3 "A comparative approach for optical characterization for Bi<sub>2</sub>O<sub>3</sub>", autori: Gabriel Murariu, **Simona Condurache-Bota**, Tigau N., <http://web.icf.ro/romphyschem/index.php/registered-participants14>
19. **11th International Balkan Workshop on Applied Physics – IBWAP11**, Constanța 7-9 Iunie 2010  
cu lucrările prezentate poster:
- 19.1 "Combined UV and thermal treatment influence on the structural and optical properties of some bismuth thin films", autori: **Condurache-Bota S.**, Tigau N., Drasovean R. and S. Gosav;
- 19.2 "Antimony trioxide thin films deposited by vacuum evaporation method", autori: Tigau N., **Condurache-Bota S.**, Drasovean R. and S. Gosav;
- 19.3 "Influence of annealing on the crystallinity and optical properties of cobalt oxide nanocomposite films", autori: Drasovean R. and S. Gosav, **Condurache-Bota S.**, Tigau N.;
- 19.4 "Temperature dependence of optical properties for Bi<sub>2</sub>O<sub>3</sub>", autori: Gabriel Murariu, **Simona Condurache-Bota**;
- 19.5 "Comparative characterisation of optical properties for Bi<sub>2</sub>O<sub>3</sub>", autori: Gabriel Murariu, **Simona Condurache-Bota**; <http://www.univ-ovidius.ro/ibwap2010/home.htm>
20. **4th BBC SWS International Conference on SOLAR AND HELIOSPHERIC INFLUENCES ON THE GEOSPACE**, 1-5 Octombrie 2012, București, România, secțiunea: 7 Middle and lower atmosphere long-term variability / Climate change (Variabilitatea pe termen lung a atmosferei inferioare și mijlocii/Schimbări climatice), cu lucrarea prezentată poster:
- 20.1 "Assessing the correlation between cloud types and the interplanetary magnetic field" (Stabilirea corelării dintre tipurile de nori și câmpul magnetic interplanetar), autori: **Condurache-Bota S.**, Voiculescu M., [http://www.geodin.ro/CONFERENCE2012/index\\_htm\\_files/The%204th%20Balkans\\_f.pdf](http://www.geodin.ro/CONFERENCE2012/index_htm_files/The%204th%20Balkans_f.pdf)
21. **9th EUROPEAN SPACE WEATHER WEEK**, 5-9 Noiembrie 2012, Bruxelles, Belgia, secțiunea 3: Solar Variability Effects on Climate (Efectele variabilității solare asupra climei),  
cu lucrarea prezentată poster:
- 21.1 "Is cloud cover modulation related to the interplanetary magnetic field?" ("Este modularea acoperirii cu nori legată de câmpul magnetic interplanetar?"), autori: **Condurache-Bota S.**, Voiculescu M., I. G. Usoskin. <http://sidc.oma.be/esww9/program/poster3A.php>
22. **ERCA 2013 – European Research School on Atmospheres** (Cursul european de cercetare asupra atmosferelor), Grenoble – OHP (Observatoire de Haute Provence), Franța,  
cu lucrarea prezentată oral și poster:
- 22.1 "Study of the relationship between cloud types and interplanetary magnetic field" authors: **Condurache-Bota S.**, Voiculescu M., <http://erca-school.eu/>
23. **Scientific Conference of Doctoral Schools from "Dunărea de Jos" University of Galați (CCSD-UDJG 2013) și Simpozion UGALnano3**, Galați, 16-17 Mai 2013,  
cu lucrările prezentate poster:
- 23.1 Condurache-Bota S., Tigau N., D. C. Vladu Radu, *Structural and optical changes of bismuth thin films submitted to UV irradiation*, secțiunea 4 - Advanced investigation methods in environment and biohealth. [http://www.phys.ugal.ro/Annals\\_Fascicle\\_2/Year2013/Annals%202013%20volume%201.htm](http://www.phys.ugal.ro/Annals_Fascicle_2/Year2013/Annals%202013%20volume%201.htm)
- 23.2 N.Tigau, D. C. Vladu Radu, Prodan G., Gheorghies C., Condurache-Bota S., Preparation and characterization of tin oxide thin films, poster P. 3.2
24. **13th International Balkan Workshop on Applied Physics - IBWAP**, Constanța, 2013  
cu lucrarea prezentată oral:
- 24.1 Popescu V. I., Frontasyeva M., Stihl C, Ene A., Cucu-Man S., Todoran R., Culicov O., Zinicovscaia I., My Trinh, Pavlov S.S., Radulescu C.1, Chilian A, Gheboianu A, Bancuta R, Cimpoaia G.H. V., Bancuta I., Dulama I , Toma L.G., Bucurica A. Dima G., Chelarescu E.D., Drasovean R., Sion A., Condurache-Bota S., Buhaceanu R., Tarcau D., Todoran D., *Moss biomonitoring of air quality in Romania*, secțiunea S5: *Engineering and Industrial Physics* poster: P09.
25. **Space Climate Symposium 5**, Oulu, Finland, June 15-19, 2013  
cu lucrarea prezentată oral:
- 25.1 Voiculescu M., Condurache-Bota S., Constantin D., *Possible relationship between space weather and cloud cover and role of various climatic factors*
26. **Conferința Științifică a Școlilor Doctorale CCSD-UDJG**, 15-16 mai 2014, Galați, Romania  
cu lucrarea prezentată poster:
- 26.1 Condurache-Bota S., Cătălin Constantinescu, Nicolae Tigau and Gabriel Murariu, *Kramers-Kronig method applied for thin films of bismuth oxide prepared by PLD*

27. **INDLAS - International Conference "Modern Laser Applications"**, 4<sup>th</sup> Edition, 19-23 mai 2014, Bran, Romania

cu lucrarea prezentată poster:

27.1 Simona Condurache-Bota, Catalin Constantinescu, Nicolae Tigau, Mirela Praisler, Constantin Gheorghies, Correlation studies between the optical and the morpho-structural properties of thin bismuth oxide films grown by pulsed laser ablation

<http://indlas.inflpr.ro/>

28. **ACCENT-Plus Summer School: Atmospheric Composition Change - The European Network**, Urbino, Italia, 2014

cu lucrarea prezentată poster:

28.1 Condurache-Bota S., Voiculescu M., *Cloud cover and the interplanetary magnetic and electric fields: evolutions and possible correlations.*

și cu lucrarea prezentată oral:

28.2 Hao Wu, Simona Condurache-Bota, Duong Hoang Long, *Instrumentation and Measurements of aerosols in the city*

29. **CAS - International Semiconductor Conference**, 13-15 oct. 2014, Sinaia, Romania, conferință organizată de IMT - Institutul de Microtehnologie, București

cu lucrările prezentate poster:

29.1 Condurache-Bota, Simona; Constantinescu, Cătălin; Praisler, Mirela; Gavrilă, Raluca; Tigau, Nicolae; Gheorghies, Constantin; *Influence of the preparation method on the morpho-structural and optical properties of bismuth oxide thin films.*

29.2 Tigau, Nicolae; Condurache-Bota, Simona; *Effect of thermal annealing in vacuum on the structural and optical properties of Sb<sub>2</sub>S<sub>3</sub> thin films.*

și cu lucrarea prezentată oral:

29.3 Condurache-Bota, Simona; Constantinescu, Cătălin; Praisler, Mirela; Tiron, Vasile; Tigau, Nicolae; Gheorghies, Constantin; *The influence of laser wavelength and pulses number on the structure and the optical properties of pulsed laser-deposited bismuth oxide thin films*

[https://www.imt.ro/cas-archive/2014/programme\\_2014.htm](https://www.imt.ro/cas-archive/2014/programme_2014.htm)

30. **TIM14 Physics Conference – Physics without frontiers**, 20 - 22 Noiembrie 2014, Timișoara, România,

cu lucrarea prezentată poster:

30.1 Condurache-Bota S., Voiculescu M., Dragomir C., *Clouds and the near-Earth environment: possible links.*

31. **EGU General Assembly Conference**, 2014, 27 April - 2 May, 2014, Vienna, Austria

cu lucrarea prezentată oral:

31.1 Voiculescu M., Usoskin I., Condurache-Bota S., *Possible external sources of terrestrial cloud cover variability: the solar wind*, id.16241; <http://adsabs.harvard.edu/abs/2014EGUGA..1616241V>

32. **Conferința Științifică a Școlilor Doctorale CSSD-UDJG**, 15-16 mai 2015, Galați, Romania

cu lucrările prezentate poster:

32.1 **Condurache-Bota S.**, Constantinescu C., Praisler M., Tigau N., *The influence of the substrate temperature on the structure and on the optical energy bandgap of bismuth oxide thin films prepared by pulsed laser deposition* – lucrare comunicată poster (secțiunea 3 &UGALnano5: Functional materials & Nanotechnologies, poster nr. PP. 3.12)

32.2 **Condurache-Bota S.**, V. Tiron, Praisler M., *Highly transparent bismuth oxide thin films deposition: morphology - optical properties correlation studies*, *Journal of optoelectronics and advanced materials* – lucrare comunicată poster (secțiunea 3 &UGALnano5: Functional materials & Nanotechnologies, poster nr. PP. 3.13)

33. **International Conference "Environmental challenges in the Lower Danube Region"**, 25-26 Iunie 2015, Galați, România,

cu lucrările prezentate poster:

33.1 **Condurache-Bota S.**, Antoaneta Ene, Gabriela Pavelascu, *Nuclear energy and radioactive pollution (SECTION 5. Integrated approach to environmental education; poster P34)*

33.2 **Condurache-Bota S.**, Antoaneta Ene, Amira Teodora Antohe, Gică Condurache-Bota, *Recent developments in air quality in Europe (SECTION 5. Integrated approach to environmental education; poster P35)*

33.3 **Condurache-Bota S.**, Antoaneta Ene, Cristian Androni, Gică Condurache-Bota, *Greenhouse gases: trends worldwide from the EDGAR database (SECTION 5. Integrated approach to environmental education; poster P36)*

34. **ROCAM - The 8th International Conference on Advanced Materials** 07.07.2015-10.07.2015, București, Conferință organizată de Universitatea Politehnică din București

cu lucrările prezentate poster:

34.1 **Condurache-Bota S.**, Constantinescu C., R. Gavrilă, Tigau N. and Praisler M., *The influence of the thermal treatment on the properties of sandwich-type of bismuth and antimony trioxides thin films*

34.2 Tigau N., **Condurache-Bota S.**, *Influence of annealing on the structural and optical properties of Sb<sub>2</sub>O<sub>3</sub> thin films.*

<http://rocam.unibuc.ro/rocam2015/index.php>

35. **ECOSS 31 - European Conference on Surface Science**, 31.08.2015-04.09.2015, Barcelona, Spania, conferință organizată de The Surface Science Division of IUVSTA și de The Surface and Interface Section of the European Physical Society  
cu lucrările prezentate poster:

35.1 **Condurache-Bota S.**, Praisler M., R. Gavrilă, *Sandwich heterostructures of antimony trioxide and bismuth trioxide films: structural, morphological and optical analysis.*

35.2 **Condurache-Bota S.**, Tigau N., Praisler M., Prodan G., R. Gavrilă, *Near-infrared energy bandgap bismuth oxide thin films and their in-depth morpho-structural and optical analysis.*

<https://www.albasynchrotron.es/en/media/events/external-events/european-conference-on-surface-science-ecoss-31>

36. **International Workshop and School on Solar System Plasma Turbulence**, Intermittency and Multifractals, 6–13 September 2015, Mamaia, Romania

cu lucrarea prezentată oral:

36.1 Voiculescu M., M. Dima, Condurache-Bota S., I. Usoskin, *Solar wind variability and effects on terrestrial cloud cover at low altitudes a review*

37. **Conferința Științifică a Școlilor Doctorale CSSD-UDJG**, 2-3 iunie 2016, Galați, Romania

cu lucrările prezentate poster:

37.1 **Condurache-Bota S.**, Voiculescu M., *Interplanetary electric field "hits" terrestrial clouds* (secțiunea 4. Advanced investigation methods in environment and biohealth, poster nr. P.P.4.8)

37.2 **Condurache-Bota S.**, Condurache-Bota G., *Monitoring the rivers' water level: important issue within water management* (secțiunea 4. Advanced investigation methods in environment and biohealth, poster nr. P.P.4.9)

37.3 **Condurache-Bota S.**, Voiculescu M., Condurache-Bota G., *Weather records: a worldwide view* (secțiunea 4. Advanced investigation methods in environment and biohealth, poster nr. P.P.4.10)

<http://www.cssd-udjg.ugal.ro/index.php/2016>

38. **16th International Balkan Workshop on Applied Physics – IBWAP16**, Constanța, 7-9 Iulie 2016

cu lucrările prezentate poster:

38.1 Condurache-Bota S., Tigau N., Praisler M., Drasovean R., Prodan G., *Complex morpho-structural and optical analysis of bismuth oxide thin films* – S1, P1.

38.2 Tigau N., Condurache-Bota S., Drasovean R., J. Crînganu, R. Gavrilă, *Vacuum annealing effect on the structural and optical properties of antimony trioxide thin films* – S1, P44.

38.3 Drasovean R., Tigau N., Condurache-Bota S., *Surface water assessment in Galatzi city during 2014-2016* – S5, P32.

38.4 Condurache-Bota S., Voiculescu M., Condurache-Bota G., *Greenhouse gases: essentials and trends worldwide* – S5, P35.

38.5 Condurache-Bota S., Voiculescu M., *Extreme solar wind events and cloud cover: possible correlations* – S5, P37.

39. **The International Conference of Physical Chemistry ROMPHYSICHEM 2016**, Galați, România, Organizatori: Academia română, Institutul de Chimie fizică "Ilie Murgulescu" al Academiei române; Universitatea "Dunărea de Jos" din Galați, Autoritatea Națională pentru Cercetare Științifică și Inovare (ANCSI),

cu lucrările prezentate poster:

39.1 *Nicolae Tigau, Simona Condurache-Bota, Emilian Daniilă*, Substrate temperature effect on the structural and optical properties of ZnSe thin films, S05-P7;

39.2 *Simona Condurache-Bota, Nicolae Tigau*, The influence of the oxidation degree of bismuth oxide thin films on their optical properties, S05-P8;

39.3 *Gabriel Murariu, Adrian Dinescu, Adrian Gabriel Murariu, Lucian Georgescu, Simona Condurache-Bota*, Global models for optical properties dependence by temperature using Chebyshev first order polynomials. Case study of Bi<sub>2</sub>O<sub>3</sub>, S05-P28.

40. **17th International Balkan Workshop on Applied Physics – IBWAP17**, Constanța, 11-14 Iulie 2017

cu lucrările prezentate poster:

40.1 Condurache-Bota S., Tigau N., *Annealed bismuth and antimony trioxide sandwich films with increased refractive index and visible range energy bandgap* – S1, P8.

40.2 Tigau N., Condurache-Bota S., *The effect of annealing on the structural and optical properties of ZnSe thin films* – S1, P10.

<http://ibwap.univ-ovidius.ro/2017/>

41. **18th International Balkan Workshop on Applied Physics – IBWAP18**, Constanta, July, 10-13, 2018

cu lucrările prezentate poster:

41.1 Condurache-Bota S., Tigau N., *High-temperature deposition of bismuth oxide thin films by pulsed laser ablation*, – secțiunea 1, P6.

<http://ibwap.ro/wp-content/uploads/2018/07/IBWAP-2018-BOOK-of-ABSTRACTS.pdf>

41.2 Tigau N., Condurache-Bota S., Prodan G., *Substrate temperature effect on the structural and optical properties of tin oxide thin films*, – secțiunea 1, P5.

<http://ibwap.ro/wp-content/uploads/2018/07/IBWAP-2018-BOOK-of-ABSTRACTS.pdf>

42. **18th International Multidisciplinary Scientific Geoconference SGEM 2018**, Albena, Bulgaria, 30 iunie – 9 iulie 2018, 2018

cu lucrările prezentate poster:

42.1 Condurache-Bota S., Murariu G., Drasovean R., Voiculescu M., Condurache-Bota G., *Greenhouse gases worldwide: relative changes, comparisons, variation causes*, secțiunea "Air Pollution and Climate Change", poster nr. 14;

42.2 Drasovean R., Murariu G., G. Constantinescu, Condurache-Bota S., *Studies on the water quality of the Siret river, near Galati city*, secțiunea "Hydrology and water resources", poster nr. 30.

<https://www.sgem.org/index.php>

[https://www.sgem.org/documents/announce/GEO2018\\_Ann\\_2.htm](https://www.sgem.org/documents/announce/GEO2018_Ann_2.htm)

43. **19<sup>th</sup> International Multidisciplinary Scientific Geoconference SGEM 2019**, Albena, Bulgaria, June, the 28th – July, the 7th, 2019,

cu lucrările prezentate poster:

43.1 Condurache-Bota S., Murariu G., Drasovean R., *Study of the evolution of the particulate matter and heavy metals emissions in the first nine countries enrolled in the European Union*, section 19: 'Air Pollution and Climate Change', poster No. 13;

43.2 Drasovean R., Murariu G., Condurache-Bota S., Tigau N., *Monitoring the quality parameters of green leaves in Galati city*, section 14: 'Forest Ecosystems', poster No. 14.

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44. **EGU General Assembly 2022, Viena, Austria**, 23-27 mai 2022; EGU22-11573

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44.1 Echim, M., Voiculescu, M., Munteanu, C., Voitcu, G., Teodorescu, E., Condurache-Bota, S., Bujor Dănilă, E., and Negrea, C.: *Magnetosheath jets and their dynamical properties derived from an analysis of Cluster data at solar minimum (2007,2008)*, EGU General Assembly 2022, Vienna, Austria, 23–27 May 2022, EGU22-11573, <https://doi.org/10.5194/egusphere-egu22-11573>, 2022.

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45. **22<sup>nd</sup> International Multidisciplinary Scientific Geoconference SGEM 2022**, Albena, Bulgaria, 2-11 iulie 2022,

cu lucrările prezentate poster:

45.1 Condurache-Bota S., Murariu G., Drasovean R., R. Crețu, *Urban noise pollution and anthropogenic relief; case study for a medium-sized city*;

45.2 Murariu G., Drasovean R., R. Crețu, Condurache-Bota S., I. Racoviță, *Spatial and temporal variability of nitrogen oxides concentrations in the south-eastern part of Romania*

45.3 Murariu G., Drasovean R., R. Crețu, Condurache-Bota S., I. Racoviță, *Spatial and temporal variability of sulfur and carbon oxide concentrations in the south-eastern part of Romania*

46. **WORKSHOP Abordări moderne ale feedbackului între procese de mediu și schimbările climatice**, în cadrul proiectului REXDAN (Sistem integrat pentru cercetarea și monitorizarea complexă a mediului în aria fluviului Dunărea);

6-9 iulie 2022, Galați

cu lucrările prezentate poster:

46.1 Condurache-Bota S., Drasovean R., *Short-term atmospheric pollution monitoring in a selection of European capitals*;

46.2 Drasovean R., Condurache-Bota S., *Study of the evolution of heavy metals emissions in the southeastern part of Romania*

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47. **The 18<sup>th</sup> International Conference CONSTRUCTIVE AND TECHNOLOGICAL DESIGN OPTIMIZATION IN THE MACHINES BUILDING FIELD OPROTEH-2023, Bacău, Romania, 11-13 mai 2023**

cu lucrarea prezentată ca poster:

47.1 Condurache-Bota S., Miloșovici A.N., Wind and temperature patterns within urban relief, secțiunea: C. OPTIMIZATION IN ENVIRONMENTAL ENGINEERING AND ENVIRONMENTAL PROTECTION, poster C2.

48. **Conferința „Modern approaches of the environment-climate change interconnectivity, 2-nd edition, September 20-23, 2023, Galați**

cu lucrarea prezentată oral:

48.1 Condurache-Bota S., Mirela Voiculescu M., Georgescu P. L., Iticescu C., Constantin D.E., Rosu A., First time data reunion for REXDAN's RAPID-E+ device on aerosol monitoring

49. **Conferința International Conference of Physical Chemistry - Romphyschem-17, 25-27 Septembrie, Academia Română, București, 2023**

cu lucrările prezentate poster:

49.1 Condurache-Bota S., R. M. Drasovean, Murariu G. and R. Cretu, Sweets essence under analysis: UV-VIS-NIR spectra and other physical properties of cake flavor extracts;

49.2 Drasovean R., G.Murariu, S.Condurache-Bota and R. Cretu, Dynamics of PM, TCVO and CH<sub>2</sub>O concentrations in the city of Galati;

49.3 Murariu G., Drasovean R., S.Condurache-Bota and R. Cretu, Study on the variability of the ozone ground concentration between 2015-2023 in the South East area of Europe. A comparison of numerical methods of investigation;



49.4 Cretu R., Condurache-Bota S., R. M. Drasovean and Murariu G., Research on the effectiveness of ascorbic acid incorporation into water-in-oil emulsions with parsley (*Petroselinum Crispum*) extract

**50. International Conference and Workshop 'Interdisciplinary applications of advanced analytical and control techniques in environment, health and materials science – INTERVENT', Galați, 19-20 oct. 2023**

cu lucrarea prezentată oral:

50.1 Condurache-Bota S., Drasovean R. M., Tigau N., **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), no. 2, 90-100, 2023; DOI: <https://doi.org/10.35219/ann-ugal-math-phys-mec.2023.2.06>

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50.2 Drasovean R. M., Condurache-Bota S., Tigau N., Murariu G., **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), no. 2, 101-114, 2023; DOI: <https://doi.org/10.35219/ann-ugal-math-phys-mec.2023.2.06>

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**51. The 19<sup>th</sup> International Conference Constructive and technological design optimization in the machines building field OPROTEH-2023, Bacău, Romania, 22-24 mai 2024,**

cu lucrările:

51.1 R. Crețu, Murariu G., R. Omana Drasovean, Condurache-Bota S., Biochemical response - a useful tool for assessing the effects of some petroleum products on wheat (*triticum aestivum*), poster C7

51.2 Murariu G., R. Crețu, Drasovean R., Condurache-Bota S., Mathematical optimization methods for the treatment of domestic wastewater using the bsm-2 type model - two-dimensional polynomial approach with mixed terms and the validation of the obtained models, poster C8

51.3 Condurache-Bota S., R.M. Drasovean, Murariu G., R. Crețu, The microclimate of residential buildings: case study, poster C9

51.4 R.M. Drasovean, Condurache-Bota S., Murariu G., R. Cretu, Particulate matter air pollution in Romania: spatio-temporal evolution and sources, poster C10

**ANEXA 4**

**CITĂRI ale articolelor ISI publicate**

1. **Lucrarea:** Tigau N., Gheorghies C., Rusu G. I., **Condurache-Bota S.**, The influence of post-deposition treatment on some physical properties of Sb<sub>2</sub>S<sub>3</sub> thin films, J. Non-Cryst. Solids, 351 (12-13), 987-992, 2005. FI: 3.2

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1.2 Perales F., Lifante G., Agulló-Rueda F., de las Heras C., *Optical and structural properties in the amorphous to polycrystalline transition in Sb<sub>2</sub>S<sub>3</sub> thin films*, J. Phys. D: Appl. Phys. **40**(8), 2440 (2007). *Factor de impact: 2,200; scor relativ de influență: 1,9133;*

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