

LISTA LUCRĂRILOR ȘTIINȚIFICE

Prof.hab.dr.ing. Dorina Rodica Chambre

A. Teza de doctorat/ abilitare

A1.Titulul tezei doctorat: **CONTRIBUȚII LA STUDIUL STABILITĂȚII TERMICE ÎN ACTIVITĂȚI CATALITICE A UNOR CATIONI ÎN**

Instituția de doctorat: Universitatea București, Facultatea de Chimie

Coordonator: Prof.Dr.Doc. Eugen Segal, Membru al Academiei Române

Data susținerii doctoratului: 25.06.2004

Titlul obținut: **doctor în domeniul Chimie** conform OMEC nr.5237 din 5.11.2004, Diplomă de doctor Seria D nr.0001910

A2.Titulul tezei de abilitare: **SISTEME POLIMERICE ȘI LIPIDICE CU IMPACT REDUS ASUPRA MEDIULUI**

Instituția: Școala Doctorală Interdisciplinară, Universitatea „Aurel Vlaicu” din Arad

Data susținerii abilitării: iunie 2020

Titlul obținut: **Atestat de abilitare** în domeniul de studii universitare de doctorat **Ingineria Mediului**, OM nr. 5792/10.10.2020

B. Cărți și capitole în cărți publicate

Carti:

B1. Dorina-Rodica CHAMBRE, *Chimia și Fizica Polimerilor*, Ed. Univ.”Aurel Vlaicu”, Arad, **2005**, 141 pagini, ISBN 973-8363-64-0;

B2. Dorina-Rodica CHAMBRE, *Noțiuni de Protecția Mediului*, Ed. Univ.”Aurel Vlaicu”, Arad, **2005**, 213 pagini, ISBN 973-8363-65-9;

B3. Cornelia IDI OIU, Crișan POPESCU, **Dorina CHAMBRE**, Raluca-Maria SZABO, *Chimia Fizică a Vopsirilor*, Ed. Univ.”Aurel Vlaicu” Arad, **2002**, 236 pagini, ISBN 973-8363-15-2;

B4. Cornelia IDI OIU, **Dorina CHAMBRE**, Raluca-Maria SZABO, *Chimie Fizică Generală Experimentală*, Ed. Univ.”Aurel Vlaicu” Arad, **2002**, 176 pagini, ISBN 973-8363-14-4;

B5. Nicolae.ONI A, Bujor. Ioan PANCAN, **Dorina CHAMBRE**, Elisabeta IVAN, *Chimie*, Ed. EUROSTAMPA, Timișoara, **2000**, 166 pagini, ISBN 973- 8027-81-0;

B6. Cornelia IDI OIU, **Dorina CHAMBRE**, *Chimie Fizică și Coloidală - Îndrumător de laborator*, Ed. Univ. "Aurel Vlaicu" Arad, **1997**, 150 pagini, ISBN 973-97828-8-4;

Capitole în cărți:

B7. Harja FLORIAN, **Dorina CHAMBRE**, *Biodiesel: characteristics and quality standards*, in: Agro-energy Systems and Local Adaptation- Biofuel Development From the Agricultural Sector, Ed. Universitaria Udinese, Italia, editor F.Rosa, **2008**, pp.145-152, ISBN978-88-8420-518-6;

B.8. Ioan CALINOVICI, **Dorina CHAMBRE**, *The soil, natural resources within the Lipova area*, in: Sentieri dell'Innovazione nel Territorio, Dinamiche di Sviluppo ed Aggregazione: il Caso Italia-Romania, Ed. Universitaria Udinese, Italia, editor F.Rosa, **2006**, pp.117-124, ISBN 88-8420-324-4;

B.9 Virgil CIUTINA, **Dorina CHAMBRE**, *The wine way in the Arad winery – source of social – economical development and recreation*, in: Sentieri dell'Innovazione nel Territorio, Dinamiche di Sviluppo ed Aggregazione: il Caso Italia- Romania, Ed. Universitaria Udinese, Italia, editor F.Rosa, **2006**, pp.125-134, ISBN 88-8420-324-4;

C. Lucruri publicate în reviste indexate ISI sau BDI

REVISTE INDEXATE ISI (cu factor de impact)

C1. Ursachi, C.-S., ; Pert, a-Cris, an, S.; Tolan, I.; Chambre, D.R.; Chereji, B.-D.; Condrat, D.; Munteanu, F.-D., Development and Characterization of Ethylcellulose Oleogels Based on Pumpkin Seed Oil and Rapeseed Oil, *Gels*, (2024);10(6):384; (I.F.=5.0), <https://doi.org/10.3390/gels10060384>, ISSN: 2310-2861

C2. Alexandru Bogdan, Lorena Aliana Cioban, Dana Maria Copolovici, Dorina Chambre, Lucian Copolovici, Pollutants and weathering compounds on medieval bricks of historic buildings from Brasov (Transylvania, Romania), *Urban Climate* (2024); 55:101930 (IF 6.4), <https://doi:10.1016/j.uclim.2024.101930>

C3. Tepeneu Andreea, Lupitu Andreea, Moisa Cristian, Chambre Dorina, Copolovici Dana Maria, Copolovici Lucian, The Variability of Indoor Air Pollutants in The Office and Their Impact on the Workers' Health, *Polish Journal of Environmental Studies*, Vol. 33, No. X (2024), 1-15, DOI: 10.15244/pjoes/186445, (I.F.=1,4), eISSN:2083-5906, ISSN:1230-1485

C4. Tepeneu Andreea, Lupitu Andreea, Surdea-Blaga Teodora, Moisa Cristian, Chambre Dorina, Copolovici Dana Maria, Copolovici Lucian, Variability of Air Pollutants in the Indoor Air of a General Store, *APPLIED SCIENCES-BASEL*, (2023);13(23):12572; (I.F.=2.7), <https://doi.org/10.3390/app132312572>, eISSN:2076-3417, ISSN: 2076-3417

C5. Andreea Lupitu 1, Cristian Moisa 1, Flavia Bortes 1, Denisa Peteleu, Mihaela Dochia, Dorina Chambre, Virgiliu Ciutin, Dana Maria Copolovici, Lucian Copolovici, The Impact of Increased CO2 and Drought Stress on the Secondary Metabolites of Cauliflower (*Brassica oleracea* var. botrytis) and Cabbage (*Brassica oleracea* var. capitata), *Plants* (Basel), (2023);12(17):3098; (I.F.=4.5), <https://doi:10.3390/plants12173098>, ISSN: 2223-7747

C6. Lupitu, Andreea, Cristian Moisa, Simona Gavrilă, Mihaela Dochia, **Dorina CHAMBRE**, Virgiliu Ciutin, Dana M. Copolovici, and Lucian Copolovici, The Influence of Elevated CO2 on Volatile Emissions, Photosynthetic Characteristics, and Pigment Content in Brassicaceae Plants Species and Varieties, *Plants*, (2022);11(7): 973. (I.F.=4.658) <https://doi.org/10.3390/plants1107097>, eISSN:2223-7747

C7. Maria-Daniela Mot, Simona Gavrilă, Andreea I. Lupitu, Cristian Moisa, **Dorina CHAMBRE**, Delia M. Tit, Mihaela A. Bogdan, Adina-Maria Bodescu, Lucian Copolovici, Dana M. Copolovici, and Simona G. Bungau, *Salvia officinalis* L. Essential Oil: Characterization, Antioxidant Properties, and the Effects of Aromatherapy in Adult Patients, *Antioxidants*, (2022);11(5):808., (I.F.=7.657), <https://doi.org/10.3390/antiox11050808>, eISSN:2076-3921

C8. Alexandru Bogdan, Dorina **CHAMBRE**, Dana Maria Copolovici, Tudor Bungau, Constantin C. Bungau, Lucian Copolovici, Heritage Building Preservation in the Process of Sustainable Urban Development: The Case of Brasov Medieval City, Romania, *Sustainability*, (2022);14(12):6959, (I.F.=3.889), <https://doi.org/10.3390/su14126959>, eISSN:2071-1050

C9. Mihaela Alexandra Bogdan, Simona Bungau, Delia Mirela Tit, Dana Carmen Zaha, Aurelia Cristina Nechifor, Tapan Behl, **Dorina CHAMBRE**, Andreea Ioana Lupitu, Lucian Copolovici, Dana Maria Copolovici, Chemical Profile, Antioxidant Capacity, and Antimicrobial Activity of Essential Oils Extracted from Three Different Varieties (Moldoveanca 4, Vis Magic 10, and Alba 7) of *Lavandula angustifolia*, *Molecules*, (2021);26(14):4381-3301., doi: 10.3390/molecules26144381, (F.I. 4.412), <https://pubmed.ncbi.nlm.nih.gov/34299656/>, eISSN: 1420-304

C10. Adriana Cecilia Csakvari, Cristian Moisa, Dana G Radu, Leonard M Olariu, Andreea I Lupitu, Anca Ofelia Panda, Georgeta Pop, **Dorina CHAMBRE**, Vlad Socoliuc, Lucian Copolovici, Dana Maria Copolovici, Green Synthesis, Characterization, and Antibacterial Properties of Silver Nanoparticles Obtained by Using Diverse Varieties of Cannabis sativa Leaf Extracts, *Molecules*, (2021);26(13):4041-4058, doi: 10.3390/molecules26134041, (F.I. 4.412), <https://pubmed.ncbi.nlm.nih.gov/34279380/>, eISSN:1420-304

C11. **Dorina Rodica CHAMBRE**, Cristian MOISA, Andreea LUPITU, Lucian COPOLOVICI, Georgeta POP, Dana-Maria COPOLOVICI, Chemical composition, antioxidant capacity, and thermal behavior of Satureja hortensis essential oil, *Scientific Reports*, (2020); 10:21322-21333; (F.I. 4,120), ISSN 2045-2322 (online), <https://doi.org/10.1038/s41598-020-78263-9>

C12. **Dorina Rodica CHAMBRE**, Mihaela TOCIU, Michaela Dina ST NESCU, Cri an POPESCU, Influence of composition on the thermal behavior of oils extracted from the seeds of some Romanian grapes. *Journal of the Science of Food and Agriculture*, (2019); 99 (14):6324-6332; (F.I. 2,422), <https://doi.org/10.1002/jsfa.9909>;

C13. **Dorina CHAMBRE**, Mihaela DOCHIA, Simona GAVRILA, TG/DTG analysis of an eco-friendly scoured fabric. *Rev. Roum. Chim.*, (2019); 64(5):453-460; (F.I. 0,395), DOI 10.33224/rch.2019.64.5.09, <http://revroum.lew.ro/wp-content/uploads/2019/05/Art%2009.pdf>;

C14. Cristian MOIS, Andreea LUPITU, Georgeta POP, **Dorina Rodica CHAMBRE**, Lucian COPOLOVICI, Gabriela CIOAC, Simona BUNG U, Dana Maria COPOLOVICI, Variation of the Chemical Composition of Thymus Vulgaris Essential Oils by Phenological Stages. *REV. CHIM. (Bucharest)*, (2019); 70(2):633-637; (F.I. 1,605), <https://doi.org/10.37358/RC.19.2.6973>;

C15. **Dorina Rodica CHAMBRE**, Simona GAVRILA, Michaela Dina ST NESCU, Cri an POPESCU, Thermal analysis for depiction of Laccase-PVA biocomposite. *Rev. Roum. Chim.*, (2018); 63(9):855-860; (F.I. 0,395), <http://revroum.lew.ro/wp-content/uploads/2018/09/Art%2009.pdf>;

C16. Diana Nicoleta RABA, **Dorina Rodica CHAMBRE**, Dana-Maria COPOLOVICI, Camelia MOLDOVAN, Lucian Octav COPOLOVICI, The influence of high-temperature heating on composition and thermo-oxidative stability of the oil extracted from Arabica coffee beans. *PLoS ONE*, (2018); 13(7): e0200314; (F.I. 2,776), doi.org/10.1371/journal.pone.0200314;

- C17.** Mihaela DOCHIA, **Dorina CHAMBRE**, Simona GAVRILA , Cristian MOIS , Characterization of the complexing agents' influence on bioscouring cotton fabrics by FT-IR ATR and TG/DTG/DTA analysis. *Journal of Thermal Analysis and Calorimetry*, (2018); *132(3)*:1489-1498; (F.I. 2,471), <https://doi.org/10.1007/s10973-018-7089-y>;
- C18.** Mihaela DOCHIA, Monica PUSTIANU, Cristian MOIS , **Dorina CHAMBRE**, Simona GAVRILA , Sodium citrate as an eco-friendly complexing agent for the bio-scouring treatment of the cellulosic /ligno-cellulosic fabrics. *Chemical Papers*, (2018); *72(8)*:1881-1888; (F.I. 1,246), <https://doi.org/10.1007/s11696-018-0455-1>;
- C19.** Gheorghe Radu Emilian M RIE , Dan CHIRA, Ovidiu NOVAC, Cecilia SÎRGHIE, **Dorina Rodica CHAMBRE**, Daniel TOMESCU, The Influence of the Processing Temperature by Injection and of Subsequent Pressure on Some Mechanical Properties of HDPE, PMMA, PC+ABS, Through Methods of Determining the Flexural Properties. *MATERIALE PLASTICE*, (2016); *53(3)*:458-464; (F.I. 1,393), <https://www.revmaterialeplastice.ro/Articles.asp?ID=4696>;
- C20.** Cecilia SÎRGHIE, Mihaela DOCHIA, Ioan VIFOR ISTOC, **Dorina CHAMBRE**, Lucian COPOLOVICI, A Comparison of a New Method Mediated by Molybdenum Complex with an Enzymatic Method for Bleaching Flax Fibers. *Journal of Natural Fibers*, (2015); *12(4)*:378-387; (F.I. 1,252), <https://doi.org/10.1080/15440478.2014.929557>;
- C21.** Iolanda TOLAN, **Dorina-Rodica CHAMBRE**, Study of L-glutamic Acid Influence on the Thermal Behaviour of Native Wheat Starch. *REV. CHIM.(Bucharest)*, (2015); *66(4)*:444-450; (F.I. 1,605), <https://revistadechimie.ro/RCRevChimie.asp>;
- C22.** Marcel Ionel POPA, Silvia PERNEVAN, Cecilia SÎRGHIE, Iuliana SPIRIDON, **Dorina CHAMBRE**, Dana Maria COPOLOVICI, Niculina POPA, Mechanical Properties and Weathering Behavior of Polypropylene-Hemp Shives Composites. *Journal of Chemistry*, Volume 2013, Article ID 343068, 8 pages; (F.I. 1,727), <http://dx.doi.org/10.1155/2013/343068>;
- C23.** **Dorina Rodica CHAMBRE**, Adina Maria BODESCU, Cecilia SÎRGHIE, Thermal decomposition of the oxo-diperoxo-molibdenum (VI)-potassium oxalate. *Journal of Thermal Analysis and Calorimetry*, (2013); *112(2)*:851-857; (F.I. 2,471), <http://doi-org-443.webvpn.fjmu.edu.cn/10.1007/s10973-012-2649-z>
- C24.** Maria Raluca SZABO, **Dorina CHAMBRE**, Cornelia IDI OIU, TG/DTG/DTA for the oxidation behavior characterization of vegetable and animal fats. *Journal of Thermal Analysis and Calorimetry*, (2012); *110(1)*:281-285; (F.I. 2,471), <https://doi.org/10.1007/s10973-012-2253-2>;
- C25.** Maria Raluca SZABO, Dana RADU, Simona GAVRILA , **Dorina CHAMBRE**, Cornelia IDIŢOIU, Antioxidant and antimicrobial properties of selected spice extracts. *International Journal of Food Properties*, (2010); *13(3)*:535-545; (F.I. 1,398), <https://doi.org/10.1080/10942910802713149>
- C26.** Dumitru CONDRAT, Florin CRI AN, Maria Raluca SZABO, **Dorina Rodica CHAMBRE**, Alfa Xenia LUPEA, Flavonoids in Angiospermatophyta and Spermatophyta species and their antioxidant activity. *REV. CHIM.(Bucharest)*, (2009); *60(11)*:1129-1134; (F.I. 1,605), <https://revistadechimie.ro/RCRevChimie.asp>;

C27. Dorina CHAMBRE, Maria Raluca SZABO, Cri an POPESCU, Cornelia IDI OIU, Heterogeneous soft acid catalysis of the sucrose hydrolysis. *Journal of Thermal Analysis and Calorimetry*, (2008); 94(2):417-420; (F.I. 2,471), <https://doi.org/10.1007/s10973-008-9147-3>;

C28. Gheorhe HUTIU, Dorina CHAMBRE, Studies concerning the Elimination of Cd and As from Retrievable Sn-Sb based Antifriction Alloys; *REV. CHIM.(Bucharest)*, (2008); 59(5):550-553; (F.I. 1,605), <https://revistadechimie.ro/RCRevChimie.asp>

C29. Maria Raluca SZABO, Cornelia IDI OIU, Dorina CHAMBRE, Alfa Xenia LUPEA, Antiradical activity evaluation of some plants used in the Romanian cuisine; *International Journal of Food Properties*, (2008); 11(2):330-338; (F.I. 1.398), <https://doi.org/10.1080/10942910701376402>;

C30. Maria Raluca SZABO, Cornelia IDIŢOIU, Dorina CHAMBRE, Alfa Xenia LUPEA, Improved DPPH Determination for Antioxidant Activity Spectrophotometric Assay; *Chemical Papaper*, (2007); 61(3):214-216; (F.I. 1,246), <https://doi.org/10.2478/s11696-007-0022-7>;

C31. Dorina CHAMBRE, Cornelia IDI OIU, Maria Raluca SZABO, The reaction conditions influence on sucrose acid hydrolysis studied by means of DSC method; *Journal of Thermal Analysis and Calorimetry*, (2007); 88(3):681-686; (F.I. 2,471), <https://doi.org/10.1007/s10973-006-8043-y>;

C32. Dorina CHAMBRE, Cornelia IDI OIU, Eugen SEGAL, Non-isothermal dehydration kinetics of acrylic ion-exchange resins; *Journal of Thermal Analysis and Calorimetry*, (2007); 88(3):673-679; (F.I. 2,471), <https://doi.org/10.1007/s10973-006-8042-z>

C33. Dorina CHAMBRE, Maria Raluca SZABO, Cornelia IDI OIU, DSC study of the sucrose hydrolysis kinetic on synthetic cationites 1. Carboxylic catalysts; *REV. CHIM.(Bucharest)*, (2006); 57(6):594-597; (F.I. 1,605), <https://revistadechimie.ro/Articles.asp?ID=1062>

C34. Dorina CHAMBRE, Cornelia IDI OIU, Eugen SEGAL, Attilio CESÀRO, The study of non-isothermal degrdation of acrylic ion-exchange resins; *Journal of Thermal Analysis and Calorimerty*, (2005); 82(3):803-811; (F.I. 2,471), <https://doi.org/10.1007/s10973-005-0967-0>;

C35. Dorina CHAMBRE, Cornelia IDIŢOIU, Petru BUDRUGEAC, Eugen SEGAL, Nonisothermal kinetic parameters of synthetic carboxylic cationites dehydration by means of isoconversional methods; *REV. CHIM.(Bucharest)*, (2005); 56(5):502-507; (F.I. 1,605), <https://revistadechimie.ro/Articles.asp?ID=645>;

C36. Cornelia IDIŢOIU, Cri an.POPESCU, Dorina CHAMBRE, Non-Isothermal Dehydration Kinetics of Some Cationites; *Journal of Thermal Analysis and Calorimerty*, (1999); 55(3):885-893; (F.I. 2,471), <https://doi.org/10.1023/A:1010142102614>;

C37. Cornelia IDIŢOIU, Eugen SEGAL, Dorina CHAMBREE, Kinetics of non-isothermal behavior of synthetic cationites with low acidity; *Journal of Thermal. Analysis and Calorimetry*, (1999); 56(1):407-417; (F.I. 2,471), <https://doi.org/10.1023/A:1010171222225>;

REVISTE INDEXATE BDI si ISI PROCEEDINGS

C38. Lorena Aliana Cioban, Mihaela DOCHIA, Claudia Mure an, Dorina Rodica CHAMBRE, “WEATHERING AND DETERIORATION OF CARBONATE STONES FROM HISTORICAL

MONUMENTS: A Review”, *Scien. Tech. Bull-Chem. Food Sci. Eng.*, Vol. 19 (XX), (2022);15-33, ISSN 1582-1021, e-ISSN 2668-4764, <https://uav.ro/jour/index.php/stb-cfse/article/view/1860/1787>

C39. Dorina Rodica CHAMBRE, Mihaela DOCHIA, “*FT-IR characterization of cellulose crystallinity from raw bast fiber*”, *Scien. Tech. Bull-Chem. Food Sci. Eng.*, Vol. 18 (XIX), (2021);10-17, ISSN 1582-1021, e-ISSN 2668-4764, <https://uav.ro/jour/index.php/stb-cfse/article/view/1731/1721>

C40. Dorina Rodica CHAMBRE, Mihaela DOCHIA, “*Pectin quantification from cellulosic/lignocellulosic raw materials by FT-IR ATR analysis*”, *Scien. Tech. Bull-Chem. Food Sci. Eng.*, Vol. 17 (XVIII), (2020); 20-25, ISSN 1582-1021 <https://www.uav.ro/jour/index.php/stb-cfse/article/view/1571/1630>

C41. Dorina Rodica CHAMBRE, Mihaela DOCHIA, “*Characterization of alkaline and enzymatically treated hemp fibres by FT-IR ATR spectroscopy*”, *Scien. and Techn. Bull. of Univ. “Aurel Vlaicu” Arad, Series. Chem, Food Science and Engineering*, (2018); Vol.15 (XVI):18-22, ISSN 1582-1021, <https://www.uav.ro/jour/index.php/stb-cfse/article/view/1348>

C42. Mihaela DOCHIA, Simona GAVRILA , Monica PUSTIANU, Cristian MOIS , **Dorina CHAMBRE**, “*Waste water analysis from a new green pretreatment of cotton fabrics*”, *Annals of the University of Oradea, fascicle of Textiles, Leatherwork*, (2018); Vol.XIX(2):37-43, ISSN1843–813X, <http://textile.webhost.uoradea.ro/Annals/Vol%20XIX-No%202-2018/Textile/Art.%20no.%20319-pag.%2037-42.pdf>;

C43. Claudia MURE AN, Anca Mihaela DICU, Virgil CIUTINA, **Dorina CHAMBRE**, Claudiu URSACHI, “*Quality characteristics and standards for sunflower oil from Arad agricultural area*”, *Bulletin UASVM Agriculture*, (2011); 68(2):357-361, Print ISSN 1843-5246; Electronic ISSN 1843-5386, DOI: <http://dx.doi.org/10.15835/buasvmcn-agr:6582>;

C44. Dumitru CONDRAT, **Dorina CHAMBREE**, Florian HARJA, Alfa Xenia LUPEA, Analysis of the thermal stability for the extra-virgin olive oil with or without added extract of *Solidago virga aurea*. *Analele Universitatii din Craiova-Biologie, Horticultura, Tehnologie Prelucrarii Produselor Agricole, Ingineria Mediului*, (2009); Vol.14:571-578, <https://journals.indexcopernicus.com/search/article?articleId=293186>;

C45. Dorina.**CHAMBRE**, Raluca Maria SZABO, Cornelia.IDIȚOIU, Eugen SEGAL, Non-isothermal study of some partially neutralized carboxylic cationites. *Annals of West University of Timisoara*, (2006); Nr.15(2):117-126, ISSN 1224-9513;

C46. **Dorina CHAMBRE**, Cornelia IDI OIU, Eugen SEGAL, Maria Raluca SZABO, Using DSC method to study the sucrose acid hydrolysis. *Annals of West University of Timisoara, Series Chemistry* , (2003); Vol.12(3), Part IV:1591-1598, ISSN 1224-9513;

C47. Claudia MURE AN, Anca Mihaela DICU, Raluca SZABO, **Dorina CHAMBRE**, “*Analysis of high oleic oil produced from sunflower grown in Arad area*”, 45-Croatian International Symposium on Agriculture, Opatija, Croatia, February 15-19, (2010); pg.859-863, ISBN 978-953-6331-79-6, http://sa.agr.hr/pdf/2010/sa2010_p0545.pdf

ISI PROCEEDINGS

C48. Cristian Moisa, Andreea Ioana Lupitu, Adriana Csakvari, Dana Radu, Dorina Chambre, Lucian Copolovici, Dana Maria Copolovici, Silver Nanoparticles Mediated by Natural Extracts Recovered from Wastes and By-Products, *Chem.Proc.*, (2022);7,7; <https://doi.org/10.3390/chemproc2022007007>, mdpi.com/journal/chemproc, ISSN 2673-4583

D. Lucrări publicate în reviste recunoscute (cu referenți), în volume de conferințe sau prezentate la congrese și conferințe de specialitate

REVISTE RECUNOSCUTE CU REFERENȚI

D1. Lucian Copolovici, Adriana Csakvari, Leonard Olariu, Georgeta Pop, Dorina Chambre, Dana Copolovici, “*THE CHARACTERISATION OF CANNABIS SATIVA LEAVES EXTRACTS AND THEIR SILVER NANOPARTICLES PRODUCTS FOR POTENTIAL BIOLOGICAL APPLICATIONS*”, Journal of Experimental & Molecular Biology, (2019); Vol. 20(3): p.31, ISSN 2601-6974, <http://www.jemb.bio.uaic.ro/index.php/jemb/issue/view/7/6>

D2. Dorina Rodica CHAMBRE, Cecilia SÎRGHIE, The influence of the nature and fatty acids content on the stability of the oils from technical plants seeds. *Scientific Bulletin of ESCORENA*, (2012); vol.6:11-20, ISSN 2066-5687,ISSN 2069-8070, https://riips.uav.ro/files/sbesc/SBEScorena_vol_6_2012.pdf,

D3. Daniela DIACONESCU, Dorina CHAMBRE, Ways to improve bread quality by enzyme use. *Scien. and Techn. Bull. of Univ. “Aurel Vlaicu” Arad, Series. Chem, Food Science and Engineering*, (2008); Vol. 13(XIV):125-128, ISSN 1582-1021;

D4. Dorina CHAMBRE, Maria Raluca SZABO, Simona GAVRILAS ,CORNELIA IDI OIU, Enzymatic analysis of glucose, fructose and saccharose mixture in food stuff, *Scien. and Techn. Bull. of Univ. “Aurel Vlaicu” Arad, Series. Chem, Food Science and Engineering*, (2007); Vol. 12(XIII):40-44, ISSN 1582-1021;

D5. Cornelia IDITOIU, Dorina CHAMBRE, Maria Raluca SZABO, Rodica SEGAL, Experimental study of enzymatic d-glucose to D-fructose isomerization. *Scien. and Techn. Bull. of Univ. “Aurel Vlaicu” Arad, Series. Chem, Food Science and Engineering*, (2007); Vol. 12(XIII):84-91, ISSN 1582-1021;

D6. Cornelia IDITOIU, Dorina CHAMBRE, Crisan POPESCU, Michaela Dina STANESCU, Laboratory procedure for obtaining high fructose syrups from comercial sucrose. *Scien. and Techn. Bull. of Univ. “Aurel Vlaicu” Arad, Series. Chem, Food Science and Engineering*, (2007); Vol. 12(XIII):131-136, ISSN 1582-1021;

D7. Maria-Raluca SZABO, Mihaela MESTER, Dorina CHAMBRE, Cornelia IDI OIU, Ionel JIANU, DPPH analysis for antioxidant effect of mint, bilberry and black tea, aqueous extracts, *Scien. and Techn. Bull. of Univ. “Aurel Vlaicu” Arad, Series. Chem, Food Science and Engineering*, (2006); Vol. 11(XII):117-121, ISSN 1582-1021;

D8. Maria-Raluca SZABO, Dorina CHAMBRE, Cornelia Idi oi, New method for the calculus of the antioxidant activity in the DPPH spectrophotometric assay. *Scien. and Techn. Bull. of Univ. “Aurel Vlaicu” Arad, Series. Chem, Food Science and Engineering*, (2006); Vol. 11(XII):122-125, ISSN 1582-1021;

D9. Dorina CHAMBRE, Cornelia IDITOIU, Maria Raluca SZABO, Thermal behaviour under non-isothermal conditions of some weak acid cationites in bi-ionic form ($H^+ \dots Na^+$), *Scien. and Techn. Bull. of Univ. “Aurel Vlaicu” Arad, Series. Chem, Food Science and Engineering*, (2005); Vol. 10(XI):37-44, ISSN 1582-1021;

D10. Michaela Dina STANESCU, Cornelia IDITOIU, Maria Raluca SZABO Dorina CHAMBRE, Enzymatic biodegradation of the coloured substances from wastes. *Scien. and Techn. Bull. of Univ. “Aurel Vlaicu” Arad, Series. Chem, Food Science and Engineering*, (2005); Vol. 10(XI):10-13, ISSN 1582-1021;

D11. Cornelia IDITOIU, **Dorina CHAMBRE** Maria Raluca SZABO Michaela Dina STANESCU, Fructose, a valuable natural sweetener for the consumer of the XXI century. *Scien. and Techn. Bull. of Univ. "Aurel Vlaicu" Arad, Series. Chem, Food Science and Engineering*, (2005); Vol. **10(XI)**:14-17, ISSN 1582-1021;

D12. Maria Raluca SZABO, Cornelia IDITOIU, **Dorina CHAMBRE**, Ambient medium influence on the food degradation kinetics. *Scien. and Techn. Bull. of Univ. "Aurel Vlaicu" Arad, Series. Chem, Food Science and Engineering*, (2004); Vol. **9(X)**: 71-76, ISSN 1582-1021;

D13. **Dorina CHAMBRE**, Cornelia IDITOIU, Maria Raluca SZABO, Kinetic estimation methods for nonisothermal dehydration of carboxylic cationites.

Scien. and Techn. Bull. of Univ. "Aurel Vlaicu" Arad, Series. Chem, Food Science and Engineering, (2004); Vol. **9(X)**: 19-26, ISSN 1582-1021;

D14. **Dorina CHAMBRE**, Cornelia IDITOIU, Maria Raluca SZABO, The catalyst properties influence on sucrose hydrolysis kinetic studied by means DSC method, *Scien. and Techn. Bull. of Univ. "Aurel Vlaicu" Arad, Series. Chem, Food Science and Engineering*, (2004); Vol. **9(X)**: 6-13, ISSN 1582-1021;

D15. Maria Raluca SZABO, Cornelia IDITOIU, **Dorina CHAMBRE**, Efectul temperaturii asupra model rii cinetice a degrad rii alimentelor, *Analele Univ. "Aurel Vlaicu" din Arad, Seria Chimie, Fascicola Inginerie Alimentar* , (2004):36-42, ISSN 1582-3415;

D16. Maria Raluca SZABO, Cornelia IDITOIU, **Dorina CHAMBRE**, Modelarea cinetic a degrad rii alimentelor în condi ii izoterme, *Analele Univ. "Aurel Vlaicu" din Arad, Seria Chimie, Fascicola Inginerie Alimentar* , (2004):30-35, ISSN 1582-3415;

D17. Maria Raluca SZABO, Cornelia IDITOIU, **Dorina CHAMBRE**, Trends in food antioxidants study. *Scien. and Techn. Bull. of Univ. "Aurel Vlaicu" Arad, Series. Chem, Food Science and Engineering*, (2003); Vol. **8(IX)**: 48-55, ISSN 1582-1021;

D18. Cornelia IDITOIU, Crisan POPESCU, **Dorina CHAMBRE**, Maria Raluca SZABO, Formal kinetics of catalytic reactions based on dimensionless variables. I. Premises and calculus possibilities. *Scien. and Techn. Bull. of Univ. "Aurel Vlaicu" Arad, Series. Chem, Food Science and Engineering*, (2003); Vol. **8(IX)**: 1-5, ISSN 1582-1021;

D19. Cornelia IDITOIU, Crisan POPESCU, **Dorina CHAMBRE**, Maria Raluca SZABO, Formal kinetics of catalytic reactions based on dimensionless variables. II. Methods for the determination of the reaction order "n". *Scien. and Techn. Bull. of Univ. "Aurel Vlaicu" Arad, Series. Chem, Food Science and Engineering*, (2003); Vol. **8(IX)**: 6-10, ISSN 1582-1021;

D20. **Dorina CHAMBRE**, Cornelia IDITOIU, Eugen SEGAL, Maria Raluca SZABO, The calorimetrical study of the sucrose hydrolysis heterogenising. *Scien. and Techn. Bull. of Univ. "Aurel Vlaicu" Arad, Series. Chem, Food Science and Engineering*, (2003); Vol. **8(IX)**: 11-17, ISSN 1582-1021;

D21. Maria Raluca SZABO, Cornelia IDITOIU, Alfa-Xenia LUPEA, **Dorina CHAMBRE**, Chemical aspects of the aliments oxidative degradation. *Scien. and Techn. Bull. of Univ. "Aurel Vlaicu" Arad, Series. Chem, Food Science and Engineering*, (2002); Vol. **7(VIII)**: 60-64, ISSN 1582-1021;

D22. **Dorina CHAMBRE**, Cornelia IDITOIU, Maria Raluca SZABO, Non.isothermal methods for the food catalyst analysis. *Scien. and Techn. Bull. of Univ. "Aurel Vlaicu" Arad, Series. Chem, Food Science and Engineering*, (2002); Vol. **7(VIII)**: 23-28, ISSN 1582-1021;

D23. Maria Raluca SZABO, Cornelia IDITOIU, **Dorina CHAMBRE**, Cercet ri QSAR privind toxicitatea fenolilor halogenati, *Analele Univ. "Aurel Vlaicu" din Arad, Seria Chimie, Fascicola Chimie i Protec ia Mediului*, (2002):180-187, ISSN 1582-3415;

D24. **Dorina CHAMBRE**, Cornelia IDITOIU, Maria Raluca SZABO, Calorimetric technics for the food products investigation, *Analele Univ. "Aurel Vlaicu" din Arad, Seria Chimie, Fascicola Chimie i Protec ia Mediului*, (2002):23-30, ISSN 1582-3415;

D25. Cornelia IDITOIU, **Dorina CHAMBRE**, Cristian DANCULESCU, Maria Raluca SZABO, Thermal behaviour of some catalists for food indusry. 1. Main characteristics of nonisothermal decomposition for the investigated catalists. *Scien. and Techn. Bull. of Univ. "Aurel Vlaicu" Arad, Series. Chem, Food Science and Engineering*, (2001); Vol. 6(VII): 18-21, ISSN 1582-1021;

D26. Cornelia IDITOIU, **Dorina CHAMBRE**, Cristian DANCULESCU, Maria Raluca SZABO, Thermal behaviour of some catalists for food industry.2. The influence of experimental parameters upon the dehydration kinetics. *Scien. and Techn. Bull. of Univ. "Aurel Vlaicu" Arad, Series. Chem, Food Science and Engineering*, (2001); Vol. 6(VII): 22-28, ISSN 1582-1021;

D27. Cornelia IDITOIU, **Dorina CHAMBRE**, Maria Raluca SZABO, Principii fizico-chimice aplicate la concentrarea i congelarea sucurilor de fructe. I.Compozi ia chimic i densitatea. *Analele Universit ii "Aurel Vlaicu" Arad, Seria Chimie, Fascicola: Inginerie Alimentar* , (2000): 79-86, ISSN 1582-3415;

D28. Cornelia IDITOIU, **Dorina CHAMBRE**, Maria Raluca SZABO, Non-isothermal behaviour of some carboxilic cationites. . *Scien. and Techn. Bull. of Univ. "Aurel Vlaicu" Arad, Series. Chem, Food Science and Engineering*, (2000); Vol. 5(VI): 1-6, ISSN 1582-1021;

D29. Cornelia IDITOIU, Ladislau KLEIN, **Dorina CHAMBRE**, Consideratii privind importanta i evolu ia reac iilor aplicate de oxidare catalitic .II.Produse chimice de sintez fin i mic tonaj, *Analele Universit ii "Eftimie Murgu" Re ia*, (1996); Fascicola I, Anul III:183-190;

D30. Cornelia IDITOIU, **Dorina CHAMBRE**, The importance of water activity and pH in fruit juice processing, *Scien. and Techn. Bull. of Univ. "Aurel Vlaicu" Arad, Series. zero (mixta)*, (1995); Vol. 1:9-13, ISSN 1223-9917;

D31. Cornelia IDITOIU, **Dorina CHAMBRE**, Theoretical aspects of dyeing equilibrium.I.Dyes affinity and solution dyes activity, *Scien. and Techn. Bull. of Univ. "Aurel Vlaicu" Arad, Series. zero (mixta)*, (1995); Vol. 1:5-8, ISSN 1223-9917;

D32. Teodor-Radu REDAC, Cornelia IDITOIU, **Dorina CHAMBRE**, Ion. RADU, Thermogravimetical aspects concerning a ceramical compound in the 1-2-3 class. *Scien. and Techn. Bull. of Univ. "Aurel Vlaicu" Arad, Series. zero (mixta)*, (1995); Vol. 1:21-24, ISSN 1223-9917;

D33. Cornelia IDITOIU, **Dorina CHAMBRE**, Desulfonarea neizoterm a unor cationi i. I. Dependen a parametrilor cinetici de cei experimentali, *Analele Universit ii "C.Brâncu i", Tg. Jiu Seria A 2/(1995):269-272*;

Volume de conferințe naționale și internaționale

D34. Maria Raluca SZABO, Monica ZDREMTAN, **Dorina CHAMBRE**, Cornelia IDITOIU, Studies on the stability at temperature and pH variations for the orange peel alcoholic extract, *Papers of the International Symposium Euro-aliment*, Galati, (2007):83-85, ISSN 1843-5114;

D35. Maria Raluca SZABO, Cornelia IDITOIU, Nicolae DINCĂ, **Dorina CHAMBRE**, Antioxidant activity analysis of some biocolloids from plants, *VIII SCCS2005 Proceedings 8th Symposium of Colloid and Surface Chemistry*, Galați, (2005):40-43, ISBN 973-8316-84-7;

D36. Cornelia IDITOIU, Petre POPA, Dorina CHAMBRE, Posibilități de aplicare a tehnicilor de membrană pentru recuperarea componentelor labile din industria alimentară, *Zilele Academice Timișoara, Ed.VI, Ingineria Protecției și Depoluării Mediului*, 27-28 mai, (1999):13-23, ISBN 973-585-303-5;

D37. Cornelia IDITOIU, Eugen SEGAL, **Dorina CHAMBRE**, Studiul comportării termice a unor cationi în regim dinamic. 5. Cationi sintetici nesulfonici, *Lucrările Sesiunii de Comunicări științifice ale Universității "Aurel Vlaicu" Arad, Ediția IV-a "25 de ani de Învățământ Superior Ardean"*, Arad, 30-31 Oct (1997), **Vol. III**:119-125, ISBN 973-98365-0-X, 973-98365-3-4

D38. **Dorina CHAMBRE**, Cornelia IDITOIU, Heterogenizarea catalizei acide la hidroliza zaharozei, *Proceedings of the Scientific Communications Meeting of "Aurel Vlaicu" University, Third Edition*, Arad, 25 May (1996); **Vol.10**:54-57, ISBN 973-97708-0-0;

D39. Ladislau KLEIN, **Dorina CHAMBRE**, Metode fizico-chimice în analiza compușilor organici, *Proceedings of the Scientific Communications Meeting of "Aurel Vlaicu" University, Third Edition*, Arad, 25 May (1996); **Vol.10**:104-109, ISBN 973-97708-0-0;

D40. Radu Teodor REDAC, Ioan POP, **Dorina CHAMBRE**, Gheorghe BORODI, Influența adaosurilor mici de galiu în compusul supraconductor $Y_{1-x}Ga_xBa_2Cu_3O_{7-\delta}$, *Lucrările Sesiunii de Comunicări științifice "Realizări tehnice și culturale- științifice pe meleaguri ardeene"*, *Profil: Chimie și Fizică*, Universitatea "Aurel Vlaicu" Arad, 5-6 mai (1994); **Vol III**: 273-276;

D41. Cornelia IDITOIU, Crisana POPESCU, **Dorina CHAMBRE**, Cinetica neizotermică a deshidratării unor cationi, *Lucrările Sesiunii de Comunicări științifice "Realizări tehnice și culturale- științifice pe meleaguri ardeene"*, *Profil: Chimie și Fizică*, Universitatea "Aurel Vlaicu" Arad, 5-6 mai (1994); **Vol III**:63-69;

D42. Radu Teodor REDAC, Cornelia IDITOIU, Gheorghe ILONCA, **Dorina CHAMBRE**, Modificări compoziționale proprii în compușii ceramici supraconductori $Yb_{1-x}Ga_xBa_2Cu_3O_{7-\delta}$. *Lucrările Sesiunii de Comunicări științifice "Realizări tehnice și culturale- științifice pe meleaguri ardeene"*, *Profil: Chimie și Fizică*, Universitatea "Aurel Vlaicu" Arad, 5-6 mai (1994); **Vol III**:267-272;

D43. Cornelia IDITOIU, Delia RESIGA, **Dorina CHAMBRE**, Analiza prin cromatografie de gaze a amestecurilor complexe rezultate în etapa de oxidare catalitică a procesului Witten, *Lucrările Sesiunii de Comunicări științifice*, Universitatea "Aurel Vlaicu" din Arad, 4-5 mai (1992); **Vol.II**:88-98;

Lucrări prezentate la congrese și conferințe de specialitate

D.44 Lorena Aliana Cioban, Alexandru Bogdan, Lucian Copolovici, Dana Copolovici, Dorina Chambre, *FTIR-ATR SPECTRAL ANALYSIS OF MEDIEVAL BRICKS*, PhD Students' Days, Faculty of Food Engineering, Tourism and Environmental protection, "Aurel Vlaicu" University of Arad, The IVth Edition, 23-24 May, 2024, Arad

D45. Lorena Aliana Cioban, Cristian Moisa, Mihaela Dochia, Claudia Mure an, Dorina Rodica Chambre, *CHARACTERIZATION OF LIMESTONE WEATHERING COMPOUNDS FROM A HISTORICAL WALL FROM ARAD BY FTIR AND TG/DTA METHODS*, ENVIRONMENT & PROGRESS – 18 – 19 Mai 2023, Cluj-Napoca, România, https://enviro.ubbcluj.ro/wp-content/uploads/2023/04/Agenda_EnvProg-2023-1.pdf

D46. Lorena Aliana Cioban, Cristian Moisa, Mihaela Dochia, Claudia Mure an, Dorina Chambre, *SPECTROPHOTOMETRIC CHARACTERIZATION OF THE LIMESTONE'S "BLACK PATINA"*, PhD Students' Days, Faculty of Food Engineering, Tourism and Environmental protection, "Aurel Vlaicu" University of Arad, The Third Edition, May, 2023, Arad

D47. Dana-Maria Copolovici, Andreea Gost viceanu, Dana Gina Radu, Cristian Moisa, Andreea Lupitu, Simona Gavrilă, Dorina Chambre, Claudia Mure an, Alina Zamfir, Lucian Copolovici, *ANTIMICROBIAL PEPTIDES AND THEIR POTENTIAL IN BIOMEDICAL APPLICATION*, 15th Edition of the Conference "New Trends in Chemistry Research", September, 21-22, 2023, Timisoara, ROMANIA, <https://www.newtrends-timisoara.ro>

D48. Lucian Copolovici, Dana Gina Radu, Cristian Moisa, Andreea Ioana Lupitu, Andreea Gost viceanu, Dorina Chambre, Simona Gavrilă, Dana Maria Copolovici, *ANTIMICROBIAL PEPTIDES WITH APPLICATIONS IN MEDICINE*, Sorrento 2013 – Sorrento 2023: A Decade of Peptide Materials, 26-28th October 2023, Sorrento, Italy. <https://www.peptidematerialssorrento.org/>

D49. Dana Copolovici, Carmen Popa, Andreea Lupitu, Marilena Maereanu, **Dorina Chambre**, Cristian Moisa, Lucian Copolovici, *ENZYMATIC FISH PROTEIN HYDROLYSATES*, International Conference on Agriculture for Life, Life for Agriculture, 2-4 June 2022, Bucharest <http://www.agro-bucuresti.ro/evenimente/400-agriculture-for-life-life-for-agriculture-2022>

D50. Mihaela Tociu, **Dorina Rodica Chambre**, Michaela Dina Stanescu, *HIGHLIGHTING THE PRESENCE OF ANTIOXIDANTS IN THE PRODUCTS OBTAINED BY THE VALORIZATION OF GRAPE SEEDS*, A XXXVI-a Conferința Națională de Chimie – CNChim-2022, 4-7 octombrie 2022, Calimanești-Caciulata, Romania <https://chimcomplex.com/cnchim-2022/>

D51. Ana-Maria TOLOS, Carmen POPA, Cristian MOISA, Andreea Ioana LUPITU, Mihaela DOCHIA, **Dorina CHAMBRE**, Dana G. RADU, Lucian COPOLOVICI, Dana Maria COPOLOVICI, *MECHANISMS AND APPLICATIONS OF CELL-PENETRATING PEPTIDES*, The International Conference and XXXIX Scientific Session of The Romanian Society for Cell Biology, 21-23 Octombrie 2022, Cluj-Napoca, Romania. <https://news.ubbcluj.ro/event/conferinta-internationala-de-biologie-celulara-la-ubb/>

D52.Cristian Moisa, Andreea I. Lupitu, **Dorina Chambre**, Lucian Copolovici, Dana Maria Copolovici, *SYNTHESIS OF GOLD NANOPARTICLES FROM LAVENDER BIOMASS AS A SUSTAINABLE RESOURCE*, The XVIIIth International Symposium PRIOCHEM “Priorities of Chemistry for a Sustainable Development”, October 26-28, 2022, Bucharest

<https://icechim.ro/wp-content/uploads/summary2022-BoA.pdf>

D53.Cristina Popa, Cristian Moisa, Andreea Lupitu, **Dorina Chambre**, Lucian Copolovici, Dana Copolovici, *GOLD NANOPARTICLES SYNTHESIS FROM LAVENDER BIOMASS AS A SUSTAINABLE RESOURCE*, PhD Students’ Days, Faculty of Food Engineering, Tourism and Environmental protection, “Aurel Vlaicu” University of Arad, The Second Edition, November 25, 2022, Arad

<https://cdn.uav.ro/documente-fiatpm/Manifestari/Ses-Com-Stud-Nov-2022-2023/Program-PhD-Students-Days-2022-DC.pdf>

D54.Lorena Aliana Cioban, **Dorina Rodica Chambre**, *THE VULNERABILITY OF LIMESTONE AND MARBLE FROM HERITAGE STRUCTURES TO THE ACTION OF ACID PRECIPITATION*, PhD Students’ Days, Faculty of Food Engineering, Tourism and Environmental protection, “Aurel Vlaicu” University of Arad, The Second Edition, November 25, 2022, Arad

<https://cdn.uav.ro/documente-fiatpm/Manifestari/Ses-Com-Stud-Nov-2022-2023/Program-PhD-Students-Days-2022-DC.pdf>

D55. Cristian Moisa, Adriana Csakvari, Dana Radu, Andreea Lupitu, Leonard Olariu, Georgeta Pop, **Dorina Chambre**, Lucian Copolovici, Dana Maria Copolovici, Cannabis sativa Leaves Extracts Mediated the Obtaining of Silver Nanoparticles Products for Potential Biological Applications, Webinar on “Traditional & Alternative Medicine”, May 24-25, **2021**, Greenville, USA,

<https://crgconferences.com/traditional-medicine/2021/>

D56. Dana Copolovici, Silvia Elena Lavinia Mo , Andreea Lupitu, Cristian Moisa, Maria Daniela Mo , Adina Maria Bodescu, **Dorina Chambre**, Lucian Copolovici, Applications of plant extracts, Agriculture for Life, Life for Agriculture, June 3-4, **2021**, Bucharest, Romania,.

<http://www.agro-bucuresti.ro/evenim/339-agriculture-for-life-life-for-agriculture-2021>

D57. Poster Cristian Moisa, Andreea I. Lupitu, Adriana Csakvari, Dana Radu, Dorina Chambre, Lucian Copolovici, Dana Maria Copolovici, Silver nanoparticles mediated by natural extracts recovered from wastes and by-products, Poster-74, XVIIth International Symposium PRIOCHEM 2021, Section: 3. Chemical engineering, Environmental and Cultural Heritage Protection, 27-29 octombrie **2021**, Bucuresti, Romania

<https://icechim.ro/wp-content/uploads/summary2021-BoA.pdf>

<https://icechim.ro/en/institute/priochem-en/>

D58. Cristian Moisa, Andreea I. Lupitu, Adriana Csakvari, Dana Radu, **Dorina Chambre**, Lucian Copolovici, Dana Maria Copolovici, Silver Nanoparticles Products for Potential Biological Applications, The 13rd Edition of New Trends and Strategies in the Chemistry of Advanced Materials in Biological Systems, Technique and Environmental Protection, 7-8 Octombrie **2021**, Timi oara, Romania, <https://ntcr-2021.ro/>

D59. Cristian Moisa, Andreea Lupitu, Adriana Csakvari, Dana G. Radu, Leonard Marian Olariu, Georgeta Pop, **Dorina CHAMBRE**, Lucian Copolovici, Dana Copolovici, Green Synthesis of Silver Nanoparticles Mediated by Plant by-Product Extracts, *ICBN 2021 : 23rd International Conference on Biophotonics and Nanotechnology* , January, 21-22, **2021**, Amsterdam, The Netherlands;

D60 Mihaela DOCHIA, **Dorina CHAMBRE**, Simona GAVRILA , Iolanda TOLAN, Gabriela ONOFREI, Characterization of the enzymatically pretreated cellulosic/ lignocellulosic woven fabric by FT-IR ATR and TR/DTG analysis, *8th International Symposium Research and Education in an Innovation Era*, ISREIE 2019, Mai **2019**; Arad, Romania; <https://main.uav.ro/en/conferences/isreie-2019/conference-programme>;

D60. **Dorina CHAMBRE**, Mihaela DOCHIA, Simona GAVRILA , Iolanda TOLAN, Gabriela ONOFREI, Quantification of residual pectin from bioscoured hemp/cotton fabric By FT-IR ATR analysis , *8th International Symposium Research and Education in an Innovation Era*, ISREIE 2019, Mai **2019**; Arad, Romania; <https://main.uav.ro/en/conferences/isreie-2019/conference-programme>;

D61. Lucian COPOLOVICI, Adriana CSAKVARI, Leonard Marian OLARIU, Georgeta POP, **Dorina CHAMBRE**, Dana COPOLOVICI, The characterisation of *CANNABIS SATIVA* leaves extracts and their silver nanoparticles products for potential biological application. *Annual International Conference of the Romanian Society of Biochemistry and Molecular Biology*, 27 Septembrie **2019**, Iasi, Romania; <http://www.bio.uaic.ro/srbbm/2019/>;

D62. Florentina-Daniela Munteanu, Lucian Copolovici, Simona Gavrilă , Andrea-Raluca Șrșan, Loredana-Nicoleta Lazăr, Cristian Moisa, Dorina Chambre, Dana-Maria Copolovici, New approaches for keratin extraction from sheep's wool, *2nd ICGEB Workshop "Modern Biotechnological Advances for Human Health – BAHH*, May 28-31, **2019**, Bucharest, Romania;

D63. **Dorina CHAMBRE**, Mihaela DOCHIA, Cecilia ȘÎRGHIE, Iolanda TOLAN, Gabriela ONOFREI, Thermal and FT - IR analysis of bioscoured cellulosic fabrics. *7th International Symposium Research and Education in an Innovation Era*, 17-20 Mai **2018**; Arad, Romania;

D64. Mihaela DOCHIA, Simona GAVRILA , Monica.PUSTIANU, **Dorina CHAMBRE**, Cecilia ȘÎRGHIE, Physico-mechanical properties of the cotton/flax blended fabrics after a green scouring treatment., *7th International Symposium Research and Education in an Innovation Era*, 17-20 Mai **2018**; Arad, Romania;

D65. Mihaela DOCHIA **Dorina CHAMBRE** Simona GAVRILA ; Monica PUSTIANU Iolanda TOLAN, Gabriela ONOFREI, Experimental conditions influence on the thermal behaviour of cotton-flax fabrics after an eco-friendly pretreatment. *7th International Symposium Research and Education in an Innovation Era*, 17-20 Mai **2018** Arad, Romania;

D66. Dochia Mihaela, Gavrilă Simona, Pustianu Monica, Mois Cristian, Chambre Dorina, Waste water analysis from a new green pretreatment of cotton fabrics, „*Innovative solutions for sustainable development of textiles and leather industry*”, 25th-26th of May **2018**, Oradea, Romania, (poster).

D67. Dana Maria Copolovici, Dorina Chambre, Diana Nicoleta Raba, Ionela Alina Ciurel, Camelia Moldovan, Lucian Octav Copolovici, Studies regarding the composition and thermooxidative stability of the oil extracted from arabica coffee beans at different temperatures, *The 17th International Symposium Prospects for 3rd Millennium Agriculture*, 27th – 29th September, **2018**, Cluj-Napoca, Romania

D68. Mihaela DOCHIA, Simona GAVRILA , Monica PUSTIANU, Daniel TOMESCU, **Dorina CHAMBRE**, Influence of the ultrasound on the thermal behaviour of flax-cotton fabrics during the bioscouring treatment, *CEEC-TAC4-4th Central and Eastern European Conference on Thermal Analysis and Calorimetry*, 28-31 August **2017**, Chișinău, Republica Moldova;

D69. Simona GAVRILA , Mihaela DOCHIA, Monica PUSTIANU, Cristian MOIS , **Dorina CHAMBRE**, Influence of the bioscouring complexing agents on the thermal degradation of cotton fabrics. *CEEC-TAC4-4th Central and Eastern European Conference on Thermal Analysis and Calorimetry*, 28-31 August **2017**, Chi in u, Republica Moldova;

D70. Dorina **CHAMBRE**, Adina-Maria BODESCU, Cecilia SIRGHIE, Iolanda TOLAN, Petru BUDRUGEAC, Non-isothermal decomposition kinetics of oxo-diperoxo-molybdenum (VI)-potassium oxalate. *International Symposium Research and Education in Innovation Era, 6th Edition*, 8-10 Decembrie **2016**, Arad, Romania;

D71. **Dorina CHAMBRE**, Iolanda TOLAN, Adriana Gabriela ONOFREI, the study of the antioxidant addition influence on fats THERMO-oxidative stability by using TG/DTG/DTA DATA, *International Symposium Research and Education in Innovation Era, 6th Edition*, 8-10 Decembrie **2016**, Arad, Romania;

D72. Simona GAVRILA , **Dorina Rodica CHAMBRE**, Dana Maria COPOLOVICI, Michaela Dina STANESCU, Non-isothermal degradation of *Trametes pubescens* laccase immobilized on PVA cryogel carrier. *25th Symposium on Thermal Analysis and Calorimetry –Eugen Segal*, 15 Aprilie **2016**, Academia Romana, Bucuresti, Romania;

D73. **Dorina CHAMBRE**, Adina-Maria BODESCU, Cecilia SIRGHIE, Petru BUDRUGEAC, Non-isothermal behaviour and kinetics of POM, Non-isothermal behaviour and kinetics of POM, *25th Symposium on Thermal Analysis and Calorimetry –Eugen Segal*, 15 Aprilie **2016**, Academia Romana, Bucuresti, Romania

D74. **Dorina CHAMBRE**, Adina-Maria BODESCU, Cecilia SIRGHIE, Thermal stability of the crude oils from technical plants seeds. *1-st Central and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC1)*, 7-10 Septembrie **2011**, Craiova, Romania, Book of Abstracts, ISBN: 978-606-11-1893-9;

D75. Adina-Maria BODESCU, **Dorina CHAMBRE**, Cecilia SIRGHIE, TG/DTG to monitor the lignin content from flax fibers treated with peroxo complexes of molybdenum (VI), *1-st Central and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC1)*, 7-10 Septembrie **2011**, Craiova, Romania, Book of Abstracts; ISBN: 978-606-11-1893-9;

D76. Michaela Dina STANESCU, **Dorina CHAMBRE**, Simona GAVRILAS, Adina BODESCU, Thermal behaviour of biomaterials based on cryogel PVA, *7th International Conference of Chemical Societies from South-East European Countries on “Chemistry – Beauty and Application”*, 15-17 Septembrie **2010**, Bucharest, Romania;

D77. **Dorina CHAMBRE**, Dumitru CONDRAT, Simona GAVRILAS, Daniela DIACONESCU, Cornelia IDI OIU, Estimation methods of the non-isothermal kinetic parameters for degradation processes of natural fibers. Review. *FAO ESCORENA International Conference*, Mai **2009** Arad, Romania;

D78. **Dorina CHAMBRE**, Cornelia IDI OIU, Crisan POPESCU, Eugen SEGAL, Dehydration kinetics of acrylic cationites using TG methods, *Lucr rile celui de al 18-lea Simpozion Anual de Comunic ri Stiin ifice a Comisiei de Analiz Termic i Calorimetrie al Academiei Române*, 12 Februarie, **2009**, Bucuresti, Romania;

D79. Cornelia IDI OIU, **Dorina CHAMBRE**, Maria-Raluca SZABO, Heterogenising soft acid catalysis of the sucrose hydrolysis, *Lucr rile celui de al 17-lea Simpozion Anual de Comunic ri*

Stiin ifice a Comisiei de Analiz Termic i Calorimetrie al Academiei Române, 9 Februarie **2008**, Bucuresti, Romania;

D80. Dorina CHAMBRE, Maria Raluca SZABO, Heterogenising soft acid catalysis of the sucrose hydrolysis, Cornelia Idi oi, *41th IUPAC World Chemistry Congress*, 5- 11 August **2007**, Torino , Italy, Book of Abstract, ISSN 1463-209-8

D81. Dorina CHAMBRE, Cornelia IDITOIU, Raluca Maria SZABO, Eugen SEGAL, Studiul DSC al cineticii hidrolizei zaharozei pe cationiti sintetici.I. Catalizatori carboxilici”, *Lucr rile celui de al 15-lea Simpozion Anual de Comunic ri Stiin ifice a Comisiei de Analiz Termic i Calorimetrie al Academiei Române*, 18 Februarie, **2006**, Bucuresti, Romania;

D82. Dorina CHAMBRE, Cornelia IDI OIU, EUGE SEGAL, Non – isothermal dehydration kinetics of some acrylic ion-exchange resins”, *9th European Symposium on Thermal Analysis and Calorimetry*, 27-31 August **2006**, Krakow, Poland;

D83. Dorina CHAMBRE, Cornelia IDI OIU, Maria-Raluca SZABO, The reaction conditions influence on sucrose acid hydrolysis studied by means of DSC method, *9th European Symposium on Thermal Analysis and Calorimetry*, 27-31 August **2006**, Krakow, Poland;

D84. Dorina CHAMBRE, Cornelia .IDITOIU, Crisan .POPESCU, Functionalised co-poymers in wet finishing and dyeing processes. I. Thermal behaviour under dynamic conditions, *ATC05 Proceedings, 32nd Aachen Textile Conference*, 23-24 Noiembrie **2005**, Aachen, Germania, DWI Reports vol.129, **2005**, ISSN 0942-301X;

D85. Dorina CHAMBRE, Cornelia IDI OIU, Eugen SEGAL, Influen a propriet ilor catalizatorilor asupra cineticii aparente a reac iei de hidroliz a zaharozei investigate prin DSC, *Lucr rile celui de al 14-lea Simpozion Anual de Comunic ri Stiin ifice a Comisiei de Analiz Termic i Calorimetrie al Academiei Române*, 17 Februarie, **2005**, Bucuresti, Romania

D86. Dorina CHAMBRE, Cornelia IDI OIU, Petru .BUDRUGEAC, Eugen SEGAL, Evaluarea parametrilor cinetici neizoterme ai deshidrat rii cationi ilor sintetici carboxilici prin metode izoconversionale, *Lucr rile celui de al 13-lea Simpozion Anual de Comunic ri Stiin ifice a Comisiei de Analiz Termic i Calorimetrie al Academiei Române*, 19 Februarie **2004**, Bucuresti, Romania;

D87. Dorina CHAMBRE, Cornelia IDI OIU, Eugen SEGAL, Raluca-Maria SZABO, Using DSC method to study the sucrose acid hydrolysis. *11th Physical Chemistry Conference with International Participation, ROMPHYSICHEM 11*, 2-5 Septembrie **2003**, Timisoara, Romania;

D88. Dorina CHAMBRE, Cornelia IDITOIU, Eugen SEGAL, Attilio CESARO, Studiul comport rii neizoterme a cationi ilor acrilici, *Lucr rile celui de al 10-lea Simpozion Anual de Comunic ri Stiin ifice a Comisiei de Analiz Termic i Calorimetrie al Academiei Române*, 20 Februarie **2001**, Bucuresti, Romania;

D90. Dorina CHAMBRE, Cornelia IDITOIU, Maria Raluca SILADI, Calorimetric technics for the food products investigation, *Sesiunea de Comunic ri tiin ifice “Zilele Academice Timisene”*, Academia Român , Filiala Timisoara, Ed.VII, 24-25Mai **2001**, Timisoara, Romania;

D91. Cornelia IDITOIU, **Dorina CHAMBRE**, Crisan POPESCU, Kinetical aspects of water non-isothermal desorption from polystyrene divinil benzen - sulfonic cationites, *The 10th Conference on Physical Chemisry*, 26-29 Septembrie , **2000**, Ia i, Romania;

D92. Dorina CHAMBRE, Cornelia IDITOIU, Eugen SEGAL, Dynamic thermal behaviour of some Purolite carboxilic cationites, *The 10th Conference on Physical Chemisry*, 26-29 Septembrie **2000**, Ia i, Romania;

D93. Dorina CHAMBRE, Cornelia IDI OIU, Raluca-Maria SILADI, Utilizarea cationilor de tip PUROLITE pentru îmbunătățirea în componente utile a apelor reziduale din industria zahărului, *Sesiunea de Comunicări Științifice "Zilele Academice Timișene*, Ed.a VI-a, 27-28 Mai **1999**, Timișoara, Romania;

D94. Cornelia IDI OIU, **Dorina CHAMBRE**, Crisan POPESCU, Cercetări privind comportarea termică în regim neizoterm a unor cationi nesulfonați, *Lucrările celui de al 7-lea Simpozion Anual de Comunicări Științifice a Comisiei de Analiză Termică și Calorimetrie al Academiei Române*, 20 Februarie **1998**, București, Romania;

D95. Dorina CHAMBRE, Cornelia IDITOIU, Eugen SEGAL, Non-isothermal behavior kinetics of synthetic cationites with low acidity, *7-th European Symposium on Thermal Analysis and Calorimetry ESTAC -7*, 30 august-4septembrie **1998**, Balatonfüred, Ungaria;

D96. Dorina CHAMBRE, Cornelia IDITOIU, Eugen SEGAL, Comportarea termică în regim dinamic a unor cationi sintetici slab acizi, *Sesiunea de Comunicări Științifice "Zilele Academice Timișene*, Ed.V-a, 22-24 Mai **1997**, Timișoara, Romania.

D97. Cornelia IDI OIU, **Dorina CHAMBRE**, Desulfonarea neizotermă a unor cationi i. I. Dependența parametrilor cinetici de cei experimentali, *Lucrările celui de al 5-lea Simpozion Anual de Comunicări Științifice a Comisiei de Analiză Termică și Calorimetrie al Academiei Române*, 22 Februarie **1996**, București, Romania;

D98. Cornelia IDI OIU, **Dorina CHAMBRE**, Crisan POPESCU, Analiza termică a unor cationi i, *Lucrările celui de al 5-lea Simpozion Anual de Comunicări Științifice a Comisiei de Analiză Termică și Calorimetrie al Academiei Române* 22 Februarie, **1996**, București, Romania;

D99. Dorina CHAMBRE, Cornelia IDI OIU, Crisan POPESCU, Cinetica neizotermă a desulfonării unor cationi sintetici, *A VII -a Conferința de Chimie -Fizică*, Septembrie **1994**, București, Romania;

D100. Cornelia IDI OIU, Crisan POPESCU, **Dorina CHAMBRE**, Cinetica neizotermă a deshidratării unor cationi i, *Lucrările celui de al 3-lea Simpozion Anual de Comunicări Științifice a Comisiei de Analiză Termică și Calorimetrie al Academiei Române*, 20 Februarie **1994**, București, Romania;

F. Contracte de cercetare în întreaga activitate

<p>Responsabil proiect</p>	<p>F1. Proiect bilateral româno-italian “BIOSUN–ROMITALIA”, cod proiect Nr.4/2005; Parteneri: Universitatea ”Aurel Vlaicu” din Arad, România; Agen ia de Consultan Agricol , Oficiul Jude ean de Consultan Agricol , Arad, România; S.C. Di Betta General Contract, Arad, România; Universitatea de Studii din Udine, Italia; responsabil proiect pentru România; Perioada de desf urare: 2005-2007; Valoare total : 50.000 euro; Valoare UAV: 35.000 lei finanțat în urma câștigării locului I la competiția START CUP INTERNATIONAL IDEA Udine, 6 iulie 2005;</p>
	<p>F2. “BASTEURES-Plantele liberiene-resurse energetice strategice pentru economia Europerana”, POS-CCE nr.210/2010, ID contract - 679, finanțat prin Programul Opera ional Sectorial Cre terea Competitivit ii Economice, Axa prioritar 2 - Competitivitate prin CDI, Opera iunea 2.1.2: "Proiecte CD de înalt nivel tiin ific la care vor participa speciali ti din str in tate", beneficiar Universitatea ”Aurel Vlaicu” din Arad, I.C.D.I.S.T.N., responsabil pachet lucru III (2010-2012) și responsabil științific proiect în 2013, Perioada de desf urare: 2010-2013; Valoare total : 6 842 915 lei.</p>
<p>Membru în echipa de cercetare</p>	<p>F3.Contract de cercetare ”<i>Studiu privind influența procesării asupra caracteristicilor fizico-chimice a uleiurilor din rapiță și floarea-soarelui si optimizarea tehnologiilor de procesare și dezvoltarea de produse alimentare funcționale:</i> studiu interdisciplinar’ Perioada de desf urare: 20.09.2023-20.09.2025; Valoare total : 51000 LEI;</p> <p>F4. “Cell-penetrating peptides-containing systems as a potential platform for the use in breast and prostate cancer treatment, CPPS Cancer”, PN-III-P4-PCE-2021-0639; Proiect finanțat de UEFISCDI, https://cpps-cancer.uav.ro/ Perioada de desf urare: 2023-2026; Valoare total : 1.199.998 LEI;</p> <p>F5. “Impactul stresului abiotic și biotic asupra plantelor datorită schimbărilor climatice – STRESSEDPLANTS”, proiect UEFISCDI, PN-III-P4-ID-PCE2020-0410; https://stressedplants.uav.ro/wordpress/ Perioada de desf urare: 2020-2023; Valoare total : 1.198.026,00 RON;</p> <p>F6. „Instalație demonstrativă pentru o tehnologie inovativă de topire a cânepii proiect., PN-III-P-2-2.1-PTE-2016, contract 28 PTE/2016, Link: http://itop.uav.ro, Perioada de desf urare: 2016-2018; Valoare total : 518.001 RON;</p> <p>F7.”New Biomaterials by Enzyme Immobilization in/on Cryogel-Based Macroporous Carriers”, Grant bilateral Romania - Fedreatia Rus , (#07-03-91682 RA_a), Perioada de desf urare: 2008-2009;</p>

	<p>F8. ”Sisteme computerizate de filtrare și separare activate cu ultarsunete și controlate cu biosenzori pentru procese textile”, Proiect de Cercetare de Excelență ; Perioada de desfășurare: 2006-2008; Valoare total : 1.390.000 Lei din care 165000 RON pt Lei;</p>
	<p>F9. „Procedeu îmbunătățit de obținere a fructozei – un îndulcitor natural pentru persoanele diabetice și obeze”, Grant CNCISIS cod 244; Perioada de desfășurare: 2005-2007; valoare 51.800 RON</p>
	<p>F10. “Tehnologii de bio-utilizare a deșeurilor textile”, program BIOTECH, subprogram III , categorie de proiect P.E.D., Contract, nr. 4521/14.12.2004, finanțator: bugetul de stat- M.Ed.C., PNCDI prin Institutul Național de Cercetare -Dezvoltare pentru Textile și Pielărie, Perioada de desfășurare: 2004-2006; valoare 8500 RON</p>
	<p>F11. ORIZONT 2000 ”Studiul de literatură privind tratarea enzimatică a lânii” COD 11.1.7.”Tehnologii generice competitive – ecotehnologii – cercetări privind elaborarea de tehnologii nepoluante în domeniul textil prin tratarea enzimatică a lânii”, Contract nr.281/12.05.1997 încheiat cu Ministerul Cercetării și Tehnologiei prin Centrul de Cercetări pentru Calitate și Protecția Mediului LACECA București; Perioada de desfășurare:1997-1998; valoare pt UAV 5.000.000 Lei</p>
	<p>F12.”Modelarea cineticii formării agenților poluanți din apele reziduale ale secțiilor de galvanizare”, Contract nr.33/08.07.1994, Beneficiar: Centrul de Cercetări pentru Calitate și Protecția Mediului LACECA București; Perioada de desfășurare:1994-1995; valoare pt UAV 1.000.000 Lei</p>
	<p>F13.”Studiul cineticii și termodinamicii vopsirii materialelor textile și stabilirea corelației între valorile constantelor termodinamice și cinetice obținute pentru fiecare sistem tinctorial și rezistențele coloristice ale vopsirii”, Contract nr.221/5.03.1992 încheiat cu Ministerul Învățământului și Științei prin Centrul de Cercetări pentru Calitate și Protecția Mediului LACECA București; Perioada de desfășurare: 1992-1993; valoare pt UAV 1.000.000 Lei</p>
	<p>F14. ”Reducerea consumului specific la fabricarea spirtului din porumb prin folosirea enzimelor”. Contract nr. 1052/11.05.1994; Beneficiar: S.C. INDAGRARA S.A., ARAD; Perioada de desfășurare: 1994-1995; Valoare total : 200.000 lei;</p>

30.09. 2024

Prof. hab.dr.ing. Dorina Chambre

