

LIST OF PUBLICATIONS

Books

1. I.B.Pancan, I.Tolan, Adina Maria Bodescu, **Chimie Anorganică**, Ed. UAV Arad, **2005**, 337 pagini, ISBN : 973-8363-63-2.
2. I.R.Gabruș, Adina Maria Bodescu, **Chimie analitică – experimentală și aplicații numerice**, Ed. UAV Arad, **2006**, 138 pagini, ISBN : 973-8363-49-7.
3. Gabrus Iuliu Radu, Pancan Ioan Bujor, **Adina Maria Bodescu**, „ **Chimie Generala**” , Editura Universitatii „Aurel Vlaicu” Arad, **2006**, 430 pagini, ISBN (10) 973-752-098-X, ISBN(13) 978-973-752-098-2.
4. F.D.Munteanu, Adina Maria Bodescu, **Chimia Mediului**, Ed. UAV Arad, **2008**, 175 pagini, ISBN : 978-973-752-232-0.
5. N.Dincă, V. Grosu, D. Condrat, Adina Bodescu, **Lucrări practice de chimie organică**, Editura Universității „Aurel Vlaicu” Arad, **2011**, 87 pagini, ISBN : 978-973-752-548-2.

Scientific publications ISI (Web of Knowledge):

1. Gabruș Iuliu Radu, Adina Maria Bodescu, „Chemical Models of Nitrogenase”, Buletinul USAMV-CN, Cluj Napoca, 2003, 59, p.64-69, ISSN 1454-2382.
2. I.R.Gabruș, I.B.Pancan, C. Capatana, **A.M. Bodescu**, „Adeziv pe baza de alumina coloidală pentru corpuri ceramice”, Revista de Chimie, 2005, 56(3), p.320-321; ISSN: 0034-7752.
3. **Adina-Maria Bodescu**, Cecilia SÎRGHIE, Titus Vlase, Nicolae Doca - Kinetics of thermal decomposition of natrium oxalato-oxodiperoxo molibdate, acceptat pentru publicare, J Therm Anal Calorim. 2012; 110 (3): 1243-1247.
4. Dorina Chambre, **Adina-Maria Bodescu**, Cecilia Sîrghie,- THERMAL DECOMPOSITION OF THE OXO-DIPEROXO-MOLIBDENUM (VI)-POTASSIUM OXALATE. J Therm Anal Calorim. 2013; 112 (2): 851-857.
5. **Adina-Maria Bodescu**, Cecilia SÎRGHIE, Titus Vlase, Nicolae Doca - Comparative kinetics studies of thermal decomposition of kalium, respectively natrium oxalato-oxo-diperoxo molibdate J Therm Anal Calorim. 2013; 113 (3):1431-1435.
6. Cecilia Sîrghie, **Adina-Maria Bodescu**, Alexandru Botar, Artur Cavaco-Paulo, Florentina-Daniela Munteanu, Characterization of ligno-cellulosic materials bleached with oxo-diperoxo-molybdates, Carbohydrate Polymers 2013; 98: 490-494.
7. Lucian Copolovici, Andreea Pag, Astrid Kännaste, **Adina Bodescu**, Daniel Tomescu, Dana Copolovici, Maria-Loredana Soran, Ülo Niinemets; 2017 - Disproportionate photosynthetic decline and inverse relationship between constitutive and induced volatile emissions upon feeding of *Quercus robur* leaves by large larvae of gypsy moth (*Lymantria dispar*), Env.Exp.Bot., 2017; 138: 184-192.
8. Sabina Ion, Cristina Opris, Bogdan Cojocar, Madalina Tudorache, Irina Zgura, Aurelian C. Galca, **Adina M. Bodescu**, Madalin Enache, Gabriel-Mihai Maria, Vasile I. Parvulescu; One-Pot Enzymatic Production of Lignin-Composites, Front. Chem., 20 April 2018, vol.6 | <https://doi.org/10.3389/fchem.2018.00124> (F.I. 4, 155).

Scientific publications BDI

1. Lucian Copolovici, Andreea Pag, Astrid Kännaste, Daniel Tomescu, **Adina Bodescu**, Ülo Niinemets, Volatile organic compound emissions from *Quercus* genus under abiotic stresses, Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering, **2014**, 3, 5-7
2. Chiș-junior, S.* , Podrumar ,T., Ciutină,V. , Balint, Maria-Mihaela, **Bodescu, Adina-Maria**, Hălmăgean, L., Supervision of the population of *Lobesia botrana* DEN. ET. SCHIFF (the green moth of the grape) using pheromone traps, Journal of Horticulture, Forestry and Biotechnology, 2014; 18(2): 188-190.
3. Chiș-junior, S.* , Podrumar ,T., Ciutină,V. , Balint, Maria-Mihaela, **Bodescu, Adina-Maria**, Hălmăgean, L., David, I., Green Fertilizers-Fertilization Alternative for an Ecological Viticulture, Journal of Horticulture, Forestry and Biotechnology, 2014; 18(2): 185-187.

Other scientific publications:

1. V. Bercean, **Adina- Maria Lazăr (căs. Bodescu)**, M. Nuțiu, "OBȚINEREA 1H-3-METIL-5-AMINOPIRAZOLULUI", *Proceedings of Scientific Communications Meeting of „Aurel Vlaicu” University*, Third Edition, Arad, Vol. 10, p. 246-250, 16th – 17th May 1996
2. Gabruș Iuliu Radu, Adina Avacovici, **Adina Maria Bodescu**, „The Chemical Reduction of Dinitrogen. The Influence of Some Transitional Metals in Low-Oxidation State”, Metal Elements in Environment, Medicine and Biology, Roumanian Academy, 2003, p.101-107, ISBN 973-9336-189-1.
3. Gabruș Iuliu Radu, **Adina Maria Bodescu**, Adina Avacovici, „Cystine Complexes of Ni(II) and Mn(II)”, Metal Elements in Environment, Medicine and Biology, Roumanian Academy, 2003, p.120-124, ISBN 973-9336-189-1.
4. Gabruș Iuliu Radu, **Adina Bodescu**, Pancan I. Bujor, „Soluble Complexes of Vanadium (II)”, Scientific and Technical Bulletin, vol.8, 2003 (apărut 2004), Arad, p.18-25 ISSN 1582-1021.
5. Gabruș Iuliu Radu, Pancan I.Bujor, **Adina Bodescu**, „Adeziv pe bază de Alumină Coloidală pentru Corpuri Ceramice”, A XXVIII-a Conferință Națională de Chimie, 6-8 octombrie 2004, Călimănești-Căciulata, Romania, vol lucrărilor, p.166, ISBN 973-8488-74-5.
6. Gabruș Iuliu Radu, Pancan I.Bujor, **Adina Bodescu**, „Synthese de Complexes de Titanyl-Oxalate”, Simpozionul Internațional „Cercetarea Științifică – O punte spre Integrarea Europeană”, Universitatea „Aurel Vlaicu” Arad, 3-4 noiembrie 2004, Apărut în „Analele Universității Aurel Vlaicu Arad”, Seria Chimie, 2004, p.77-82, ISSN 1582-23415.

7. Gabruş Iuliu Radu, **Bodescu Adina Maria**, Raţ Mirabela Elana, „The relation between metals, ligands and cancer”, Scientific and Technical Bulletin, vol.9, 2004, Arad, p.27-43 ISSN 1582-1021.
8. Gabrus Iuliu Radu, **Adina Maria Bodescu**, " Cobalt and Titanium Mixed Oxides IR Spectra"; Scientific and Technical Bulletin, Arad, 2005 ,10(XI),99-104, ISSN 1582-1021.
9. I.R.Gabruş, I.B.Pancan, **A.M. Bodescu**, „Atmospheric Sulfur Dioxide Analysis”, Scientific and Technical Bulletin, series: Chemistry, Food Science and Engineering, Arad, 2006, YearXII, vol.11, p. 23-32, ISSN 1582-1021.
10. I.R.Gabruş, **A.M. Bodescu**, „The Collection of Sulfur Dioxide on Impregnated Filters”, Scientific and Technical Bulletin, series: Chemistry, Food Science and Engineering, Arad, 2006 , Year XII, vol.11, p. 33-41, ISSN 1582-1021.
11. Stănescu Michaela Dina, Chambrée Dorina-Rodica, Gavrilăş Simona, **Bodescu Adina-Maria**, "Thermal degradation of free and immobilized Laccase", Scientific and Technical Bulletin, series: Chemistry, Food Science and Engineering, Arad, 2010, Year XV, vol.14, p.18-21, ISSN 1582-1021.
12. Andreea Pag, **Adina Bodescu**, Astrid Kännaste, Daniel Tomescu, Ülo Niinemets, Lucian Copolovici, Volatile Organic Compounds Emission from *Betula verrucosa* under Drought Stress, SCIENTIFIC BULLETIN OF ESCORENA, Editura U.A.V. Arad, ISSN-L 2066-5687, ISSN 2069-8070

Posters:

1. International Symposium Research and Education in Innovation Era, 3rd Edition, 11th-12th November 2010, Arad/Romania, THERMAL DEGRADATION OF FREE AND IMMOBILIZED LACCASE-STĂNESCU Michaela Dina, CHAMBRÉE Dorina-Rodica, GAVRILAŞ Simona, **BODESCU Adina-Maria**
2. 1st Central and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC1), event to be held in Craiova, Romania from the 7th to the 10th of September 2011, Thermal decomposition of the oxo-diperoxo-molibdenum (VI)-potassium oxalate - **Adina-Maria BODESCU**, Dorina-Rodica CHAMBRÉ, Nicolae DOCA, Cartea de Rezumate, p.396, ISBN: 978-606-11-1893-9.
3. 1st Central and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC1), event to be held in Craiova, Romania from the 7th to the 10th of September 2011, TG/DTG to monitor the lignin content from flax fibers treated with peroxy complexes of molybdenum (VI) - **Adina-Maria BODESCU**, Cecilia SÎRGHIE, Dorina-Rodica CHAMBRÉ, Cartea de Rezumate, p.397, ISBN: 978-606-11-1893-9.
4. 1st Central and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC1), event to be held in Craiova, Romania from the 7th to the 10th of September 2011, Thermal behaviour of Laccase-PVA biocomposite - GAVRILAŞ Simona, CHAMBRÉE Dorina-Rodica, **BODESCU Adina-Maria**, STĂNESCU Michaela Dina, Cartea de Rezumate, p.398, ISBN: 978-606-11-1893-9.
5. 1st Central and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC1), event to be held in Craiova, Romania from the 7th to the 10th of September 2011, Thermal stability of the crude oils from technical plants seeds - Dorina-Rodica CHAMBRÉ, **Adina-Maria BODESCU**, Cecilia SÎRGHIE, Cartea de Rezumate, p.192, ISBN: 978-606-11-1893-9.
6. Andreea Pag, Daniel Tomescu, **Adina Bodescu**, Astrid Kännaste, Trinu Rimmel, Ülo Niinemets si Lucian Copolovici, Emission of volatiles organic compounds from stressed plants, *International Symposium Research and Education in Innovation Era, 4th Edition*, Arad, November 08-09, 2012.
7. **Adina Bodescu**, Andreea Pag, Daniel Tomescu, Lucian Copolovici, Analytical method for determination of Biogenic Volatile Organic Compounds, *International Symposium Research and Education in Innovation Era, 4th Edition*, Arad, November 08-09, 2012.
8. **Lucian Copolovici**, Ülo Niinemets, Astrid Kännaste, Andreea Pag, Adina Bodescu, Daniel Tomescu, **The identification and atmospheric role of volatile compounds emitted by plants in stress conditions**, 9th Conference of Environmental Legislation, Safety Engineering and Disaster Management, Cluj-Napoca, Romania, 25-27.10.2012 (participant)
9. **Lucian Copolovici**, Pag Andreea, Astrid Kännaste, Daniel Tomescu, Adina Bodescu and Ülo Niinemets, **Volatiles Organic Compounds and Their Roles in Plants Defense**, 13th Edition Timisoara's Academic Days, 13-14 June, Timisoara, Romania 2013, (participant)
10. **Lucian Copolovici**, Andreea Pag, Astrid Kännaste, Daniel Tomescu, Adina Bodescu, Ülo Niinemets, **Volatile organic compound emissions from Quercus genus under abiotic stresses**, *Agriculture for Life, Life for Agriculture*, Bucharest, 5-7 June 2014 (participant)
11. **Lucian Copolovici**, Astrid Kännaste, Andreea Pag, Daniel Tomescu, Adina Bodescu, Ülo Niinemets, New Gas Chromatography Mass-Spectrometry Methods used for Trapping and Determination of Volatile Organic Compounds Emitted by Plants, *The 3rd International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences "IC-ANMBES 2014"* June 13th – 15th, 2014, Brasov, Romania

12. Adina-Maria Bodescu, Astrid Kannaste, Andreea Pag, Ülo Niinemets, **Lucian Copolovici**, **The influence of temperature stress of biogenic volatile organic compounds emission and photosynthetic parameters for *Quercus robur* trees**, 10th Conference of Environmental Legislation, Safety Engineering and Disaster Management, Cluj-Napoca, Romania, 18-19.09.2014 (participant)
13. Andreea Ioana Pag, Daniel Tomescu, Astrid Kannaste, Adina Bodescu, Ülo Niinemets, **Lucian Copolovici**, **Volatile organic compound emission from *Quercus robur* under abiotic and biotic stress**, 10th Conference of Environmental Legislation, Safety Engineering and Disaster Management, Cluj-Napoca, Romania, 18-19.09.2014 (participant)
14. Daniel Tomescu, Andreea Pag, Adina Bodescu, Astrid Kannaste, Ülo Niinemets, **Lucian Copolovici**, **Volatile organic compounds emissions from *Quercus Robur* under drought stress**, 10th Conference of Environmental Legislation, Safety Engineering and Disaster Management, Cluj-Napoca, Romania, 18-19.09.2014 (participant)
15. Adina Bodescu, Daniel Tomescu, Andreea Pag, Lucian Copolovici, **The influence of drought on timis county forest**, International Symposium Research and Education in Innovation ERA, 6 th Edition, 8-10 decembrie, 2016, Arad, (participant)
16. Dorina Chambre, Adina-Maria Bodescu, Cecilia Sirghie, Iolanda Tolan, Petru Budrugaec, **Non-isothermal decomposition kinetics of oxodiperoxomolybdenum(vi)- potassium oxalate**, International Symposium Research and Education in Innovation ERA, 6 th Edition, 8-10 decembrie, 2016, Arad, (participant)

Scientific Communications (Conferences)

1. V. Bercean, **Adina- Maria Lazăr (căs. Bodescu)**, M. Nuțiu, "OBȚINEREA 1H-3-METIL-5-AMINOPIRAZOLULUI", *Proceedings of Scientific Communications Meeting of „Aurel Vlaicu” University*, Third Edition, Arad, Vol. 10, p. 246-250, 16th – 17th May 1996
2. Michaela Dina STĂNESCU, Dorina CHAMBRÉE, Simona GAVRILAȘ, **Adina BODESCU**, *Thermal Behaviour Of Biomaterials Based On Cryogel PVA*, ICOSECS-7, 15-17.09.2010, București
3. **Adina BODESCU**, Simpozionul Științific al Doctoranzilor, Universitatea de Vest din Timișoara, 17 iunie 2011, *Cinetica descompunerii oxometalați în condiții neizoterme*.
4. Duțuc G, Boțar A, Crăciun PM, **Bodescu AM**, Gavrilăscu D, Crăciun G. Bleaching of wood pulp and natural fibers using POM. Simpozion Internațional susținut de CEPROHART Brăila, 6-9 septembrie, 2011.
5. Lucian Copolovici, Ülo Niinemets, Astrid Kännaste, Andreea Pag, **Adina Bodescu**, Daniel Tomescu, **The identification and atmospheric role of volatile compounds emitted by plants in stress conditions**, *Environmental Legislation, Safety Engineering and Disaster Management*, Cluj-Napoca, 25.10 – 27.10 2012.
6. 15th *International Congress on Thermal Analysis and Calorimetry (ICTAC)*, event to be held in Higashi - Osaka, Japan from the 20th to the 24th of August 2012, **COMPARATIVE KINETICS STUDIES OF THERMAL DECOMPOSITION OF KALIUM, RESPECTIVELY NATRIUM OXALATO-OXO-DIPEROXO MOLIBDATE**, **Adina-Maria Bodescu**, Cecilia SÎRGHIE, Titus Vlase, Nicolae Doca.
7. Lucian Copolovici, Andreea Pag, Astrid Kännaste, Daniel Tomescu, **Adina Bodescu**, Ülo Niinemets, **Volatile organic compound emissions from *Betula verrucosa* under flooding and drought stresses**, *Environment & Progress* 2013, Cluj-Napoca, 25 Octombrie 2013 (participant).
8. Lucian Copolovici, Pag Andreea, Astrid Kännaste, Daniel Tomescu, **Adina Bodescu** and Ülo Niinemets, **Volatiles Organic Compounds and Their Roles in Plants Defense**, 13th Edition Timisoara's Academic Days, 13-14 June, Timisoara, 2013.
9. Lucian Copolovici, Astrid Kännaste, Pag Andreea, Daniel Tomescu, **Adina Bodescu** and Ülo Niinemets, **New Gas Chromatography Mass-Spectrometry used for Trapping and Determination of Volatile Organic Compounds Emitted by Plants**, Third Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, 13-15 June, Brașov, 2014.

Projects:

Project	Function	Period:
Integrarea unui centru român de spectrometrie de masă biomedicală de înaltă performanță în aria de cercetare internațională și europeană, proiect 98/2006, CEEEX modul III	member team partner P2	2006-2008
Compuși volatili emiși de plantele din familiile Betulacea și Fagacea induși în tipul stresului biotic și abiotic, PN-II-RU-TE-2011-3-0022	team member	2012-2014

Arad, 20.02.2019

Semnătura
