

Listă de lucrări

I. Articole:

1. Reviste cotate ISI

1. **Pană A.M.**, Rusnac L.M, Bandur G., Şişu E., Badea V. and Silion M, *Synthesis and characterization of new glycopolymers based on monosaccharides and maleic anhydride. I. Glucose derivatives*, Mat. Plastice (Bucharest), **2010**, 47(1), 28-34, I.F. = 1.248
2. **Pană A.M.**, Rusnac L.M., Bandur G., Deleanu C., Bălan M., Silion M., *Synthesis and characterization of new glycopolymers based on monosaccharides and maleic anhydride. II. Mannose derivatives*, Mat. Plastice (Bucharest), **2010**, 47(3), 299-305, I.F. = 1.248
3. Pop-Schwerin M., Schwerin C., Lupea A.X., Gharibeh-Branic A., Chis-Pană A.M., *Evaluation Of Antioxidant Activity Of Some Vaccinium Extracts And Their Application For The Inhibition Of Oxidation Process In Vegetable Oil*, Oxidation Communications, **2010**, 33(1), 175-184, I.F. = 0.25
4. **Pană A.M.**, Rusnac L.M., Bandur G., Silion M., Deleanu C., and Bălan M., *Novel D-glucose and D-mannose based oligomers. Synthesis and characterization*, e-Polymers, **2011**, no.004, 1-13, I.F. = 0.515
5. Ştefan L.M., **Pană A.M.**, Pascariu M.C., Şişu E., Bandur G., Rusnac L.M., *Synthesis and characterization of a new methacrylic glycomonomer*, Turkish Journal of Chemistry, **2011**, 35(5), 757-767, I.F. = 0.943
6. **Pană A.M.**, Gherman V., Sfirloagă P., Bandur G., Ştefan L.M., Popa M., Rusnac L.M. *Thermal stability and biodegradation of novel D-mannose based glycopolymers*, Polymer Testing, **2012**, 31, 384-392, I.F. = 1.646
7. Ştefan L.M., **Pană A.M.**, Bandur G., Martin P., Popa M., Rusnac L.M., *Thermal analysis of new glycopolymers derived from monosaccharides*, Journal of Thermal Analysis and Calorimetry, **2013**, 111, 789-797, I.F. = 1.982
8. **Pană A.M.**, Ştefan L.M., Bandur G., Sfirloagă P., Gherman V., Silion M., Popa M., Rusnac L.M., *Novel glycopolymers based on D-mannose and methacrylates. Synthesis, thermal stability and biodegradability testing*, Journal of Polymers and the Environment, **2013**, 21, 981-994, I.F. = 1.495
9. Bucovicean C. M., Dong H., Zeng X., **Pana A.M.**, Pausescu I., Costisor O., Cseh L., *Study of molecular order, mesogenic and fluorescent properties of 2,4-bis(4-dodecyloxybenzylidene)cyclohexanone*, Journal of Molecular Liquids, **2014**, 195, 69-72, I.F. = 1.684
10. **Pană A.M.**, Badea V., Bănică R., Bora A., Dudas Z., Cseh L., Costişor O., *Network reaction of 2,6-bis(2-hydroxybenzylidene)cyclohexanone by external stimuli*, Journal of Photochemistry and Photobiology A: Chemistry, **2014**, 283, 22-28, I.F. = 2.416
11. Moro A.J., **Pana A.M.**, Cseh L., Costisor O., Parola J., Cunha-Silva L., Puttreddy R., Rissanen K., Pina F., *Chemistry and Photochemistry of 2,6-bis(2-hydroxybenzylidene)cyclohexanone. An Example of a Compound Following the Same Network of Chemical Reactions as Anthocyanins*. J. Phys. Chem.A, **2014**, 118(32), 6208-6215, I.F. = 2.771
12. **Pană A.M.**, Păuşescu I., Shova S., Badea V., Tudose R., Silion M., Costişor O., Cseh L., *pH dependent structural interconversion of 2-(2-hydroxy-benzylidene)-cyclohexan-1-one: Crystal structures and spectroscopic investigation*, J. Molec. Struct., **2017**, 1137, 9-16, I.F. = 1.780

13. Moro A.J., Parola A.J., Pina F., **Pană A.M.**, Badea V., Păușescu I., Shova S., Cseh L., *2,2'-Spirobis[chromene] Derivatives Chemistry and their Relation with the Multistate System of Anthocyanins*, J. Org. Chem., **2017**, 82 (10), 5301–5309, I.F. = 4.785
14. Szerb E.I., Cseh L., **Pană A.M.**, Bănică R., Linul P., Lazarovici M., Crețu C., Demetrovici L., Locovei C., Simu G., Strîmbeanu N., Costișor O., *Synthesis and Characterization of Copper Nanocubes from Waste Complex Catalyst*, Rev. Roum. Chim., **2017**, 62(4-5), 433-438, I.F. = 0.246
15. **Pană A.M.**, Popa M., Silion M., Sfirloagă P., Duchatel L., Bandur G., Rusnac L.M., *Novel semi-interpenetrating network hydrogels based on monnosaccharide oligomers with itaconic moiety: synthesis and properties*, Iran. Polym J., **2017**, 26, 743-751, I.F. = 1.422
16. Corici L.N., **Pana A.M.**, Shova S., Haidu D., Badea V., Apostu M., Buta I., Szerb E.I., Costisor O., Cseh L., *Synthesis and investigation of 2-(hydroxybenzylidene)-4-methylcyclohexan-1-one*, Rev. Roum. Chim., **2018**, 63(7-8), 743-748, I.F. = 0.246
17. **Pană A.M.**, Gherman V., Sfirloagă P., Rusu G., Bandur G., Popa M., Rusnac L.M., Dumitrel G.A., *Biodegradation studies on new glycopolymers derived from oligomeric D-mannose itaconates and 2-hydroxypropyl acrylate*, Polymer Degradation and Stability, **2019**, 167, 210-216, I.F. = 3,78
18. **Pană A.M.**, Dumitrel G.A., Ordodi L.V., Gherman V., Rusu G., Stănescu A., Rusnac L.M., *Preliminary study on polymer degradation using an aerobic reactor*, Journal of Environmental Protection and Ecology, **2019**, *in press*

2. Lucrări publicate în Proceeding-uri cotate ISI ale unor manifestări științifice

1. **Pană A.M.**, Gherman V., Ordosi L.V., Rusu G., Dumitrel G.A., *Efficiency of an Aerobic Bioreactor for Glycopolymer Biodegradation*, Proceedings of 9th International Conference on ENERGY and ENVIRONMENT (CIEM), IEEE Xplore, **2019**, *in press*
2. Gherman V., **Pană A.M.**, *Microalgae bioreactor efficiency for treatment of wastewater aerobic stage effluent with biohydrogen production*, Proceedings of 9th International Conference on ENERGY and ENVIRONMENT (CIEM), IEEE Xplore, **2019**, *in press*

3. Reviste indexate BDI

1. **Pană A.M.**, Pascariu M.C., Bandur G. and Rusnac L.M., *Thermal properties of new glucose based copolymers*, Chemical Bulletin of "Politehnica" University of Timișoara, **2009**, 54(68), 93-99
2. **Pană A.M.**, Bandur G., Rusnac L., Hălmăgean R., *Thermal Properties of new D-Mannose Oligomer Copolymerized with 2-Hydroxypropyl Methacrylate*, Chemical Bulletin of "Politehnica" University of Timisoara, **2010**, 55(69), 26-31
3. **Pană A.M.**, Bandur G., Rusnac L., Silion M., *Thermal Analysis of Glycopolymers Obtained by Copolymerization of a New D-glucose Oligomer with 2-Hydroxy-Propyl Acrylate*, Journal of Materials Science and Engineering A, **2011**, 1, 342-351
4. **Pană A.M.**, Popa M., Furca L. M., Sfirloagă P., Hădărugă D., Bandur G., Crepy L., Rusnac L. M., *New semi-IPN hydrogels derived from monosaccharide based oligomers, chitosan and 2-hydroxyethyl methacrylate*, Journal of Hydrogels, **2015**, 1, 26-33

4. Lucrări publicate în Proceeding-uri ale unor manifestări științifice

1. Ștefan L.M., **Pană A.M.**, Silion M., Bălan M., Bandur G., Rusnac L.M., *Efficient Preparation and Characterization of Carbohydrate Based Monomers. D-mannose Derivatives*, Proceedings of World Academy of Science Engineering and Technology, **2011**, ISSN:2010-376X, 76 (part II), 298-302
2. Ștefan L.M., **Pană A.M.**, Bandur G., Popa M., Rusnac L.M., *Novel Glycopolymers Containing Carbohydrate Moiety: Copolymerization and Thermal Properties*, Proceedings of World Academy of Science, Engineering and Technology, **2012**, ISSN:2010-376X, 64 (VI), 899-902
3. Mazăre M.S., **Pană A. M.**, Ștefan L. M, Silion M., Bălan M., Bandur G., Rusnac L. M., *Novel D- glucose Based Glycomonomers. Synthesis and Characterization*, Proceedings of World Academy of Science, Engineering and Technology, **2012**, ISSN 2010-376x, 68, 1302-1305
4. Cioabla A. E., Dumitrel G.A., **Pană A.M.**, Popescu F. Lelea D., Tenchea A., Dungan L.I., *Experimental And Modeling Approach In Terms Of Biogas Production By Anaerobic Fermentation Of Different Substrates*, Proceedings of VIII International Conference Industrial Engineering and Environmental Protection 2018 (IIZS 2018), October 11-12th, **2018**, Zrenjanin, Serbia, 362-367

II. Comunicări științifice

1. Conferințe internaționale

1. **Pană A.M.**, Rusnac L., Bandur G., *La synthese et la caracterisation des nouveaux polymers a base de sucres et d'anhydride maleique*, IX^{eme} Colloque Franco-Roumain sur les Polymeres, Alba-Iulia, Romania, 27-29 Aout, **2009**, **Prezentare orală**
2. **Pană A.M.**, Bandur G., Rusnac L., Hălmăgean R., *Thermal Properties of new D-Mannose Oligomer Copolymerized with 2-Hydroxypropyl Methacrylate*, 2nd International Conference on Chemistry and Chemical Engineering, Timișoara, Romania, 27-29 May, **2010**, ISSN 2068-374X, **Prezentare orală**
3. Ștefan L.M., **Pană A.M.**, Pascariu C., Șișu E., Silion M., Rusnac L.M., *Synthesis and characterization of carbohydrate based monomers and dendrimers precursors*, 2nd International Conference on Chemistry and Chemical Engineering, Timișoara, Romania, May, 27-29, **2010**, **Poster**
4. **Pană A.M.**, Bandur G., Rusnac L.M., Silion M., *Thermal analysis of glycopolymers obtained by copolymerization of a new D-glucose oligomer with 2-hydroxy-propyl acrylate*, 20th International Conference "Polymer Networks Group", 29 August - 2 September, **2010**, Goslar, Germany, **Poster**
5. **Pană A.M.**, Rusnac L.M., Gherman V., Bandur G., *Thermal properties of biodegradable glycopolymers obtained by the copolymerization of a new D-glucose oligomer and 2-hydroxypropyl acrylate*, 7th ICOSECS, 15-17 September, **2010**, Bucharest, Romania, **Poster**
6. Ștefan L.M., **Pană A.M.**, Silion M, Balan M., Bandur G, Rusnac L.M., *Efficient Preparation and Characterization of Carbohydrate Based Monomers. D-mannose Derivatives*, International Conference on Chemical Engineering and Technology", April 27-29, **2011**, Venice, Italy, **Prezentare orală**

7. Ștefan L.M., **Pană A.M.**, Silion M., Bandur G., Rusnac L.M., Popa M., *Mass spectrometry analysis of some carbohydrate based monomers*, 2nd International Conference of the Romanian Society for Mass Spectrometry, May 1-5, 2011, Timișoara, Romania, **Poster**
8. **Pană A.M.**, Gherman V., Rusnac L.M., Dumitrel A., Sfirloagă P., Popa M., *Nouveaux materiaux polymers biodegradables a base de mannose*, Le deuxieme colloque francophone PLUridisciplinaire sur les Materiaux, l'Environnement et l'Electronique, 30 Mai - 1 Juin 2011, Limoges, France, **Prezentare orală**
9. Ștefan L.M., **Pană A.M.**, Bandur G., Rusnac L.M., Popa M., *Thermal analysis of new glycopolymers derived from monosaccharides*, 1st Central and Eastern European Conference on Thermal Analysis and Calorimetry, 7-10 September 2011, Craiova, Romania, **Poster**
10. **Pană A.M.**, Ștefan L.M., Silion M., Bandur G., Rusnac L.M., Popa M., *Synthèse et caractérisation des nouveaux copolymères biodegradable a base de sucre*, X^{eme} Colloque Franco-Roumain sur les Polymères, 6-8 Septembre 2011, Douai-France, **Prezentare orală**
11. Ștefan L.M., **Pană A.M.**, Silion M., Bălan M., Bandur G., Rusnac L.M., *La synthèse et la caractérisation d'une nouvelle classe de copolymères à base de glucose*, X^{eme} Colloque Franco-Roumain sur les Polymères, 6-8 Septembre 2011, Douai-France, **Prezentare orală**
12. **Pană A.M.**, Ștefan L.M., Bandur G., Rusnac L.M., Gherman V., Sfirloagă P., Popa M., *New D-Mannose Based Biodegradable Polymers*, A Greener Chemistry for Industry, 12-14 December 2011, Lille, France, **Prezentare orală**
13. Ștefan L.M., **Pană A.M.**, Bandur G., Popa M., Rusnac L.M., *New Glycopolymers Derived from Renewable Resources*, A Greener Chemistry for Industry, 12-14 December 2011, Lille, France, **Prezentare orală**
14. Ștefan L.M., **Pana A.M.**, Bandur G., Popa M., Rusnac L.M., *Novel Glycopolymers Containing Carbohydrate Moiety: Copolymerization and Thermal Properties*, World Academy of Science, Engineering and Technology, April 25-26, 2012, Paris, France, **Prezentare orală**
15. **Pană A.M.**, Ștefan L.M., Bandur G., Sfirloagă P., Gherman V., Rusnac L.M., Popa M., *Biodegradability Study on New Polymers Derived from D-glucose*, 12th Eurasia Conference on Chemical Sciences, Corfu, Greece, 16-21 Apr. 2012, **Poster**
16. Mazăre M.S., **Pană A. M.**, Ștefan L. M., Silion M., Bălan M., Bandur G., Rusnac L. M., *Novel D- glucose Based Glycomonomers Synthesis and Characterization*, International Conference on Applied Chemistry, Paris, 22-23 Aout 2012, France, **Prezentare orală**
17. Cseh L., **Pană A.M.**, Badea V., Costișor O., *Characterization of Xanthylum Derivatives network of Chemical Reactions*, International Symposion on Photochromism, Berlin, 23-26 September 2013, Germany, **Poster**
18. **Pană A.M.**, Bandur G., Popa M., Rusnac L.M., *Oligomers containing sugars in the main chain and derived polymeric networks*, 15th IUPAC International Conference on Polymers and Organic Chemistry, Timisoara, 10 -13 June 2014, Romania, **Poster**
19. **Pană A.M.**, Păușescu I., Cseh L., Badea V., Maxim C., Andruh M., Costișor O., *Synthesis and characterization of a new bispyropyran derivative*, The 20th International Symposium on Analytical and Environmental Problems" Szeged, 22 September 2014, Ungaria, **Poster**

20. Păușescu I., **Pană A.M.**, Cseh L., Badea V., Shova S., Costișor O., *Synthesis and characterization of new benzilidene-cyclohexanone based derivatives with photochromic properties*, 19th Romanian International Conference on Chemistry and Chemical Engineering, September 2-5, **2015**, Sibiu, Romania, **Poster**
21. **Pană A.-M.**, Păușescu I., Cseh L., Costișor O., *Synthesis optimization of a precursor for novel asymmetric photochromic compounds for potential application as optical lenses*, Congresul International al Universitatii "Apollonia", editia a XXVI-a, 3-5 Martie **2016**, Iasi, **Poster**
22. Păușescu I. **Pană A.M.**, Badea V., Ianăși C., Costișor O., Cseh L., *Novel Asymmetric Benzylidenecyclohexanone Photochromic Compound as Food Dye with Antioxidant Properties*, 22nd International Symposium on Analytical and Environmental Problems, 10 October, **2016**, Szeged, Hungary, **Oral Presentation**
23. Aparaschivei D., Buta I., **Pană A.M.**, Păușescu I., Badea V., Cseh L., Costișor O., *New CarboxySalicylaldehyde Schiff Base Ligand and its Copper(II) Complexes*, 22nd International Symposium on Analytical and Environmental Problems, 10 October, **2016**, Szeged, Hungary, **Poster**
24. Buta I., Ardelean A., Cseh L., Ianasi C., Sasca V., **Pană A.M.**, Badea V., Costișor O., *NMR Structural Study of Salicylaldehyde Schiff base derivatives*, 19th Central and Eastern European NMR Symposium & Bruker Users' Meeting CEUM 2017, September 5-8, **2017**, Timișoara, Romania, **Poster**
25. Cioabla A. E., Dumitrel G.A., **Pană A.M.**, Popescu F. Lelea D., Tenchea A., Dungan L.I., *Experimental And Modeling Approach In Terms Of Biogas Production By Anaerobic Fermentation Of Different Substrates*, VIII International Conference Industrial Engineering and Environmental Protection 2018 (IIZS 2018), October 11-12th, **2018**, Zrenjanin, Serbia, **Oral Presentation**
26. **Pană A.M.**, Dumitrel G.A., Ordodi L.V., Gherman V., Rusu G., Stănescu A., Rusnac L.M., *Preliminary study on polymer degradation using an aerobic reactor*, Environmental Engineering and Sustainable Development, 7th Edition, June 20-21th, **2019**, Alba Iulia, Romania, **Poster**
27. **Pană A.M.**, Ordodi L.V., Gherman V., Rusu G., Dumitrel G.A., *Efficiency of an aerobic bioreactor for glycopolymer biodegradation*, 9th International Conference on Energy and Environment, 17-18th October **2019**, Timisoara, Romania, **Oral presentation**
28. Gherman V., **Pană A.M.**, *Microalgae bioreactor efficiency for treatment of the wastewater aerobic stage effluent with biohydrogen production*, 9th International Conference on Energy and Environment, 17-18th October **2019**, Timisoara, Romania, **Oral presentation**

2. Conferințe naționale

1. Ștefan L.M., **Pană A.M.**, Silion M., Bandur G., Rusnac L.M., *Carbohydrate based monomers - Synthesis and characterization*, The 12th international meeting „Young people and multidisciplinary research”, Timisoara, 11-12 November, **2010**, poster

2. Ștefan L.M., **Pană A.M.**, Silion M., Bandur G., Rusnac L.M., Popa M., *Novel monomers based on D-glucose*, Timisoara's Academic Days, XIIth Edition, May 26-27, **2011**, Timișoara, Romania, **poster**
3. Mazăre M.S., **Pană A.M.**, Ștefan L.M., Bandur G., Rusnac L.M., *Synthesis of some monomers derived from carbohydrates*, The XIIIth International Symposium "Young People And Multidisciplinary Research", 10-11 November **2011**, Timișoara, România, **poster**
4. **Pană A.M.**, Ștefan L.M., Bandur G., Silion M., Crepy L., Rusnac L.M., Popa M., *Synthesis of a New Glycomonomer Based on D-Glucose and Itaconic Anhydride*, The Fifth Edition of the Symposium New Trends and Strategies in the Chemistry of Advanced Materials, 3-4 November **2011**, Timisoara, Romania, **poster**
5. Ștefan L.M., **Pană A.M.**, Bandur G., Popa M., Rusnac L.M., *Synthesis and characterization of Novel Glycopolymers Based on Mannose and Styrene*, The Fifth Edition of the Symposium New Trends and Strategies in the Chemistry of Advanced Materials, 3-4 November **2011**, Timisoara, Romania, **poster**
6. **Pană A.M.**, Cseh L., Badea V., Costișor O., *pH-dependent photochromic behavior of a curcumin analogue*, Timisoara's Academic Days XIIIth Edition, June 13-14, **2013**, Timișoara, Romania, **poster**
7. **Pană A.M.**, Cseh L., Badea V., Costișor O., *Synthesis And Characterization Of 2,6-Bis(2-Hydroxybenzylidene)Cyclohexanone: A pH-Dependent Photochromic System*, The VIIth Edition of the Symposium with International participation, New Trends and Strategies in the Chemistry of Advanced Materials with relevance in biological systems, Technique and Environmental Protection, June 5-6, **2014**, Timișoara, Romania, **Prezentare orală**
8. Păușescu I., **Pană A.M.**, Cseh L., Silaghi-Dumitrescu L., Costișor O., *Theoretical calculations on 2,6-bis(2-hydroxybenzylidene)cyclohexanone-oxime*, The VIIIth Edition of the Symposium with International participation, New Trends and Strategies in the Chemistry of Advanced Materials with relevance in biological systems, Technique and Environmental Protection, June 4-5, **2015**, Timișoara, Romania, **Poster**
9. **Pană A.M.**, Cseh L., Cretu C., Szerb E., Demetrovici L., Strimbeanu N., Andres L., Simu G., Costisor O., *Recovery of copper from waste complex catalyst used in COSORB plants*, Tim 15-16 Physics Conference Workshop: Present and perspectives in airborne particulate matter pollution in city of Timisoara. Causes and potential hazards to human health and environment. Policies and strategies on air pollution control and prevention, 27 May **2016**, Timisoara, **Oral presentation**
10. **Pană A.M.**, Păușescu I., Badea V., Cseh L., Costișor O., *Novel Asymmetric Benzylidene Cyclohexanone Derivative And Its Photochromic Behaviour*, The IXth Edition of the Symposium with International participation, New Trends and Strategies in the Chemistry of Advanced Materials with relevance in biological systems, Technique and Environmental Protection, June 9-10, **2016**, Timișoara, Romania, **poster**
11. **Pană A.M.**, Tudose R., Badea V., Cseh L., Costișor O., *2-Naphtol Derived Mannich Base As Tetradentate Ligand In New Copper(II) complex*, The IXth Edition of the Symposium with International participation, New Trends and Strategies in the Chemistry of Advanced Materials with relevance in biological systems, Technique and Environmental Protection, June 9-10, **2016**, Timișoara, Romania, **poster**
12. Deveseleanu-Corîci L., Cseh L., **Pană A.M.**, Badea V., Costișor O., *pH Dependent Photochromic Behavior Of 2,6-Bis(5-Bromo-2-Hydroxybenzylidene)Cyclohexanone*, The IXth Edition of the Symposium with International participation, New Trends

and Strategies in the Chemistry of Advanced Materials with relevance in biological systems, Technique and Environmental Protection, June 9-10, 2016, Timișoara, Romania, **poster**

13. Moro A.J., Parola A.J., Pina F., **Pană A.M.**, Badea V., Păușescu I., Shova S., Cseh L., *Spiro-chromenes and anthocyanins – two families reunited*, New Trends and Strategies in the Chemistry of Advanced Materials with relevance in biological systems, Technique and Environmental Protection, June 8-9, 2017, Timișoara, Romania, **prezentare orală**

14. Roman R., **Pană A.M.**, Dumitrel G.A., *Studii preliminare a biodegradării unor polimeri zaharidici utilizând un bioreactor aerob*, Simpozionul Științific Studentesc al Facultății de Chimie Industrială și Ingineria Mediului, ediția a III-a, 14 Iunie 2019, Timișoara, **prezentare orală**

III. Cărți/capitole de carte

1. **Chiș A.M. (căs. Pană)** – “Oligomeri incluzând hidrați de carbon în catena și glicopolimeri derivați” – **Teză de doctorat**, Editura Politehnica, Timișoara, ISSN: 1842-8223, 2010

2. **Pană A.M.**, Rusnac C., Dumitrel G.A., « Dispersia poluanților atmosferici. Aplicații », Editura Politehnica, Timișoara, ISBN 978-606-35-0234-7, 2018

IV. Stagii de cercetare efectuate în afara țării

1. Martie 2007 – Iunie 2007, Universite d’Artois, IUT Bethune, Franța, Acord ERASMUS

2. Mai 2011 – August 2011, Stagiul de cercetare în cadrul programului post-doctoral PERFORM-ERA, Universite d’Artois, IUT Bethune, Franța

V. Premii

1. 2004 - Bursa CIPĂU

2. 2005 – “Student eminent al anului 2005” acordat de Fundația “Orizonturi Universitare” Timișoara

3. Premiere articole publicate în circuitul ISI: 7 (2012 – 1; 2013 – 1; 2014 – 4 ; 2017 - 1)

VI. Proiecte naționale/internaționale

1. Student ERASMUS – mobilitate România-Franța, martie – iunie 2007 ; Universite d’Artois, Bethune, Franța

2. Membru al grupului-țintă în proiectul operațional-sectorial dezvoltarea resurselor umane, PERFORM-ERA ID - 57649 « Performanță prin postdoctorat pentru integrarea în aria europeană de cercetare », perioada martie 2011 – februarie 2013; valoare totală proiect 20.813.320 lei

3. Cercetător științific, membru în echipa de cercetare a proiectului PN-II-PT-PCCA-2013-4-0612, Contract nr. 110/2014 cu titlul: „Recuperarea avansată a produselor utile din deșeurile de catalizatori uzați (REMACAT)”, valoare proiect 1.475.000 lei

4. Membru în echipa proiectului instituțional **“Consiliere și orientare pentru sporirea accesului la un învățământ superior tehnic corelat cu cererea pieței muncii (CO-ASIST)”**, contract de finanțare CNFIS-FDI-2018-0524, valoare proiect 209.070 lei
5. Director de proiect ARUT, competiția 2018, **„Bioreactor pentru degradarea controlat-avansată a materialelor polimerice”**, GNaC2018 - ARUT, nr. 1351/01.02.2019, finanțat de Universitatea Politehnica Timisoara, valoare proiect 47.600 lei.

VII. Referent științific

1. Journal of Photochemistry and Photobiology B: Biology 2016 – I.F. = 3.035
2. Journal of Hydrogels 2015 - BDI

VIII. Cursuri/specializări

1. Curs de autorat științific – 2009, Universitatea Politehnica Timișoara
2. Curs de analiză termică și calorimetrie – 2016, Setaram, Timișoara