

## LISTĂ DE LUCRĂRI

### I. Lista celor mai relevante lucrări (lucrări ISI)

1. **Bogatu C**, Covei M., Tismanar I, Perniu D., Duta A, *Stability of the  $\text{Cu}_2\text{ZnSnS}_4/\text{TiO}_2$  photocatalytic thin films active under visible light irradiation*, Catalysis Today, 328 (2019) 79-84, ISSN: 09205861, FI=4,888, <https://doi.org/10.1016/j.cattod.2018.11.031>;
2. Covei M., Perniu D., **Bogatu C**, Duta A., *CZTS- $\text{TiO}_2$  thin film heterostructures for advanced photocatalytic wastewater treatment*, Catalysis Today, 321-322 (2019) 172-177, ISSN: 09205861, FI=4,888, DOI: 10.1016/j.cattod.2017.12.003;
3. Covei M., **Bogatu C**, Perniu D., Duta A., Visa I., *Self-cleaning thin films with controlled optical properties based on  $\text{WO}_3$ -rGO*, Ceramics International 45 (2019) 9157-9163, ISSN: 02728842, FI=3,450 <https://doi.org/10.1016/j.ceramint.2019.01.256>;
4. **Bogatu C.**, Perniu D., Sau C., Iorga C., Cosnita M., Duta A., *Ultrasound assisted sol-gel  $\text{TiO}_2$  powders and thin films for photocatalytic removal of toxic pollutants*, Ceramics International, 43 (2017) 7963-7969, ISSN: 02728842, FI=3,057, WOS: 000401876000001, DOI: 10.1016/j.ceramint.2017.03.054;
5. Enesca A., Baneto M., Perniu D., Isac L., **Bogatu C.**, Duta A, *Solar-activated tandem thin films based on  $\text{CuInS}_2$ ,  $\text{TiO}_2$  and  $\text{SnO}_2$  in optimized wastewater treatment processes*, Applied Catalysis B: Environmental 186 (2016) 69-76, ISSN: 09263373, FI=9,446, WOS:000370305900008, DOI 10.1016/j.apcatb.2015.12.053;
6. **Bogatu C.**, Duta A., de Loos T. W., Geana D., *Modelling fluid phase equilibria in the binary system trifluoromethane + 1-phenylpropane*, Fluid Phase Equilibria, 428 (2016) 190-202, ISSN: 03783812, FI=2,473, WOS: 000386643400019, DOI: 10.1016/j.fluid.2016.06.027
7. **Bogatu C.**, Perniu D., Duta A., *Challenges in developing photocatalytic inks*, Powder Technology 287 (2016) 82-95, ISSN: 00325910, FI=2,942, WOS:000365363900010, DOI: 10.1016/j.powtec.2015.09.018;
8. Visa M., **Bogatu C** , Duta A., *Tungsten oxide – fly ash oxide composites in adsorption and photocatalysis*, Journal of Hazardous Materials, 289, (2015), 244-256, ISSN: 03043894, FI=4,496, WOS: 000353079300028, DOI: 10.1016/j.jhazmat.2015.01.053

9. Dudita M., **Bogatu C.**, Enesca A., Duta A., *The influence of the additives composition and concentration on the properties of SnO<sub>x</sub> thin films used in photocatalysis*, Materials Letters 65 (14) (2011) 2185-2189, ISSN: 0167-577X, FI=2,307, WOS: 000292444200030, DOI:10.1016/j.matlet.2011.03.111
10. Visa M., **Bogatu C.**, Duta A., *Simultaneous Adsorption of Dyes and Heavy Metals From Multicomponents Solution using Fly Ash*, Applied Surface Science 256 (2010) 5486-5491, ISSN: 0169-4332, FI=1,795, WOS: 000277731800064, DOI 10.1016/j.apsusc.2009.12.145

## II. Teza de doctorat

Titlu tezei: *Caracterizarea termodinamică a sistemelor de natură organică în condiții extreme de presiune*, Conducător științific: Prof. Dr. Doc. Rodica VÎLCU, Universitatea din București, susținută în 19 februarie 2010.

## III. Brevete

1. Perniu D, **Bogatu C.**, Duta A., Isac L., Covei M., Vișa I., Neagoe M., *Dispersie fotocatalitică activă în domeniul vizibil al radiației luminoase și metodă de obținere*, RO132549 (A0), 2018.
2. Dută A., Moldovan M., **Bogatu C.**, Covei M., Vișa I., Perniu D., Neagoe M., Coșnită M., *Fotoreactor cu film subțire pentru epurarea avansată a apelor prin fotocataliză și adsorbție*, RO132804 (A0), 2018.

## IV. Cărți și capitole în cărți

### *Carti si capitole în cărți în edituri naționale*

1. **Bogatu C.**, *Sisteme disperse. Rolul lor în poluarea și depoluarea mediului*, Editura Universitatii Transilvania din Brasov, 2020, ISBN 978-606-19-1246-9 (197 pag);
2. **Bogatu C.**, Voinea M., Ienei E., Duta A., *Straturi subțiri depuse electrochimic pentru elementele active în conversia solar – termică*, în *Electrochimie și coroziune pentru doctoranzii ELCOR* (Nisan T. și colaboratorii) Vol.4, Editura Politehnica Press 2009, București 256-286. (30 pag).

### *Capitole în cărți în edituri internaționale*

1. **Bogatu C.**, Covei M., Tismanar I, Perniu D., Duta A., *Composite nanostructures as potential materials for water and air cleaning with enhanced efficiency*, in: *Advanced nanostructures for environmental health*, Editura Elsevier, 2019, 431-464, ISBN: 9780128158821, (33 pag);



2. Covei M., Perniu D., **Bogatu C.**, Duta A., *ZnO Thin Films with Controlled Properties Deposited by Spray Pyrolysis*, in *ZnO Thin Films: Properties, Performance and Applications*, Editura NOVA, series Materials Science and Technology, Editura Nova, series Materials Science and Technology, Editor Paolo Mele, ISBN: 978-1-53616-086-4 (21 pag);
3. **Bogatu C.**, Perniu D., Isac L., Covei M., Duta A., *Design and Development of TiO<sub>2</sub> Based Dispersions for Photocatalytic Fabrics*, in: *Proceedings of the Conference on Sustainable Energy 2017 – Nearly Zero Energy Communities* (Editor I.Visa, A. Duta), Editura Springer 2017, 521-549, ISBN 978-3-319-63215-5, (29 pag);
4. Isac L., Panait R., Enesca A., **Bogatu C.**, Perniu D., Duta A., *Development of Black and Red Absorber Coatings for Solar Thermal Collectors*, in: *Proceedings of the Conference on Sustainable Energy 2017 – Nearly Zero Energy Communities* (Editor I.Visa, A. Duta), Editura Springer 2017, 263-282 ISBN 978-3-319-63215-5 (20 pag);
5. Manciulea I., L. Dumitrescu, C., **Bogatu C.** Draghici D. Lucaci, *Compost Based on Biomass Wastes Used as Biofertilizers or as Sorbent*, in: *Proceedings of the Conference on Sustainable Energy 2017 – Nearly Zero Energy Communities* (Editor I.Visa, A. Duta), Editura Springer 2017, 566-585, ISBN 978-3-319-63215-5;
6. Duta A., Enesca A., Isac L., Perniu D., Andronic L., **Bogatu C.**, *Thin Film Vis-Active Photocatalysts For Up-Scaled Wastewater Treatment* în: *Proceedings of the Conference on Sustainable Energy 2014 - Sustainable Energy in the Built Environment-Steps Towards nZEB* (Editor I.Visa), Editura Springer 2014, 521-538, ISBN 978-3-319-09706-0 (18 pag) .

#### *Cursuri/manuale/ îndrumatoare de laborator pentru uzul studentilor*

1. Țică R., Perniu D., **Bogatu C.**, Manciulea I., *Chimie*, Reprografia Universitatii Transilvania, Brasov, 2012– Curs pentru ID - IEI, AR, IESC (148 pag);
2. Țică R., **Iosif C.**, *Chimie anorganică - Nemetale*, Îndrumar de laborator, Reprografia Universității "Transilvania" din Brașov, 2002 (99 pag. );
3. Țică R., **Iosif C.**, *Chimie anorganică - Metale*, Îndrumar de laborator, Reprografia Universității "Transilvania" din Brașov, 2003 (39 pag.).

## **V. Articole/studii in extenso din fluxul științific internațional principal**

### *Articole ISI*

1. Covei M., **Bogatu C.**, Tismanar I, Perniu D., Duta A., Comparative study on the photodegradation efficiency of organic pollutants using n-p multi-junction thin films, *Catalysis Today*, 321-322 (2019) 57-64, ISSN: 09205861, FI=4,888, DOI: 10.1016/j.cattod.2017.12.003;



2. Pascu A., Stanciu E.M, Croitoru C., Roata I.C., Rosca J. M., Nicanor C., Tiorean M., **Bogatu C.**, *Pulsed Laser Cladding of NiCrBSiFeC Hardcoatings Using Single-Walled Carbon Nanotube Additives*, Journal of Nanomaterials, (2019), Article Number: 2401295, ISSN: 16874110, FI = 1,980;
3. Milosan I., Cristea D., Voiculescu I., Pop M. A., Balat-Michelin M., Predescu A. M., **Bogatu C.**, Bedo T., Berbecaru A. C., Geanta V, Gabor C., Isac L., Sarbu F.A., Oancea G., *Characterisation of EN 1.4136 stainless steel heat-treated in solar furnace*, International Journal of Advanced Manufacturing Technology, 101 (9-12) (2019) 2955-2964, ISSN: 02683768, FI=2,633;
4. Manciualea I., **Bogatu C.**, Dumitrescu L., Draghici C., *Cu<sup>2+</sup> removal from wastewaters by using compost as sorbent*, Environmental Engineering and Management Journal 16 (4) (2017) 779-792, ISSN:15829596, FI=1,334, WOS:000405831300003;
5. Duta A., Enesca A., **Bogatu C.**, Gyorgy E., *Solar-active photocatalytic tandems. A compromise in the Photocatalytic processes design*, Materials Science in Semiconductor Processing 42 (2016) 94–97, ISSN:13698001, FI=2,359, WOS:000367638100019;
6. Milea C., Ienei E., Bogatu C., Duta A., *Sol-gel Al<sub>2</sub>O<sub>3</sub> powders-matrix in solar thermal absorbers*, Journal of Sol-Gel Science and Technology 67 (1) (2013) 112-120, ISSN: 09280707, FI=1,547 WOS:000322137600013;
7. **Bogatu C.**, Geana D., Duță A., Poot W., de Loos T. W., *Fluid-Phase Equilibria in the Binary System Trifluoromethane + 1-Phenyltetradecane*, Industrial&Engineering Chemistry Research 50 (1) (2011) 213-220, ISSN: 0888-5885, FI=2,237, WOS:000285570700025;
8. Dudita M., **Bogatu C.**, Enesca A., Duta A., Thin films of SnO<sub>2</sub> obtained electrochemically from surfactants containing electrolytes, Revue Roumaine de Chimie 56 (7) (2011) 717-723, ISSN: 0035-3930, FI =0,418, WOS: 000298315200006;
9. Manciualea I., **Bogatu C.**, Milea A., *Corrosion inhibition in saline environment using ketonic Mannich Base from Ortho-Hydroxyacetophenone*. Environmental Engineering and Management Journal 10 (9) (2011) 1269-1276, ISSN: 1582-9596, FI =1,004 WOS:000296758400008;
10. **Bogatu C.**, Geană D., Vilcu R., Duță A., Poot W., de Loos T. W., *Fluid phase equilibria in the binary system trifluoromethane + 1-phenyloctane*, Fluid Phase Equilibria 295 (2010) 186-193, ISSN: 0378-3812, FI=2,253, WOS: 000280390500005;
11. Enesca A., **Bogatu C.**, Voinea M., Duta A., *Opto-electronic properties of SnO<sub>2</sub> layers obtained by SPD and ECD techniques*, Thin Solid Films 519 (2) (2010) 563-567, ISSN: 0169-4332, FI=1,935, WOS: 000284499500002;
12. **Bogatu C.**, Vilcu R., Duță A., Straver E., de Loos, *Vapour-liquid, Liquid-liquid and Vapour-liquid-liquid Equilibria in the System of Trifluoromethane+(2-methylpropyl)benzene*,



Revista de Chimie, 61(8) (2010) 767-769, ISSN:0034-7752, FI=0,693, WOS: 000282497600013;

13. **Bogatu C.**, Vilcu R., Geană D., Duță A., Poot W., de Loos T.W., *High Pressure Phase Behaviour of the System R23 + Phenylpropane. Experimental Results and Modelling Liquid-Vapour Equilibrium*, Revue Roumaine de Chimie, 54 (5) (2009), 343-349. ISSN: 1533-488, FI=0,263, WOS: 000270468200003;
14. Manciualea, I., **Bogatu, C.**, Comanita, E., Duta A., Dumitrescu, L., *Mannich Basis-Corrosion Inhibitors in Saline Water*, Environmental Engineering and Management Journal, 8 (4), (2009) 877-882, ISSN: 1582-9596, FI=0,885, WOS: 000269811500042
15. **Bogatu C.**, Voinea M., Duță A., Pelin I. M., Chitanu G.C., *The Electrochemical Deposition of Cu/CuOx Solar Selective Coatings with Controlled Morphology*, Revue Roumaine de Chimie, 54 (3) (2009) 235-241, ISSN: 1533-4880 FI=0,263, WOS: 000270468000007;
16. Voinea M., Ienei E., **Bogatu C.**, Duță A., *Solar Selective Coatings Based on Nickel Oxide obtained via spray pyrolysis deposition*, Journal of Nanoscience&Nanotechnology, 9 (2009) 4279-4284, ISSN: 1533-4880, FI=1,435, WOS: 000267994000046
17. Voinea M., **Bogatu C.**, Chițanu G. C., Duță A., *Copper Cermets used as Selective Coatings for Flat Plate Collectors*, Revista de Chimie 59 (6) (2008) 659 – 663, ISSN: 1862-6351, FI=0,389, WOS: 000257604600013;
18. **Bogatu C.**, Manciualea I., Duță A., *Mechanism of Steel Corrosion Inhibition using Mannich Bases*, Proceedings of 2nd International Conference on Multi-Functional Materials and Structures, Location: Qingdao, Peoples R China 2009) Multi-Functional Materials And Structures , Pts 1 And 2 Book Series: Advanced Materials Research 79-82 (2009) 1963-1966, ISBN:978-0-87849-304-3, ISSN: 1022-6680, WOS: 000280155900488;
19. Duță A., **Bogatu C.**, Chițanu G.C., Pelin I. M., *Electrochemical Deposition of Ni-Based Thin Film Cermets using Polymeric Additives*, (Proceedings of Conference: Symposium on Chemical and Electrochemical Synthesis of Advanced Materials and Nanostructures on Solid Surfaces held E-MRS Fall Meeting, Location: Warsaw, Poland 2007), Physica Status Solidi C, 5 (2008) 3530-3533, ISSN: 1862-6351. WOS: 000263222300025;
20. Covei M., **Bogatu C.**, Perniu D., S. Cisse, Duta A., *Comparative Study of the Electrical Properties of CZTS-TiO<sub>2</sub> and CZTS-ZnO Heterojunctions for PV Applications*, Proceedings of the International Semiconductor Conference CAS 2018, Sinaia 2018, Article number 8539820, 311-314, ISBN: 978-153864482-9.

## Articole BDI

1. Tismanar I., Covei M., **Bogatu C.**, Duta A., *The influence of the precursor type and of the substrate on the SPD deposited  $TiO_2$  photocatalytic thin films*, Annals of West University of Timisoara Physics, Vol. LX (2018) 75-87, ISSN: 1224-9718;
2. **Bogatu C.**, Cazan C., Manciualea I. Duta A., *Corrosion resistance in saline environment of colored based alumina spectrally selective surfaces*, Solid State Phenomena, 227 (2015) 103 -106;
3. Manciualea I., **Bogatu C.**, Cazan C., Dumitrescu L., Duta A., *Investigation of some Mannich Bases corrosion inhibitors for carbon steel*, Solid State Phenomena, 227 (2015) 63-66 ;
4. Milea A., Bogatu C., Duță A., *The Influence of Parameters in Silica Sol-Gel Process*, Bulletin of the Transilvania University of Braşov, Series I: Engineering Sciences, 4 (53) (1) (2011) 59-66;
5. Voinea M, Vlăduță C., **Bogatu C.**, Duta A., *Surface Properties of Copper Cermet Based Materials*, Materials Science and Engineering B 152, (2008) 76-80, ISSN: 09215107;
6. Voinea M., **Bogatu C.**, Duta A., *Environmental Impact of Copper Cermets Used As Selective Coatings for Flat Plate Collectors*, Bulletin of the Transilvania University of Braşov, New Series, SeriesA1, 14 (49) (2007) 211-218;
7. **Bogatu C.**, Vilcu R., Duta A., Straver E., De Loos Th.W, *LLV Equilibria and Barotropic Inversion Phenomena in the Systems of  $CHF_3$  + Phenylalkane*, Bulletin of the Transilvania University of Braşov, New Series, SeriesA1, 14 (47) (2005) 241-216

## VI. Lucrări în extenso apărute în volumele principalelor conferințe internaționale de specialitate

1. **Bogatu C.**, Vilcu R., Duță A., Poot W., de Loos T.W., *Phase Behavior in the Critical Region. Refrigerant/ Alkylbenzenes Systems*, International Conference on Materials Science and Engineering, BRAMAT, CD proceedings, February 24-26, 2005, Brasov, ISBN 973-635-454-7;
2. **Bogatu C.**, Duță A., Vilcu R., Poot W., de Loos T.W., *The Environmental Impact of the Systems of HFC and Alkylbenzenes used in the Refrigeration Industry*, 1st International Conference on Sustainable Energy - CSE, CD proceedings, ISBN 973-635 539-X, July 7-9, 2005, Brasov, Romania;
3. Iosif C., de Loos T.W., Duță A., Vilcu R., *Measurements of Phase Equilibria with the Cailletet Apparatus*, International Conference on Materials Science and Engineering, BRAMAT 2003, Brasov, 2003 Vol.IV, ISBN 973-635-126-2, 448-453, February, Brasov, Romania.



## VII. Alte lucrări și contribuții științifice

1. **Bogatu C., Vilcu R., Duță A.,** *Experimental Methods for Study High-Pressure Phase Behaviour. Part I. Static Methods*, Annals of Bucharest University, Year XIV (new series), (2005), Vol I și II, 193-203, ISSN 1220-871X;
2. **Bogatu C., Vilcu R., Duta A.,** *Experimental Methods for Study High-Pressure Phase Behaviour. Part II. Recirculation Methods*, Annals of Bucharest University Year XV (new series), (2006) Vol. I si II, 100-106, ISSN 1220-871X;
3. **Bogatu C., Vilcu R., Duță A.,** *Experimental Methods for Study High-Pressure Phase Behaviour. Part III. Continuous Flow Methods*, Annals of Bucharest University, Year XV (new series), (2005), Vol I si II, 106-110, ISSN 1220-871X;
4. **Bogatu C., Vilcu R., Duță A., Geană D., Straver E., de Loos T.W.,** *Modelling Vapor-Liquid Equilibria in the System  $\text{CHF}_3$  + Isobutylbenzene*, Bulletin of „Transilvania” University of Braşov, Series I, 1(50) (2008) 197-203, ISSN 1223-9631;
5. Voinea M., **Bogatu C., Duță A.,** *Environmental Impact of Copper Cermets Used As Selective Coatings for Flat Plate Collectors*, Bulletin of „Transilvania” University of Braşov, Series A, 14(49) (2007) 211-215, ISSN 1223-9631;
6. **Bogatu C., Duță A., Vilcu R., Straver E., Poot W., de Loos T.W.,** *LLV Equilibria and Barotropic Inversion Phenomena in the Systems of  $\text{CHF}_3$  + Phenylalkane*, Bulletin of “Transilvania” Series A, 12 (47) (2005) 241-246, ISSN 1223-9631;
7. **Iosif C., Vilcu R., Poot W., de Loos T.W.,** *High Pressure Phase Behaviour in the Systems of Refrigerant, R23 and Alkylbenzene Oils*, Bulletin of “Transilvania” University, Series B, 10 (45) (2003) 131-137, ISSN 1223-964X;
8. Isac L., **Iosif C., Şica M.,** *Helical Complexes: Triple Helicates*, Bulletin of “Transilvania” University, Series B, 8 (43) (2001) 67-73, ISSN 1223-964X;
9. **Iosif C., Duță A., Tică R.,** *Studies of Steel Corrosion in Chloride Environment*, Studia Universitatis Babes-Bolyai, Chemia (2001) 46(1-2), 123-128.;
10. Duță A., Benga I., **Iosif C., Tica R.,** *Adsorption Studies of Cadmium from Diluted Solutions*, Studia Universitatis Babes-Bolyai, Chemia (2001) 46 (1-2), 57-62;
11. Dumitrescu L., **Iosif C.,** *Research Concerning some New Wood Adhesives*, Bulletin of “Transilvania” University, Series B, 7 (42) (2000) 53-56, ISSN 1223-964X;
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### Prezentari în conferinte internationale ( selectie)

1. **Bogatu C.**, Perniu D., Silvia Gheorghita, Covei M., Obreja C., Buiu O., Duta A, Zinc oxide-grafene oxide composite thin films for photocatalytic applications, International Conference on Environmental Engineering and Management-ICEEM08, September 2019- *oral presentation*
2. **Bogatu C.**, Perniu D., Covei M., Isac L., Duta A., Design and Development of  $\text{TiO}_2$  Based Dispersions for Photocatalytic Fabrics conferinta: Conference for Sustainable Energy (CSE) 2017, Brasov 2017 - *oral presentation*
3. **Bogatu C.**, Covei M., Perniu D., Tismanar I., Duta A Stability of Vis-active Photocatalysts based on CZTS/ $\text{TiO}_2$  Heterostructures, 10th European Meeting on Solar Chemistry and Photocatalysis: Environmental Applications, SPEA9, 3-8 June 2018, Almeria, Spain - *oral presentation*
4. **Bogatu C.**, Perniu D., Isac L., Covei M., Duta A., Photocatalytic Dispersions based on  $\text{TiO}_2$ - $\text{Cu}_2\text{S}$ -Ag for Self-decontamination Fabrics E-MRS 2017, Spring Meeting, 23-26 May 2017, Strassbourg, Franta - *poster presentation.*
5. **Bogatu C.**, Perniu D., Isac L., Duta A., Photocatalytic Inks Based on  $\text{TiO}_2$ - $\text{Cu}_2\text{S}$ -Ag for Dyes Photodegradation, 9th European Meeting on Solar Chemistry and Photocatalysis: Environmental Applications, SPEA9, Strasbourg, 13-17 june 2016 - *poster presentation*
6. **Bogatu C.**, Perniu D., Duta A., The Effect of TODA as Stabilizer on  $\text{TiO}_2$  Nanostructured Inks, International Conference on Environmental Engineering and Management - ICEEM08 , Iasi 2015, September 9 – 12, 2015 - *oral presentation*
7. **Bogatu C.**, Perniu D., Duta A., Dispersions of Titanium Dioxide Nanoparticles for Photocatalytic Inks, E-MRS 2015, Spring Meeting, 11-15 May 2015, Lille, Franta - *poster presentation.*
8. **Bogatu C.**, Perniu D., Duta A., Stability of Titania Photocatalytic Dipersions – The Influence of Solvent and Surfactants, EMRS- Fall Meeting, 15-18 September 2014-*poster presentation.*
9. **Bogatu C.**, Geana D., Poot W., De Loos T.W., Fluid phase behavior of trifluoromethane + phenylalkanes, 25th European Symposium on Applied Thermodynamic, ESAT 2011, June 24-27, 2011, Saint Petersburg, Russia - *oral presentation*
10. **Bogatu C.**, Vilcu R., Duță A., Poot W., Straver E., de Loos T.W, Fluid Phase Equilibria in the System Consisting of R23 and Phenylacetane, The 16th Romanian International Conference on Chemistry and Chemical Engineering, RICCE XVI, September 9-12, 2009, Sinaia, Romania. – *oral presentation*



11. **Bogatu C.**, Vilcu R., Geană D., Duță A., Straver E., de Loos T. W, R23-phenylalkanes System. Calculations and Environmental Impact, International Conference on Materials Science and Engineering, BRAMAT, February 22-24, b, Brasov, Romania - *poster presentation*
12. Voinea M., **Bogatu C.**, Duță A., Accelerated Life Testing of Two Black Solar Absorber Coatings Absorbers Obtained via Electrodeposition, Romanian Conference on Advanced Materials, ROCAM, August 25-28, 2009, Brasov, Romania –*poster presentation*
13. Voinea M., **Bogatu C.**, Enesca A., Duță A., The Influence of Polymeric Additives on the Morphologic and Crystalline Properties of SnO<sub>2</sub> Thin Films, Romanian Conference on Advanced Materials, ROCAM, 25-28 august 2009, Brasov, Romania- *poster presentation*.
14. **Bogatu C.**, Poot W., de Loos T. W., High Pressure Phase Behaviour of Binary Systems of Refrigerants and N-Alkylbenzenes, 2007 AIChE Annual Meeting, November 4-9, 2007, Utah, Salt Lake City, SUA- *oral presentation*
15. Voinea M., **Bogatu C.**, G. C. Chitanu, Duță A., Copper Cermets used as Selective Coatings for Flat Plate Collectors, E-MRS 2007, Spring Meeting, 28 mai-1 iunie 2007, Strasbourg, Franta - *poster presentation*
16. **Iosif C.**, Vilcu R., Duță A., de Loos T.W., High-Pressure Phase Behaviour of the System Consisting of R-23 and 1-Phenylpropane, 16th International Congress of Chemical and Process Engineering, CHISA 2004, 2004, Praga, Cehia – *poster presentation*
17. **Iosif C.**, de Loos T.W., Duță A., Vilcu R., Measurements of Phase Equilibria with the Cailletet Apparatus, International Conference on Materials Science and Engineering, BRAMAT 2003, Brasov 2003 Vol.IV, ISBN 973-635-126-2, 448-453, February, Brasov, Romania. - *poster presentation*
18. de Loos T.W., Poot W., **Iosif C.**, High Pressure Behaviour of Binary Systems of Refrigerants and 1-Phenylalkanes, 20st European Seminar on Applied Thermodynamics, ESAT 2003, Germania – *oral presentation*

Data: 24.07.2020

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