

A) Papers in national and international journals

1. Cornelia Ilie, Stela Iancu, Monica Duldner, Dan F. Anghel, "Water-dispersible, biodegradable copolyesters from pet wastes. I. Investigation of hydrophylic character", Rev. Roumaine Chim., 2011, 56(7), 725-734.
2. Emeric Bartha, Stela Iancu, Monica Duldner, Mircea D. Vuluga, Constantin Draghici, Florina Teodorescu, Dragos Gherase, "Glycolysis of pet wastes with isosorbide: isolation and characterization", Revista de Chimie, 2011, 62(4), 401-408.
3. Anca Rovena Lacatusu, R. Lacatusu, M. Dumitru, Stela Iancu, Monica Duldner, Mihaela Lungu, Claudia Balaceanu, Rodica Lazar, Amelia Anghel, A. Vranceanu, "The effect of complex mineral fertilizers coated with copolyester films from pet waste recycling on soil chemical properties", The Proceedings of The 15-th World Fertilizers Congress of the International Scientific Center for Fertilizers (CIEC), Editura Academiei Romane, 2010, ISBN: 978-973-27-2043-1, 642-654.

B) Presentations at national and international scientific events

1. Monica Duldner, Stela Iancu, Stanca Capitanu, E. Bartha, C. Teodorescu, Steluta Apostol, "Poliester-polioli pentru spume poliuretanicе rigide din deseuri de la fabricarea anhidridei ftalice prin procedeul de oxidare a o-xilenului", Prioritatile chimiei pentru o dezvoltare durabila - Simpozion international ICECHIM, Bucuresti, Romania, oct. 2007.
2. Stela Iancu, Monica Duldner, E. Bartha, Loredana Barbu, Maria Maganu, "Synthesis of some biodegradable, water dispersible, film-forming co-polyesters from pet wastes and diols derived from biomass", 2nd EUCHEMS Chemistry Congress, Torino, Italia, 16-19 sept. 2008.
3. Cornelia Ilie, Stela Iancu, Monica Duldner, S.Peretz, Adriana Baran, Gabriela Stanga, Monica Maxim, Marieta Balcan, Alina Iovescu, D.F Anghel, Teodora Staicu, M. Micut, "Copolyester aqueous dispersions based on chemical recycled PET bottle wastes for coating applications", IX^{eme} Colloque Franco-Roumain sur les Polymères, Alba Iulia, Romania, 27-29 aug. 2009.
4. Stela Iancu, Monica Duldner, E. Bartha, C. Nicolae, D. Gherase, Florina Teodorescu, Sorina Garea, "Copolyesteri biodegradabili din deseuri de PET si materiale regenerabile", Simpozion international Prioritatile Chmiei pentru o dezvoltare durabila - PRIOCHEM, Sinaia, Romania, 28-30 oct. 2009.
5. Anca Rovena Lacatusu, Stela Iancu, Monica Duldner, R. Lacatusu, M. Dumitru, Mihaela Lungu, Claudia Balaceanu, Rodica Lazar, Amelia Anghel, A.Vranceanu, "Modificari chimice in solul fertilizat cu ingrasaminte minerale complexe acoperite cu pelicule copoliesterice sintetizate prin reciclarea chimica a deseurilor din PET", Simpozionul International "Mediul si Dezvoltarea Durabila", Iasi, Romania, 16-18 oct. 2009.
6. E. Bartha, Stela Iancu, Monica Duldner, Loredana Barbu, Maria Maganu, "Glycolysis of PET wastes with isosorbide: isolation and characterization of hydroxy oligoesters", International Conference of the Chemical Societies of the South-Eastern European Countries, Bucharest, Romania, 15-17 sept 2010.
7. Anca Rovena Lacatusu, Stela Iancu, Monica Duldner, R. Lacatusu, M. Dumitru, Mihaela Lungu, Claudia Balaceanu, Rodica Lazar, Amelia Anghel, A.Vranceanu, "The effect of complex mineral fertilizers coated with copolyester films from PET waste recycling on soil chemical properties", Al 15-lea Congres Mondial de Ingrasaminte, Bucuresti, Romania, 29 aug.-2.sept.2010.

8. Monica Duldner, Stela Iancu, E. Stepan, E. Bartha, N. Cristian, Raluca Gabor, "Sisteme "coil-coating" bazate pe rasini poliesterice si solventi ecologici reactivi, provenind din resurse regenerabile", Prioritatile Chimiei pentru o dezvoltare durabila - PRIOCHEM, Bucuresti, Romania, 28-29 oct. 2010.

9. Cornelia Ilie, Stela Iancu, Monica Duldner, D.F Anghel, Teodora Staicu, M. Micut, "Rheological properties of copolyester aqueous dispersions based on chemical recycled pet bottle wastes for coating applications", "Dynamics of complex fluids" Conference, Iasi, Romania, 5-7 may 2011.

C) Patents and patents applications

1. Stela Iancu, Monica Duldner, Anca Rovena Lacatusu, Emeric Bartha, Dan Florin Anghel, "Procedeu de obtinere a unui copoliester aromatic-alifatic biodegradabil, dispersabil in apa si dispersie apoasa a acestuia", Dosar OSIM A/01088/11.11.2010.

2. Monica Duldner, Stela Iancu, Stanca Capitanu, Mihail Ionescu, Steluta Apostol "Procedeu de obtinere a unor poliester-eter polioli aromatici din deseuri de polietilentereftalat (PET) si poliester-eter polioli aromatici incorporand deseuri de polietilentereftalat si materiale regenerabile, obtinuti prin respectivul procedeu", Dosar OSIM A/00597/23.06.2011.

3. Monica Duldner, Stela Iancu, "Plastifianti oligoesterici pentru PVC si procedeu de obtinere a acestora din deseuri de polietilentereftalat (PET)", Dosar OSIM A/00819/16.08.2011.

4. Stela Iancu, Monica Duldner, Zina Vuluga, Denis Panaitescu, Michaela Iorga, Constantin Radovici, "Oligoester ionomers from poly(ethylene terephthalate) wastes usable as dispersion agents in nanocomposites and method of obtaining said oligoester ionomers", Dosar OSIM A/00971/30.09.2011.