

# UNIVERSITATEA POLITEHNICA DIN BUCUREȘTI

## FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR DE PROFESOR

**Candidat: Oana Cristina PÂRVULESCU**

**Departamentul de INGINERIE CHIMICĂ ȘI BIOCHIMICĂ, Facultatea de CHIMIE APLICATĂ ȘI ȘTIINȚA MATERIALELOR**

Condiții	Îndeplinire condiții	
<b>A. Doctor</b>	<b>Diplomă de Doctor</b> în domeniul <i>Inginerie chimică</i> , nr. 150 din 06.05.2005, emisă de <b>Universitatea POLITEHNICA din București</b>	
<b>B. Îndeplinirea standardelor minime naționale conform OMECTS nr. 6560/20.12.2012; MO, I, 890 și 890bis/27.12.2012;</b>	Standarde indeplinite, conform Comisiei CNATDCU Nr. 8, <b>Comisia Inginerie Chimică, Inginerie Medicală, Știința Materialelor și Nanomateriale</b> Anexată: Fișa de calcul și de susținere a îndeplinirii standardelor minime specifice domeniului, în acord cu realizările menționate:	
<b>Condiții minimale [Punctaj]</b>	<b>Minim prevăzut</b>	<b>Realizat</b>
Număr total de articole ISI (NT)	25	28
Număr articole în reviste ISI la care candidatul este autor principal (NP)	12	20
Factor de impact cumulată (FIC)	16	35,054
Număr total de citări (NC)	40	67
<b>C. Atestarea studiilor (diploma + foi matricole) și a altor realizari profesionale</b>	<b>Diplomă de Licență</b> în domeniul <i>Chimie</i> , specializarea <i>Inginerie chimică</i> , nr. 2045 din 21.07.1994, emisă de <b>Universitatea POLITEHNICA București</b> <b>Foaie matricolă</b> copie după registrul matricol vol. XI nr. 1874	
	<b>Diplomă de Studii Aprofundate</b> , specializarea <i>Separări și purificări avansate</i> , nr. 344 din 6.12.2005, emisă de <b>Universitatea POLITEHNICA București</b>	
	<b>Certificat de absolvire, Program de formare psihopedagogică, nivelul I</b> , nr. 0278 din 12.02.2016, emis de <b>Universitatea POLITEHNICA București</b> <b>Foaie matricolă</b> copie după registrul matricol vol. I, anul 2014-2015	
	<b>Certificat de absolvire, Program de formare psihopedagogică, nivelul II</b> , nr. 0347 din 12.02.2016, emis de <b>Universitatea POLITEHNICA București</b> <b>Foaie matricolă</b> copie după registrul matricol vol. I, anul 2014-2015	
	<b>Diplomă de formator, Program de formare POSDRU/156/1.2/G/141040: Educație de calitate în învățământul superior de inginerie chimică (e-ChemEng), 2015</b>	

Subsemnata, **Oana Cristina PÂRVULESCU**, conferențiar în cadrul Departam. de INGINERIE CHIMICĂ ȘI BIOCHIMICĂ, Facultatea de CHIMIE APLICATĂ ȘI ȘTIINȚA MATERIALELOR, din Domeniul de Studii Univ. INGINERIE CHIMICĂ, arondat Comisiei de Specialitate CNATDCU [OMECTS 6573/2012] Nr. 8, **Comisia Inginerie Chimică, Inginerie Medicală, Știința Materialelor și Nanomateriale**, declar pe propria răspundere, cunoscând prevederile art. 292 privind falsul în declarații, din Legea 286/2009 - Codul Penal, că sunt îndeplinite toate Standardele minime prevăzute de Metodologia UPB 2013 pentru înscrierea la concurs [Secțiunea II.3], OMECTS 6560/2012 și OMEN nr. 4204/15.07.2013 [C + P], în momentul înscrierii la concurs, și susțin veridicitatea informațiilor prezentate în dosar și în materialul de mai sus. Lucrările considerate a fi incluse în Baza ISI Thomson Reuters sau în alte Baze de Date Internaționale [BDI] sunt vizibile în aceste baze, în dreptul numelui candidatului, la aceasta dată.

**Data**

**Oana Cristina PÂRVULESCU**

**20.03.2017**

## ARTICOLE PUBLICATE ÎN REVISTE COTATE ISI

1. Dobre, T., **Pârvulescu, O.C.\***, Stoica-Guzun, A., Stroescu, M., Jipa, I., Al Janabi, A.A.A., Heat and Mass Transfer in Fixed Bed Drying of Non-Deformable Porous Particles, *Int. J. Heat Mass Transfer*, 103, 478-485, 2016, ISSN:0017-9310, WOS:000384777800045 (FI=2,857).
2. Dobre, T., **Pârvulescu, O.C.\***, Jacquemet, A., Ion, V.A., Adsorption and Thermal Desorption of Volatile Organic Compounds in a Fixed Bed – Experimental and Modelling, *Chem. Eng. Comun.*, 203 (12), 1554-1561, 2016, ISSN:0098-6445 (Print), ISSN:1563-5201 (Online), WOS:000387245100004 (FI=1,433).
3. **Pârvulescu, O.C.**, Gavrilă, A.I., Dobre, T., Ceatră, L., Effects of Process Factors on Slow Pyrolysis of Sorghum Waste, *Rev. Chim. (Bucharest)*, 67 (11), 2254-2257, 2016, ISSN:0034-7752, WOS:000388361900027 (FI=0,956).
4. Ceatră, L., **Pârvulescu, O.C.\***, Rodriguez Ramos, I., Dobre, T., Preparation, Characterization, and Testing of a Carbon-Supported Catalyst Obtained by Slow Pyrolysis of Nickel Salt Impregnated Vegetal Material, *Ind. Eng. Chem. Res.*, 55 (6), 1491-1502, 2016, ISSN:0888-5885, WOS:000370583700004 (FI=2,587).
5. Al Janabi, A.A.A., **Pârvulescu, O.C.\***, Dobre, T., Ion, V.A., Pervaporation of Aqueous Ethanol Solutions through Pure and Composite Cellulose Membranes, *Rev. Chim. (Bucharest)*, 67 (1), 150-156, 2016, ISSN:0034-7752, WOS:000369524300034 (FI=0,956).
6. Al Janabi, A.A.A., Dobre, T., **Pârvulescu, O.C.\***, Danciu, T.D., Patrichi, C., Integrated System of Fed Batch ABE Biosynthesis and Solvent Recovery by Pervaporation, *Rev. Chim. (Bucharest)*, 66 (12), 2070-2078, 2015, ISSN:0034-7752, WOS:000368437100033 (FI=0,956).
7. Stroescu, M., Stoica, A., **Pârvulescu, O.C.**, Avram, M., Dobre, T., A Shrinking Core Model for Seeds Oil Extraction with Particularization to Camelina Oil Separation, *Chem. Eng. Res. Des.*, 97, 1-8, 2015, ISSN:0263-8762, WOS:000355034200001 (FI=2,525).
8. Ion, V.A., **Pârvulescu, O.C.\***, Dobre, T., Volatile Organic Compounds Adsorption onto Neat and Hybrid Cellulose, *Appl. Surf. Sci.*, 335, 137-146, 2015, ISSN:0169-4332, WOS:000351614000020 (FI=3,150).
9. Ion, V.A., **Pârvulescu, O.C.\***, Dobre, T., Duțeanu, N., Nițu, S.G., Modelling of Thermal Desorption of Volatile Organic Compounds from Activated Carbon, *Rev. Chim. (Bucharest)*, 66 (5), 703-706, 2015, ISSN:0034-7752, WOS:000355126000021 (FI=0,956).
10. Stroescu, M., Stoica-Guzun, A., Isopencu, G., Jinga, S.I., **Pârvulescu, O.C.**, Dobre, T., Vasilescu, M., Chitosan-Vanillin Composites with Antimicrobial Properties, *Food Hydrocolloid*, 48, 62-71, 2015, ISSN:0268-005X, WOS:000352697700008 (FI=3,858).
11. Stoica, A., Dobre, T., Stroescu, M., Sturzoiu, A., **Pârvulescu, O.C.**, From Laboratory to Scale-up by Modelling in Two Cases of  $\beta$ -Carotene Extraction from Vegetable Products, *Food Bioprod. Process.*, 94, 218-228, 2015, ISSN:0960-3085, WOS:000354140500022 (FI=2,687).
12. Jinescu, C., Aruș, V.A., **Pârvulescu, O.C.\***, Nistor, I.D., Modelling of Batch Lactic Acid Fermentation in the Presence of Anionic Clay, *Food Technol. Biotechnol.*, 52 (4), 448-458, 2014, ISSN:1330-9862, WOS:000347764200008 (FI=1,179).
13. Păvăloiu, R.D., Stroescu, M., **Pârvulescu, O.C.**, Dobre, T., Composite Hydrogels of Bacterial Cellulose – Carboxymethyl Cellulose for Drug Release, *Rev. Chim. (Bucharest)*, 65 (8), 948-951, 2014, ISSN:0034-7752, WOS:000340867000018 (FI=0,956).
14. Sandu Ohreac, B., Dobre, T., **Pârvulescu, O.C.\***, Danciu, T.D., Integration of ABE Solvents Fed-Batch Biosynthesis with Their Recovery by Gas-Stripping, *Rev. Chim. (Bucharest)*, 65 (5), 582-589, 2014, ISSN:0034-7752, WOS:000337011900017 (FI=0,956).
15. Dobre, T., Sandu Ohreac, B., **Pârvulescu, O.C.\***, Danciu, T.D., Effect of Solid Carriers on Oxygen Mass Transfer in a Stirred Tank Bioreactor, *Rev. Chim. (Bucharest)*, 65 (4), 489-496, 2014, ISSN:0034-7752, WOS:000338605100022 (FI=0,956).

16. Dobre, T., **Pârvulescu, O.C.\***, Iavorschi, G., Stroescu, M., Stoica, A., Volatile Organic Compounds Removal from Gas Streams by Adsorption onto Activated Carbon, *Ind. Eng. Chem. Res.*, 53 (9), 3622-3628, 2014, ISSN:0888-5885, WOS:000332684500021 (FI=2,587).
17. Dobre, T., **Pârvulescu, O.C.\***, Rodriguez Ramos, I., Ceatră, L., Stroescu, M., Stoica, A., Mirea, R., Global Reaction Kinetics and Enthalpy in Slow Pyrolysis of Vegetal Materials, *Rev. Chim. (Bucharest)*, 63 (1), 54-59, 2012, ISSN:0034-7752, WOS:000300866700011 (FI=0,956).
18. Aruş, V.A., **Pârvulescu, O.C.**, Jinescu, C., Nistor, I.D., Mathematical Modelling of Retention Process of Lactic Acid on Anionic Clay Particles Using Mechanical Mixing for Process Intensification, *Rev. Chim. (Bucharest)*, 62 (12), 1180-1184, 2011, ISSN:0034-7752, WOS:000298220300011 (FI=0,956).
19. Dobre, T., **Pârvulescu, O.C.\***, Sanchez-Marcano, J., Stoica, A., Stroescu, M., Iavorschi, G., Characterization of Gas Permeation through Stretched Polyisoprene Membranes, *Sep. Purif. Technol.*, 82, 202-209, 2011, ISSN:1383-5866, WOS:000296831500025 (FI=3,299).
20. **Pârvulescu, O.C.\***, Dobre, T., Ceatră, L., Iavorschi, G., Characteristics of Corn Grains Pyrolysis in a Fixed Bed Reactor, *Rev. Chim. (Bucharest)*, 62 (1), 89-94, 2011, ISSN:0034-7752, WOS:000288339400017 (FI=0,956).
21. Dobre, T., **Pârvulescu, O.C.\***, Stoica, A., Iavorschi, G., Characterization of Cooling Systems based on Heat Pipe Principle to Control Operation Temperature of High-Tech Electronic Components, *Appl. Therm. Eng.*, 30 (16), 2435-2441, 2010, ISSN:1359-4311, WOS:000282400200021 (FI=3,043).
22. Dobre, T., **Pârvulescu, O.C.\***, Iavorschi, G., Stoica, A., Stroescu, M., Catalytic Effects at Pyrolysis of Wheat Grains Impregnated with Nickel Salts, *International Journal of Chemical Reactor Engineering*, 8, 1968-1992, 2010, ISSN: 1542-6580, WOS: 000280497700003 (FI=0,759).
23. Dobre, T., **Pârvulescu, O.C.\***, Calotă, L., Jipa, I., Modelling of Fixed Bed Multicomponent Ion Exchange, *Rev. Chim. (Bucharest)*, 61 (2), 213-217, 2010, ISSN:0034-7752, WOS:000276216200020 (FI=0,956).
24. Dobre, T., **Pârvulescu, O.C.\***, Stoica, A., Stroescu, M., Experimental Investigation and Modelling of Inulin and Glycyrrhizin Extraction, *Rev. Chim. (Bucharest)*, 61 (1), 82-86, 2010, ISSN:0034-7752, WOS:000275350200020 (FI=0,956).
25. Dobre, T., Stoica, A., **Pârvulescu, O.C.\***, Stroescu, M., Iavorschi, G., Factors Influence on Bacterial Cellulose Growth in Static Reactors, *Rev. Chim. (Bucharest)*, 59 (5), 191-195, 2008, ISSN:0034-7752, WOS:000257684800023 (FI=0,956).
26. Dobre, T., **Pârvulescu, O.C.**, Iavorschi, G., Dobrea, I., 2006, Aspects Regarding Pyrolysis of Waste Tyres Rubber Mixtures and PET Particles, *Rev. Chim. (Bucharest)*, 57 (7), 658-665, 2006, ISSN:0034-7752, WOS:000241770900018 (FI=0,956).
27. Jinescu, G., Vasilescu, P., **Pârvulescu, O.C.**, The Hydrodynamics of the Three-Phase External-Loop Airlift Apparatus, *Rev. Chim. (Bucharest)*, 55 (8), 619-627, 2004, ISSN:0034-7752, WOS:000224082300012 (FI=0,956).
28. Vasilescu, P., **Pârvulescu, O.C.**, Jinescu, C., A Mathematical Model for Fixed Bed Ion Exchange Process, *Rev. Chim. (Bucharest)*, 49 (12), 829-836, 1998, ISSN:0034-7752, WOS:000081075100001 (FI=0,956).

## ARTICOLE PUBLICATE ÎN REVISTE COTATE ISI CA AUTOR PRINCIPAL

1. Dobre, T., **Pârvulescu, O.C.\***, Stoica-Guzun, A., Stroescu, M., Jipa, I., Al Janabi, A.A.A., Heat and mass transfer in fixed bed drying of non-deformable porous particles, *Int. J. Heat Mass Transfer*, 103, 478-485, 2016, ISSN:0017-9310, WOS:000384777800045 (FI=2,857).
2. Dobre, T., **Pârvulescu, O.C.\***, Jacquemet, A., Ion, V.A., Adsorption and Thermal Desorption of Volatile Organic Compounds in a Fixed Bed – Experimental and Modelling, *Chem. Eng. Comun.*, 203 (12), 1554-1561, 2016, ISSN:0098-6445 (Print), ISSN:1563-5201 (Online), WOS:000387245100004 (FI=1,433).
3. **Pârvulescu, O.C.**, Gavrilă, A.I., Dobre, T., Ceatră, L., Effects of Process Factors on Slow Pyrolysis of Sorghum Waste, *Rev. Chim. (Bucharest)*, 67 (11), 2254-2257, 2016, ISSN:0034-7752, WOS:000388361900027 (FI=0,956).
4. Ceatră, L., **Pârvulescu, O.C.\***, Rodriguez Ramos, I., Dobre, T., Preparation, Characterization, and Testing of a Carbon-Supported Catalyst Obtained by Slow Pyrolysis of Nickel Salt Impregnated Vegetal Material, *Ind. Eng. Chem. Res.*, 55 (6), 1491-1502, 2016, ISSN:0888-5885, WOS:000370583700004 (FI=2,587).
5. Al Janabi, A.A.A., **Pârvulescu, O.C.\***, Dobre, T., Ion, V.A., Pervaporation of Aqueous Ethanol Solutions through Pure and Composite Cellulose Membranes, *Rev. Chim. (Bucharest)*, 67 (1), 150-156, 2016, ISSN:0034-7752, WOS:000369524300034 (FI=0,956).
6. Al Janabi, A.A.A., Dobre, T., **Pârvulescu, O.C.\***, Danciu, T.D., Patrichi, C., Integrated System of Fed Batch ABE Biosynthesis and Solvent Recovery by Pervaporation, *Rev. Chim. (Bucharest)*, 66 (12), 2070-2078, 2015, ISSN:0034-7752, WOS:000368437100033 (FI=0,956).
7. Ion, V.A., **Pârvulescu, O.C.\***, Dobre, T., Volatile Organic Compounds Adsorption onto Neat and Hybrid Cellulose, *Appl. Surf. Sci.*, 335, 137-146, 2015, ISSN: 0169-4332, WOS:000351614000020 (FI=3,150).
8. Ion, V.A., **Pârvulescu, O.C.\***, Dobre, T., Duțeanu, N., Nițu, S.G., Modelling of Thermal Desorption of Volatile Organic Compounds from Activated Carbon, *Rev. Chim. (Bucharest)*, 66 (5), 703-706, 2015, ISSN:0034-7752, WOS:000355126000021 (FI=0,956).
9. Jinescu, C., Aruș, V.A., **Pârvulescu, O.C.\***, Nistor, I.D., Modelling of Batch Lactic Acid Fermentation in the Presence of Anionic Clay, *Food Technol. Biotechnol.*, 52 (4), 448-458, 2014, ISSN:1330-9862, WOS:000347764200008 (FI=1,179).
10. Sandu Ohreac, B., Dobre, T., **Pârvulescu, O.C.\***, Danciu, T.D., Integration of ABE Solvents Fed-Batch Biosynthesis with Their Recovery by Gas-Stripping, *Rev. Chim. (Bucharest)*, 65 (5), 582-589, 2014, ISSN:0034-7752, WOS:000337011900017 (FI=0,956).
11. Dobre, T., Sandu Ohreac, B., **Pârvulescu, O.C.\***, Danciu, T.D., Effect of Solid Carriers on Oxygen Mass Transfer in a Stirred Tank Bioreactor, *Rev. Chim. (Bucharest)*, 65 (4), 489-496, 2014, ISSN:0034-7752, WOS:000338605100022 (FI=0,956).
12. Dobre, T., **Pârvulescu, O.C.\***, Iavorschi, G., Stroescu, M., Stoica, A., Volatile Organic Compounds Removal from Gas Streams by Adsorption onto Activated Carbon, *Ind. Eng. Chem. Res.*, 53 (9), 3622-3628, 2014, ISSN:0888-5885, WOS:000332684500021 (FI=2,587).
13. Dobre, T., **Pârvulescu, O.C.\***, Rodriguez Ramos, I., Ceatră, L., Stroescu, M., Stoica, A., Mirea, R., Global Reaction Kinetics and Enthalpy in Slow Pyrolysis of Vegetal Materials, *Rev. Chim. (Bucharest)*, 63 (1), 54-59, 2012, ISSN:0034-7752, WOS:000300866700011 (FI=0,956).
14. Dobre, T., **Pârvulescu, O.C.\***, Sanchez-Marcano, J., Stoica, A., Stroescu, M., Iavorschi, G., Characterization of Gas Permeation through Stretched Polyisoprene Membranes, *Sep. Purif. Technol.*, 82, 202-209, 2011, ISSN:1383-5866, WOS:000296831500025 (FI=3,299).
15. **Pârvulescu, O.C.\***, Dobre, T., Ceatră, L., Iavorschi, G., Characteristics of Corn Grains Pyrolysis in a Fixed Bed Reactor, *Rev. Chim. (Bucharest)*, 62 (1), 89-94, 2011, ISSN:0034-7752, WOS:000288339400017 (FI=0,956).

16. Dobre, T., **Pârvulescu, O.C.\***, Stoica, A., Iavorschi, G., Characterization of Cooling Systems based on Heat Pipe Principle to Control Operation Temperature of High-Tech Electronic Components, *Appl. Therm. Eng.*, 30 (16), 2435-2441, 2010, ISSN:1359-4311, WOS:000282400200021 (FI=3,043).
17. Dobre, T., **Pârvulescu, O.C.\***, Iavorschi, G., Stoica, A., Stroescu, M., Catalytic Effects at Pyrolysis of Wheat Grains Impregnated with Nickel Salts, *International Journal of Chemical Reactor Engineering*, 8, 1968-1992, 2010, ISSN:1542-6580, WOS:000280497700003 (FI=0,759).
18. Dobre, T., **Pârvulescu, O.C.\***, Calotă, L., Jipa, I., Modelling of Fixed Bed Multicomponent Ion Exchange, *Rev. Chim. (Bucharest)*, 61 (2), 213-217, 2010, ISSN:0034-7752, WOS:000276216200020 (FI=0,956).
19. Dobre, T., **Pârvulescu, O.C.\***, Stoica, A., Stroescu, M., Experimental Investigation and Modelling of Inulin and Glycyrrhizin Extraction, *Rev. Chim. (Bucharest)*, 61 (1), 82-86, 2010, ISSN:0034-7752, WOS:000275350200020 (FI=0,956).
20. Dobre, T., Stoica, A., **Pârvulescu, O.C.\***, Stroescu, M., Iavorschi, G., Factors Influence on Bacterial Cellulose Growth in Static Reactors, *Rev. Chim. (Bucharest)*, 59 (5), 191-195, 2008, ISSN:0034-7752, WOS:000257684800023 (FI=0,956).

**FIȘA DE CALCUL**  
pentru factorul de impact cumulat (FIC)

No.	Referința bibliografică	FI	Na	Autor princ.	FI/Na
1	Dobre, T., <b>Pârvulescu, O.C.*</b> , Stoica-Guzun, A., Stroescu, M., Jipa, I., Al Janabi, A.A.A., Heat and mass transfer in fixed bed drying of non-deformable porous particles, <i>Int. J. Heat Mass Transfer</i> , 103, 478-485, 2016, ISSN:0017-9310, WOS:000384777800045.	2,857	6	da	2,857
2	Dobre, T., <b>Pârvulescu, O.C.*</b> , Jacquemet, A., Ion, V.A., Adsorption and Thermal Desorption of Volatile Organic Compounds in a Fixed Bed – Experimental and Modelling, <i>Chem. Eng. Comun.</i> , 203 (12), 1554-1561, 2016, ISSN:0098-6445 (Print), ISSN:1563-5201 (Online), WOS:000387245100004.	1,433	4	da	1,433
3	<b>Pârvulescu, O.C.</b> , Gavrilă, A.I., Dobre, T., Ceatră, L., Effects of Process Factors on Slow Pyrolysis of Sorghum Waste, <i>Rev. Chim. (Bucharest)</i> , 67 (11), 2254-2257, 2016, ISSN:0034-7752, WOS:000388361900027.	0,956	4	da	0,956
4	Ceatră, L., <b>Pârvulescu, O.C.*</b> , Rodriguez Ramos, I., Dobre, T., Preparation, Characterization, and Testing of a Carbon-Supported Catalyst Obtained by Slow Pyrolysis of Nickel Salt Impregnated Vegetal Material, <i>Ind. Eng. Chem. Res.</i> , 55 (6), 1491-1502, 2016, ISSN:0888-5885, WOS:000370583700004.	2,587	4	da	2,587
5	Al Janabi, A.A.A., <b>Pârvulescu, O.C.*</b> , Dobre, T., Ion, V.A., Pervaporation of Aqueous Ethanol Solutions through Pure and Composite Cellulose Membranes, <i>Rev. Chim. (Bucharest)</i> , 67 (1), 150-156, 2016, ISSN:0034-7752, WOS:000369524300034.	0,956	4	da	0,956
6	Al Janabi, A.A.A., Dobre, T., <b>Pârvulescu, O.C.*</b> , Danciu, T.D., Patrichi, C., Integrated System of Fed Batch ABE Biosynthesis and Solvent Recovery by Pervaporation, <i>Rev. Chim. (Bucharest)</i> , 66 (12), 2070-2078, 2015, ISSN:0034-7752, WOS:000368437100033.	0,956	5	da	0,956
7	Stroescu, M., Stoica, A., <b>Pârvulescu, O.C.</b> , Avram, M., Dobre, T., A Shrinking Core Model for Seeds Oil Extraction with Particularization to Camelina Oil Separation, <i>Chem. Eng. Res. Des.</i> , 97, 1-8, 2015, ISSN:0263-8762, WOS:000355034200001.	2,525	5	nu	0,505
8	Ion, V.A., <b>Pârvulescu, O.C.*</b> , Dobre, T., Volatile Organic Compounds Adsorption onto Neat and Hybrid Cellulose, <i>Appl. Surf. Sci.</i> , 335, 137-146, 2015, ISSN:0169-4332, WOS:000351614000020.	3,150	3	da	3,150
9	Ion, V.A., <b>Pârvulescu, O.C.*</b> , Dobre, T., Duțeanu, N., Nițu, S.G., Modelling of Thermal Desorption of Volatile Organic Compounds from Activated Carbon, <i>Rev. Chim. (Bucharest)</i> , 66 (5), 703-706, 2015, ISSN:0034-7752, WOS:000355126000021.	0,956	5	da	0,956
10	Stroescu, M., Stoica-Guzun, A., Isopencu, G., Jinga, S.I., <b>Pârvulescu, O.C.</b> , Dobre, T., Vasilescu, M., Chitosan-Vanillin Composites with Antimicrobial Properties, <i>Food Hydrocolloid</i> , 48, 62-71, 2015, ISSN:0268-005X, WOS:000352697700008.	3,858	7	nu	0,551
11	Stoica, A., Dobre, T., Stroescu, M., Sturzoiu, A., <b>Pârvulescu, O.C.</b> , From Laboratory to Scale-up by Modelling in Two Cases of $\beta$ -Carotene Extraction from Vegetable Products, <i>Food Bioprod. Process.</i> , 94, 218-228, 2015, ISSN:0960-3085, WOS:000354140500022.	2,687	5	nu	0,537
12	Jinescu, C., Aruș, V.A., <b>Pârvulescu, O.C.*</b> , Nistor, I.D., Modelling of Batch Lactic Acid Fermentation in the Presence of Anionic Clay, <i>Food Technol. Biotechnol.</i> , 52 (4), 448-458, 2014, ISSN:1330-9862, WOS:000347764200008.	1,179	4	da	1,179
13	Păvăloiu, R.D., Stroescu, M., <b>Pârvulescu, O.C.</b> , Dobre, T., Composite Hydrogels of Bacterial Cellulose – Carboxymethyl Cellulose for Drug Release, <i>Rev. Chim. (Bucharest)</i> , 65 (8), 948-951, 2014, ISSN:0034-7752, WOS:000340867000018.	0,956	4	nu	0,239
14	Sandu Ohreac, B., Dobre, T., <b>Pârvulescu, O.C.*</b> , Danciu, T.D., Integration of ABE Solvents Fed-Batch Biosynthesis with Their Recovery by Gas-Stripping, <i>Rev. Chim. (Bucharest)</i> , 65 (5), 582-589, 2014, ISSN:0034-7752, WOS:000337011900017.	0,956	4	da	0,956
15	Dobre, T., Sandu Ohreac, B., <b>Pârvulescu, O.C.*</b> , Danciu, T.D., Effect of Solid Carriers on Oxygen Mass Transfer in a Stirred Tank Bioreactor, <i>Rev. Chim. (Bucharest)</i> , 65 (4), 489-496, 2014, ISSN:0034-7752, WOS:000338605100022.	0,956	4	da	0,956

16	Dobre, T., <b>Pârvulescu, O.C.*</b> , Iavorschi, G., Stroescu, M., Stoica, A., Volatile Organic Compounds Removal from Gas Streams by Adsorption onto Activated Carbon, <i>Ind. Eng. Chem. Res.</i> , 53 (9), 3622-3628, 2014, ISSN:0888-5885, WOS:000332684500021.	2,587	5	da	2,587
17	Dobre, T., <b>Pârvulescu, O.C.*</b> , Rodriguez Ramos, I., Ceatră, L., Stroescu, M., Stoica, A., Mirea, R., Global Reaction Kinetics and Enthalpy in Slow Pyrolysis of Vegetal Materials, <i>Rev. Chim. (Bucharest)</i> , 63 (1), 54-59, 2012, ISSN:0034-7752, WOS:000300866700011.	0,956	7	da	0,956
18	Aruș, V.A., <b>Pârvulescu, O.C.</b> , Jinescu, C., Nistor, I.D., Mathematical Modelling of Retention Process of Lactic Acid on Anionic Clay Particles Using Mechanical Mixing for Process Intensification, <i>Rev. Chim. (Bucharest)</i> , 62 (12), 1180-1184, 2011, ISSN:0034-7752, WOS:000298220300011.	0,956	4	nu	0,239
19	Dobre, T., <b>Pârvulescu, O.C.*</b> , Sanchez-Marcano, J., Stoica, A., Stroescu, M., Iavorschi, G., Characterization of Gas Permeation through Stretched Polyisoprene Membranes, <i>Sep. Purif. Technol.</i> , 82, 202-209, 2011, ISSN:1383-5866, WOS:000296831500025.	3,299	6	da	3,299
20	<b>Pârvulescu, O.C.*</b> , Dobre, T., Ceatră, L., Iavorschi, G., Characteristics of Corn Grains Pyrolysis in a Fixed Bed Reactor, <i>Rev. Chim. (Bucharest)</i> , 62 (1), 89-94, 2011, ISSN:0034-7752, WOS:000288339400017.	0,956	4	da	0,956
21	Dobre, T., <b>Pârvulescu, O.C.*</b> , Stoica, A., Iavorschi, G., Characterization of Cooling Systems based on Heat Pipe Principle to Control Operation Temperature of High-Tech Electronic Components, <i>Appl. Therm. Eng.</i> , 30 (16), 2435-2441, 2010, ISSN:1359-4311, WOS:000282400200021.	3,043	4	da	3,043
22	Dobre, T., <b>Pârvulescu, O.C.*</b> , Iavorschi, G., Stoica, A., Stroescu, M., Catalytic Effects at Pyrolysis of Wheat Grains Impregnated with Nickel Salts, <i>International Journal of Chemical Reactor Engineering</i> , 8, 1968-1992, 2010, ISSN:1542-6580, WOS:000280497700003.	0,759	5	da	0,759
23	Dobre, T., <b>Pârvulescu, O.C.*</b> , Calotă, L., Jipa, I., Modelling of Fixed Bed Multicomponent Ion Exchange, <i>Rev. Chim. (Bucharest)</i> , 61 (2), 213-217, 2010, ISSN:0034-7752, WOS:000276216200020.	0,956	4	da	0,956
24	Dobre, T., <b>Pârvulescu, O.C.*</b> , Stoica, A., Stroescu, M., Experimental Investigation and Modelling of Inulin and Glycyrrhizin Extraction, <i>Rev. Chim. (Bucharest)</i> , 61 (1), 82-86, 2010, ISSN:0034-7752, WOS:000275350200020.	0,956	4	da	0,956
25	Dobre, T., Stoica, A., <b>Pârvulescu, O.C.*</b> , Stroescu, M., Iavorschi, G., Factors Influence on Bacterial Cellulose Growth in Static Reactors, <i>Rev. Chim. (Bucharest)</i> , 59 (5), 191-195, 2008, ISSN:0034-7752, WOS:000257684800023.	0,956	5	da	0,956
26	Dobre, T., <b>Pârvulescu, O.C.</b> , Iavorschi, G., Dobrea, I., 2006, Aspects Regarding Pyrolysis of Waste Tyres Rubber Mixtures and PET Particles, <i>Rev. Chim. (Bucharest)</i> , 57 (7), 658-665, 2006, ISSN:0034-7752, WOS:000241770900018.	0,956	4	nu	0,239
27	Jinescu, G., Vasilescu, P., <b>Pârvulescu, O.C.</b> , The Hydrodynamics of the Three-Phase External-Loop Airlift Apparatus, <i>Rev. Chim. (Bucharest)</i> , 55 (8), 619-627, 2004, ISSN:0034-7752, WOS:000224082300012.	0,956	3	nu	0,319
28	Vasilescu, P., <b>Pârvulescu, O.C.</b> , Jinescu, C., A Mathematical Model for Fixed Bed Ion Exchange Process, <i>Rev. Chim. (Bucharest)</i> , 49 (12), 829-836, 1998, ISSN:0034-7752, WOS:000081075100001.	0,956	3	nu	0,319
29	Dobre, T., Iavorschi, G., <b>Pârvulescu, O.C.</b> , Rivallin, M., Sanchez M.J., Stoica, A., Stroescu, M.C., Membranes and Sorbents Developed from the Composite System Cellulose/Biocellulose-Silica Gel, Patent No.:RO127026-A2, 2012, DIIDW:2012D53498.				1
<b>FIC</b>					<b>35,358</b>

## Lista de citări din baza de date SCOPUS

1. Dobre, T., **Pârvulescu, O.C.\***, Stoica, A., Iavorschi, G., Characterization of Cooling Systems based on Heat Pipe Principle to Control Operation Temperature of High-Tech Electronic Components, *Applied Thermal Engineering*, 30 (16), 2435-2441, 2010, ISSN:1359-4311, WOS:000282400200021.

1/1.	Li, B., Hong, J., Ge, L., Constructal Design of Internal Cooling Geometries in Heat Conduction System Using the Optimality of Natural Branching Structures, <i>International Journal of Thermal Sciences</i> , 115, 16-28, 2017, ISSN:1290-0729.
1/2.	Ventola, L., Dialameh, M., Fasano, M., Chiavazzo, E., Asinari, P., Convective Heat Transfer Enhancement by Diamond Shaped Micro-Protruded Patterns for Heat Sinks: Thermal Fluid Dynamic Investigation and Novel Optimization Methodology, <i>Applied Thermal Engineering</i> , 91, 556-573, 2016, ISSN:1359-4311.
1/3.	Mahdavi, M., Qiu, S., Mathematical Modeling and Analysis of Steady State Performance of a Heat Pipe Network, <i>Applied Thermal Engineering</i> , 91, 556-573, 2015, ISSN:1359-4311.
1/4.	Jeong, Y.S., Kim, K.M., Kim, I.G., Bang, I.C., Hybrid Heat Pipe Based Passive in-Core Cooling System for Advanced Nuclear Power Plant, <i>Applied Thermal Engineering</i> , 90, 609-618, 2015, ISSN:1359-4311.
1/5.	Mahdavi, M., Qiu, S., Tiari, S., Numerical Investigation of Hydrodynamics and Thermal Performance of a Specially Configured Heat Pipe for High-Temperature Thermal Energy Storage Systems, <i>Applied Thermal Engineering</i> , 81, 325-337, 2015, ISSN:1359-4311.
1/6.	Li, X.B., Wang, X., Ma, Y.S., Cao, Z.L., Research on Thermal Resistance of Micro Heat Pipe with Sintered Wick, <i>Key Engineering Materials</i> , 589-590, 552-558, 2014, ISSN:1013-9826.
1/7.	Draman, S.F.S., Daik, R., El-Sheikh, Thermally Conductive Adhesive from Chemically Modified Cellulose and Nanoparticle of Surfactant - Doped Polypyrrole, <i>Macromolecular Symposia</i> , 353 (1), 24-30, 2015, ISSN:1521-3900 (Online).
1/8.	Draman, S.F.S., Daik, R., El-Sheikh, S.M., Latif, F.A., Nanocomposites of Cellulose-Based Adhesive and Toluenesulfonic Acid-Doped Polypyrrole Prepared via Colloidal Dispersion, <i>Journal of Reinforced Plastics and Composites</i> , 32 (20), 1553-1560, 2013, ISSN:0731-6844.
1/9.	Draman, S.F.S., Daik, R., El-Sheikh, S.M., Latif, F.A., Composites of Cellulose-Based Adhesive and Toluenesulfonic Acid-Doped Polypyrrole Prepared via Colloidal Dispersion, <i>8<sup>th</sup> Asian-Australasian Conference on Composite Materials (ACCM) - Composites: Enabling Tomorrow's Industry Today</i> , Kuala Lumpur, Malaysia, 6-8 November 2012, 2, 920-926.
1/10.	Draman, S.F.S., Daik, R., Latif, F.A., El-Sheikh, S.M., Synthesis and Characterization of Modified Cellulose and Doped-Polypyrrole Composite as Thermally Conductive Adhesive, <i>15<sup>th</sup> European Conference on Composite Materials (ECCM)</i> , Venice, Italy, 24-28 June 2012.
1/11.	Li, X.B., Wang, J., Hu, Q., Bao, L., Zhang, H., Wang, C., Capillary Limit of Micro Heat Pipe with Compound Structure of a Sintered Wick on Trapezium-Grooved Substrate, <i>Electrical Review</i> , 88 (9b), 141-144, 2012, ISSN:0033-2097.
1/12.	Shih, C.C., Chen, C.C., Chang, C.C., Chen, S.L., Dynamic Test Strategy for Diagnosing a Heat Pipe Cooling Module, <i>International Communications in Heat and Mass Transfer</i> , 39 (4), 494-503, 2012, ISSN:0735-1933.

2. Aruș, V.A., **Pîrvulescu, O.C.**, Jinescu, C., Nistor, I.D., Mathematical Modelling of Retention Process of Lactic Acid on Anionic Clay Particles Using Mechanical Mixing for Process Intensification, *Revista de Chimie (Bucharest)*, 62 (12), 1180-1184, 2011, ISSN:0034-7752, WOS:000298220300011.

2/1.	Azzouz, A., Aruș, V.A., Platon, N., Nistor, I.D., Lactic Acid Retention by CO <sub>3</sub> -Mg-Al Layered Double Hydroxides for Improved Milk Clotting - An Approach through Acidity Measurements, <i>Revista de Chimie (Bucharest)</i> , 67 (7), 1348-1355, 2016, ISSN:0034-7752.
2/2.	Panaiteșcu, C., Jinescu, C., Mareș, A.M., Study on Ethylenediamine Removal from Textile Industry Wastewater, <i>Revista de Chimie (Bucharest)</i> , 67 (5), 925-928, 2016, ISSN:0034-7752.
2/3.	Panaiteșcu, C., Stoica, M.E., Enhancing of COD Treatment in the Physico-chemical Stage of Refinery Wastewater Treatment Plants, <i>Revista de Chimie (Bucharest)</i> , 66 (5), 728-731, 2015, ISSN:0034-7752.
2/4.	Muntianu, G., Platon, N., Mardaru, A., Nistor, I.D., Miron, N.D., Jinescu, G., Use of Modified Clays Obtained by Pillaring in Gas Purification, <i>UPB Scientific Bulletin, Series B</i> , 77 (3), 151-164, 2015, ISSN:1454-2331.
2/5.	Spanu, A., Dontu, O., Besnea, D., Avram, M., Improvements on Design of Propeller for Chemical Compound Mixer, <i>Revista de Chimie (Bucharest)</i> , 66 (3), 422-425, 2015, ISSN:0034-7752.



2/6.	Muntianu, G., Ursu, A.V., Jinescu, C., Djelveh, G., Nistor, I.D., Jinescu, G., Intensification of Ammonia Adsorption Kinetics using Al-pillared Clay Particles in a Co-axial Magnetic Fluidized Bed, <i>Revista de Chimie (Bucharest)</i> , 66 (3), 295-298, 2015, ISSN:0034-7752.
2/7.	Aruş, V.A., Nistor, I.D., Platon, N., Roşu, A.M., Muntianu, G., Jinescu, C., Statistical Modelling and Optimization of Lactic Acid Fermentation in the Presence of Anionic Clay and Ultrasonic Field, <i>Revista de Chimie (Bucharest)</i> , 66 (1), 88-91, 2015, ISSN:0034-7752.
2/8.	Muntianu, G., Ursu, A.V., Djelveh, G., Isopencu, G., Mareş, A.M., Nistor, I.D., Jinescu, C., Dynamic Parameters for Mixtures of Pillared Clay-Magnetic Particles in Fluidized Bed in Coaxial Magnetic Field, <i>Revista de Chimie (Bucharest)</i> , 65 (9), 1077-1085, 2014, ISSN:0034-7752.
2/9.	Aruş, V.A., Jinescu, C., Nistor, I.D., Isopencu, G., Ultrasound Intensification of Lactic Fermentation Process in the Presence of Anionic Clays, <i>Revista de Chimie (Bucharest)</i> , 65 (8), 942-947, 2014, ISSN:0034-7752.

3. Stroescu, M., Stoica-Guzun, A., Isopencu, G., Jinga, S.I., **Pârvulescu, O.C.**, Dobre, T., Vasilescu, M., Chitosan-Vanillin Composites with Antimicrobial Properties, *Food Hydrocolloid*, 48, 62-71, 2015, ISSN:0268-005X, WOS:000352697700008.

3/1.	Yang, H.J., Lee, J.H., Lee, K.Y., Song, K.B., Antimicrobial Effect of an <i>Undaria Pinnatifida</i> Composite Film Containing Vanillin against <i>Escherichia Coli</i> and Its Application in the Packaging Of Smoked Chicken Breast, <i>International Journal of Food Science and Technology</i> , 52 (2), 398-403, 2017, ISSN:0950-5423, E-ISSN:1365-2621.
3/2.	Wu, M., Long, Z., Xiao, H., Dong, C., Recent Research Progress on Preparation and Application of N, N, N-Trimethyl Chitosan, <i>Carbohydrate Research</i> , 434, 27-32, 2016, ISSN:0008-6215.
3/3.	Rezaei, A., Nasirpour, A., Tavanai, H., Fathi, M., A Study on the Release Kinetics and Mechanisms of Vanillin Incorporated in Almond Gum/Polyvinyl Alcohol Composite Nanofibers in Different Aqueous Food Simulants and Simulated Saliva, <i>Flavour and Fragrance Journal</i> , 31 (6), 442-447, 2016, ISSN:1099-1026 (Online). <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-84977482334&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=nasirpour&amp;st2=%e2%80%a2%09a&amp;nlo=1&amp;nlr=20&amp;nls=count-f&amp;sid=BFA83CA9760D48478D91CF632F004643.wsnAw8kcdt7IPYLO0V48gA%3a473&amp;sot=anl&amp;sdt=aut&amp;sl=35&amp;s=AU-ID%28%22Nasirpour%2c+Ali%22+55992848500%29&amp;relpos=5&amp;citeCnt=0&amp;searchTerm=">https://www.scopus.com/record/display.uri?eid=2-s2.0-84977482334&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=nasirpour&amp;st2=%e2%80%a2%09a&amp;nlo=1&amp;nlr=20&amp;nls=count-f&amp;sid=BFA83CA9760D48478D91CF632F004643.wsnAw8kcdt7IPYLO0V48gA%3a473&amp;sot=anl&amp;sdt=aut&amp;sl=35&amp;s=AU-ID%28%22Nasirpour%2c+Ali%22+55992848500%29&amp;relpos=5&amp;citeCnt=0&amp;searchTerm=</a>
3/4.	Lee, K.Y., Lee, J.H., Yang, H.J., Song, K.B., Characterization of a Starfish Gelatin Film Containing Vanillin and Its Application in the Packaging of Crab Stick, <i>Food Science and Biotechnology</i> , 25 (4), 1023-1028, 2016, ISSN:1226-7708 (Print), ISSN:2092-6456 (Online).
3/5.	Liu, J., Meng, C.G., Yan, Y.H., Shan, Y.N., Kan, J., Jin, C.H., Protocatechuic Acid Grafted onto Chitosan: Characterization and Antioxidant Activity, <i>International Journal of Biological Macromolecules</i> , 89, 518-526, 2016, ISSN:0141-8130.
3/6.	Cai, B., Zou, Q., Zuo, Y., Limei, L., Yang, B., Li, Y., Fabrication and Cell Viability of Injectable N-HA/Chitosan Composite Microspheres for Bone Tissue Engineering, <i>RSC Advances</i> , 6 (89), 85735-85744, 2016, ISSN:2046-2069.
3/7.	Busuioc, L.T., Simonescu, C.M., Patescu, R.E., Onose, C., Melinte, I., Capatina, C., Popovici, R.A., Cristea, T., The Kinetic and Modelling Study of Zinc Sorption onto Chitosan-Glutaraldehyde Beads, <i>Revista de Chimie (Bucharest)</i> , 66 (11), 1728-1732, 2015, ISSN:0034-7752.
3/8.	Silveira, A.C., Moreira, G.C., Artés, F., Aguayo, E., Vanillin and Cinnamic Acid in Aqueous Solutions or in Active Modified Packaging Preserve the Quality of Fresh-Cut Cantaloupe Melon, <i>Scientia Horticulture</i> , 192, 271-278, 2015, ISSN:0304-4238.
3/9.	Xavier, J.R., Babusha, S.T., George, J., Ramana, K.V., Material Properties and Antimicrobial Activity of Polyhydroxybutyrate (PHB) Films Incorporated with Vanillin, <i>Applied Biochemistry and Biotechnology</i> , 176 (5), 1498-1510, 2015, ISSN:0273-2289 (Print), ISSN:1559-0291 (Online).

4. Dobre, T., Stoica, A., **Pârvulescu, O.C.\***, Stroescu, M., Iavorschi, G., Factors Influence on Bacterial Cellulose Growth in Static Reactors, *Revista de Chimie (Bucharest)*, 59 (5), 191-195, 2008, ISSN:0034-7752, WOS:000257684800023.

4/1.	Aruş, V.A., Nistor, I.D., Platon, N., Roşu, A.M., Muntianu, G., Jinescu, C., Statistical Modelling and Optimization of Lactic Acid Fermentation in the Presence of Anionic Clay and Ultrasonic Field, <i>Revista de Chimie (Bucharest)</i> , 66 (1), 88-91, 2015, ISSN:0034-7752.
4/2.	Păvăloiu, R.D., Stoica-Guzun, A., Stroescu, M., Dobre, T., Use of Bacterial Cellulose as Reinforcement Agent and as Coating Agent in Drug Release Applications, <i>Revista de Chimie (Bucharest)</i> , 65 (7), 852-855, 2014, ISSN:0034-7752.
4/3.	Manea, V., Sturzoiu, C., Câmpeanu, G., Rădulescu, G., Israel-Roming, F., Casarica, A., Stoian, G., Study on Alcoholic Fermentation of Different Sweet Sorghum Extracts by <i>Zymomonas Mobilis</i> Strains, <i>Revista de Chimie (Bucharest)</i> , 63 (11), 1158-1163, 2012, ISSN:0034-7752.
4/4.	Chiciudean, T.G., Stoica, A., Dobre, T., van Tooren, M., Synthesis and Characterization of Poly (Vinyl Alcohol)-Bacterial Cellulose Nanocomposite, <i>UPB Scientific Bulletin, Series B</i> , 73 (2), 17-30, 2011, ISSN:1454-2331.

5. Dobre, T., Pârvulescu, O.C.\*, Iavorschi, G., Stroescu, M., Stoica, A., Volatile Organic Compounds Removal from Gas Streams by Adsorption onto Activated Carbon, *Industrial & Engineering Chemistry Research*, 53 (9), 3622-3628, 2014, ISSN:0888-5885, WOS:000332684500021.

5/1.	Hu, L., Cheng, W., Zhang, W., Wu, F., Peng, S., Li, J. Monolithic Bamboo-Based Activated Carbons for Dynamic Adsorption of Toluene, <i>Journal of Porous Materials</i> , 24 (2), 541-549, 2017, ISSN:1380-2224 (Print), ISSN:1573-4854 (Online).
5/2.	Sui, H., An, P., Li, X., Cong, S., He, L., Removal and Recovery of o-Xylene by Silica Gel Using Vacuum Swing Adsorption, <i>Chem. Eng. J.</i> , 316, 232-242, 2017, ISSN:1385-8947.
5/3.	Oh, J., Floyd, E.L., Watson, T.C., Lungu, C.T., Fabrication and Adsorption Characterization of Single-Walled Carbon Nanotube (SWNT) Bucky paper (BP) for Use in Air Samplers, <i>Analytical Methods</i> , 8, 4197-4203, 2016, ISSN:0003-2654.
5/4.	Raso, R.A., Zeltner, M., W.J., Indoor Air Purification Using Activated Carbon Adsorbers: Regeneration Using Catalytic Combustion of Intermediately Stored VOC, <i>Industrial &amp; Engineering Chemistry Research</i> , 53 (49), 19304-19312, 2014, ISSN:0888-5885.
5/5.	Ahmed, E., Rothenberger, A., Adsorption of Volatile Hydrocarbons in Iron Polysulfide Chalcogels, <i>Microporous and Mesoporous Materials</i> , 199, 74-82, 2014, ISSN:1387-1811.

6. Dobre, T, Pârvulescu, O.C.\*, Sanchez-Marcano, J., Stoica, A., Stroescu, M., Iavorschi, G., Characterization of Gas Permeation through Stretched Polyisoprene Membranes, *Separation and Purification Technology*, 82, 202-209, 2011, ISSN:1383-5866, WOS:000296831500025.

6/1.	Nor, F.M., Othaman, R., Effects of MgO Particle Loading on Gas Permeation Properties of Epoxidized Natural Rubber (ENR) / Polyvinyl Chloride (PVC) Membrane, <i>Sains Malaysiana</i> , 44(6), 875-881, 2015, ISSN:0126-6039.
6/2.	Farrukh, S., Minhas, F.T., Hussain, A., Memon, S., Bhangar, M.I., Mujahid, M., Preparation, Characterization, and Applicability of Novel Calix[4]Arene-Based Cellulose Acetate Membranes in Gas Permeation, <i>Journal of Applied Polymer Science</i> , 131(6), 39985 (1-9), 2014, ISSN:0021-8995.
6/3.	Rakkapao, N., Molecular Dynamics Simulation of Gas Transport in Polyisoprene Matrix, <i>Advanced Materials Research</i> , 844, 209-213, 2014, ISSN:1022-6680.

7. Jinescu, G., Vasilescu, P., Pârvulescu, O.C., The Hydrodynamics of the Three-Phase External-Loop Airlift Apparatus, *Revista de Chimie (Bucharest)*, 55 (8), 619-627, 2004, ISSN:0034-7752, WOS:000224082300012.

7/1.	Popa, M., Onuțu, I., Fluid-Dynamics Characteristics Concerning the Fixed Bed Usage of Ring Particles, <i>Revista de Chimie (Bucharest)</i> , 61 (1), 94-97, 2010, ISSN:0034-7752.
7/2.	Popa, M., Onuțu, I., Study of Heat Convective Transfer for a Fixed Bed of Ring Particles, <i>Revista de Chimie (Bucharest)</i> , 60 (11), 1185-1188, 2009, ISSN:0034-7752.

8. Dobre, T., Calotă, L., Pârvulescu, O.C., Iavorschi, G., Use of Experimental Breakthrough Curves for Ion Exchange Process Optimization, *UPB Scientific Bulletin, Series B*, 68 (4), 13-26, 2006, ISSN:1454-2331.

8/1.	Piscureanu, A., Chican, I., Varasteanu, D., Dulama, M., Ruse, M., Aspects Concerning the Selection of Ion Exchange Resin for Low Level Radwaste Waters Decontamination, <i>Revista de Chimie (Bucharest)</i> , 66 (11), 1819-1825, 2015, ISSN: 0034-7752.
8/2.	Filenco-Olteanu, A., Dobre, T., Rădulescu, R., Pañțuru, E., Pañțuru, R., Selective Recovery of Gold from Hydrochloric Solutions with Amberlite XAD-7 Ion-Exchanger Resin, <i>UPB Scientific Bulletin, Series B</i> , 72 (3), 233-242, 2010, ISSN:1454-2331.

9. Vasilescu, P., Pârvulescu, O.C., Jinescu, C., A Mathematical Model for Fixed Bed Ion Exchange Process, *Revista de Chimie (Bucharest)*, 49 (12), 829-836, 1998, ISSN:0034-7752, WOS:000081075100001.

19/1.	Puyate, Y.T., Lawrence, C.J., Steady State Solutions for Chloride Distribution due to Wick Action in Concrete, <i>Chemical Engineering Science</i> , 55, 3329-3334, 2000, ISSN:0009-2509.
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10. Sandu Ohreac, B., Dobre, T., **Pârvulescu, O.C.\***, Danciu, T.D., Integration of ABE Solvents Fed-Batch Biosynthesis with Their Recovery by Gas-Stripping, *Revista de Chimie (Bucharest)*, 65 (5), 582-589, 2014, ISSN:0034-7752, WOS:000337011900017.

10/1. Aruş, V.A., Nistor, I.D., Platon, N., Roşu, A.M., Muntianu, G., Jinescu, C., Statistical Modelling and Optimization of Lactic Acid Fermentation in the Presence of Anionic Clay and Ultrasonic Field, *Revista de Chimie (Bucharest)*, 66 (1), 88-91, 2015, ISSN:0034-7752.

11. Dobre, T., Sandu Ohreac, B., **Pârvulescu, O.C.\***, Danciu, T.D., Effect of Solid Carriers on Oxygen Mass Transfer in a Stirred Tank Bioreactor, *Revista de Chimie (Bucharest)*, 65 (4), 489-496, 2014, ISSN:0034-7752, WOS:000338605100022.

11/1. Labbeiki, G., Attar, H., Heydarinasab, A., Sorkhabadi, S., Rashidi, A., Enhanced Oxygen Transfer Rate and Bioprocess Yield by Using Magnetite Nanoparticles in Fermentation Media of Erythromycin, *DARU Journal of Pharmaceutical Sciences*, 22:66, 2014, DOI: 10.1186/s40199-014-0066-5.

12. Dobre, T., **Pârvulescu, O.C.\***, Rodriguez Ramos, I., Ceatră, L., Stroescu, M., Stoica, A., Mirea, R., Global Reaction Kinetics and Enthalpy in Slow Pyrolysis of Vegetal Materials, *Revista de Chimie (Bucharest)*, 63 (1), 54-59, 2012, ISSN:0034-7752, WOS:000300866700011.

12/1. Mărculescu, C., Mincă, I., Bacalum, F., Pyrolysis Processing of Organic Residues and Operating Parameters Influence on Products Distributions, *Revista de Chimie (Bucharest)*, 66 (11), 1837-1840, 2015, ISSN:0034-7752.

12/2. Aruş, V.A., Nistor, I.D., Platon, N., Roşu, A.M., Muntianu, G., Jinescu, C., Statistical Modelling and Optimization of Lactic Acid Fermentation in the Presence of Anionic Clay and Ultrasonic Field, *Revista de Chimie (Bucharest)*, 66 (1), 88-91, 2015, ISSN:0034-7752.

13. **Pârvulescu, O.C.\***, Dobre, T., Ceatră, L., Iavorschi, G., Mirea, R., Characteristics of Corn Grains Pyrolysis in a Fixed Bed Reactor, *Revista de Chimie (Bucharest)*, 62 (1), 89-94, 2011, ISSN:0034-7752, WOS:000288339400017.

13/1. Mărculescu, C., Mincă, I., Bacalum, F., Pyrolysis Processing of Organic Residues and Operating Parameters Influence on Products Distributions, *Revista de Chimie (Bucharest)*, 66 (11), 1837-1840, 2015, ISSN:0034-7752.

13/2. Aruş, V.A., Nistor, I.D., Platon, N., Roşu, A.M., Muntianu, G., Jinescu, C., Statistical Modelling and Optimization of Lactic Acid Fermentation in the Presence of Anionic Clay and Ultrasonic Field, *Revista de Chimie (Bucharest)*, 66 (1), 88-91, 2015, ISSN:0034-7752.

14. Dobre, T., **Pârvulescu, O.C.\***, Calotă, L., Jipa, I., Modelling of Fixed Bed Multicomponent Ion Exchange, *Revista de Chimie (Bucharest)*, 61 (2), 213-217, 2010, ISSN:0034-7752, WOS:000276216200020.

14/1. Piscureanu, A., Chican, I., Varasteanu, D., Dulama, M., Ruse, M., Aspects Concerning the Selection of Ion Exchange Resin for Low Level Radwaste Waters Decontamination, *Revista de Chimie (Bucharest)*, 66 (11), 1819-1825, 2015, ISSN:0034-7752.

14/2. Botez, A., Dobre, T., Panțuru, E., Filcenco-Olteanu, A., Uranium (VI) Adsorption Equilibrium on Purolite Resin SGA 600 U/3472, *Central European Journal of Chemistry*, 12 (7), 769-773, 2014, ISSN:1895-1066 (Print), ISSN:1644-3624 (Online).

15. Dobre, T., **Pârvulescu, O.C.**, Iavorschi, G., Dobrea, I., 2006, Aspects Regarding Pyrolysis of Waste Tyres Rubber Mixtures and PET Particles, *Revista de Chimie (Bucharest)*, 57 (7), 658-665, 2006, ISSN:0034-7752, WOS:000241770900018.

15/1. Aruş, V.A., Nistor, I.D., Platon, N., Roşu, A.M., Muntianu, G., Jinescu, C., Statistical Modelling and Optimization of Lactic Acid Fermentation in the Presence of Anionic Clay and Ultrasonic Field, *Revista de Chimie (Bucharest)*, 66 (1), 88-91, 2015, ISSN: 0034-7752

16. Dobre, T., **Pârvulescu, O.C.**, Iavorschi, G., Stoica, A., Stroescu, M., Analysis of Sol Evolution in Sol-Gel Synthesis by Use of Rheological Measurements, *UPB Scientific Bulletin*, Series B, 71 (3), 55-64, 2009, ISSN:1454-2331.

16/1. Putz, A.M., Savii, C., Ianăși, C., Dudás, Z., Székely, K.N., Plocek, J., Sfârloagă, P., Săcărescu, L., Almásy, L., Pore Ordering in Mesoporous Matrices Induced by Different Directing Agents, *Journal of Porous Materials*, 22 (2), 321-331, 2015, ISSN:1380-2224 (Print), ISSN:1573-4854 (Online).

16/2. Kefeni, K.K., Msagati, T.A.M., Mamba, B.B., Ferrite Nanoparticles: Synthesis, Characterisation and Applications in Electronic Device, *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, 215, 37-55, 2017, ISSN: 0921-5107.

17. Păvăloiu, R.D., Stroescu, M., **Pârvulescu, O.C.**, Dobre, T., Composite Hydrogels of Bacterial Cellulose – Carboxymethyl Cellulose for Drug Release, *Rev. Chim. (Bucharest)*, 65 (8), 948-951, 2014, ISSN: 0034-7752, WOS:000340867000018.

17/1. Ullah, H., Santos, H.A., Khan, T., Applications of Bacterial Cellulose in Food, Cosmetics and Drug Delivery, *Cellulose*, 23 (4), 2291-2314, 2016, ISSN:0969-0239 (Print), ISSN:1572-882X (Online).

17/2. Parteni, O., Radu, C.D., Muresan, A., Popa, M., Ochiuz, L., Sandu, A.V., Agafitei, G., Istrate, B., Munteanu, C., Improving the Obtaining Factors of a Chitosan Hydrogel Based Biomaterial, *Revista de Chimie (Bucharest)*, 66 (10), 1595-1599, 2015, ISSN:0034-7752.

18. Jinescu, C., Aruș, V.A., **Pârvulescu, O.C.\***, Nistor, I.D., Modelling of Batch Lactic Acid Fermentation in the Presence of Anionic Clay, *Food Technol. Biotechnol.*, 52 (4), 448-458, 2014, ISSN: 1330-9862, WOS:000347764200008.

18/1. Chatel, G., Novikova, L., Petit, S., How Efficiently Combine Sonochemistry and Clay Science?, *Applied Clay Science*, 119, 193-201, 2016, ISSN:0169-1317.

19. Ion, V.A., **Pârvulescu, O.C.\***, Dobre, T., Volatile Organic Compounds Adsorption onto Neat and Hybrid Cellulose, *Appl. Surf. Sci.*, 335, 137-146, 2015, ISSN:0169-4332, WOS:000351614000020.

19/1. Ummartyotin, S., Pechyen, C., Strategies for Development and Implementation of Bio-based Materials as Effective Renewable Resources of Energy: A Comprehensive Review on Adsorbent Technology, *Renewable and Sustainable Energy Reviews*, 62, 654-664, 2016, ISSN:1364-0321.

19/2. Stoica-Guzun, A., Stroescu, M., Jinga, S.I., Mihalache, N., Botez, A., Matei, C., Berger, D., Damian, C.M., Ionita, V., Box-Behnken Experimental Design for Chromium(VI) Ions Removal by Bacterial Cellulose-Magnetite Composites, *Int. J. Biol. Macromolec.*, 91, 1062-1072, 2016, ISSN:0141-8130.

20. Stroescu, M., Stoica, A., **Pârvulescu, O.C.**, Avram, M., Dobre, T., A Shrinking Core Model for Seeds Oil Extraction with Particularization to Camelina Oil Separation, *Chem. Eng. Res. Des.*, 97, 1-8, 2015, ISSN:0263-8762, WOS:000355034200001.

20/1. Berti, M., Gesch, R., Eynck, C., Anderson, J., Cermak, S., Camelina uses, genetics, genomics, production, and management, *Industrial Crops and Products*, 94, 690-710, 2016, ISSN:0926-6690.

21. Stoica, A., Dobre, T., Stroescu, M., Sturzoiu, A., **Pârvulescu, O.C.**, From Laboratory to Scale-up by Modelling in Two Cases of  $\beta$ -Carotene Extraction from Vegetable Products, *Food Bioprod. Process.*, 94, 218-228, 2015, ISSN: 0960-3085, WOS: 000354140500022.

21/1. Mezzomo, N., Ferreira, S.R.S., Carotenoids Functionality, Sources, and Processing by Supercritical Technology: A Review, *Journal of Chemistry*, Article Number:3164312, 2016, DOI:10.1155/2016/3164312.

22. Dobre, T., Pârvolescu, O.C., Iavorschi, G., Stroescu, M., Stoica, A., Experimental Study of VOCs Adsorption onto Fixed Bed Activated Carbon, *Analele Universitatii din Oradea, Fascicula ECOTOXICOLOGIE, ZOOTEHNIE SI TEHNOLOGII DE INDUSTRIE ALIMENTARA*, 8 (9), 1241-1246, 2010, ISSN:1583-4301.

22/1. Paethanom, A. Bartocci, P., D'Alessandro, B., D'Amico, M., Testarmata, F., Moriconi, N., Slopiecka, K., Yoshikawa, K. Fantozzi, F., A Low-Cost Progas Cleaning System for Power Generation: Scaling Up from Lab to Pilot, <i>Applied Energy</i> , 111, 1080-1088, 2013, ISSN:0306-2619. <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-84881003421&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=Paethanom&amp;st2=a&amp;nlo=1&amp;nlr=20&amp;nls=count-f&amp;sid=BFA83CA9760D48478D91CF632F004643.wsnAw8kcdt7IPYLO0V48gA%3a73&amp;sot=anl&amp;sdt=aut&amp;sl=38&amp;s=AU-ID%28%22Paethanom%2c+Anchan%22+24462534700%29&amp;relpos=1&amp;citeCnt=23&amp;searchTerm=">https://www.scopus.com/record/display.uri?eid=2-s2.0-84881003421&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=Paethanom&amp;st2=a&amp;nlo=1&amp;nlr=20&amp;nls=count-f&amp;sid=BFA83CA9760D48478D91CF632F004643.wsnAw8kcdt7IPYLO0V48gA%3a73&amp;sot=anl&amp;sdt=aut&amp;sl=38&amp;s=AU-ID%28%22Paethanom%2c+Anchan%22+24462534700%29&amp;relpos=1&amp;citeCnt=23&amp;searchTerm=</a>
22/2. Son, Y.S., Jeong, J.H., Lee, H.J., Kim, J.C., A Novel Control System for Nitrogen Dioxide Removal and Energy Saving from an Underground Subway Stations, <i>Journal of Cleaner Production</i> , 133, 212-219, 2016, ISSN:0959-6526. <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-84988851448&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=%e2%80%a2%09Son&amp;st2=%e2%80%a2%09Youn-Suk&amp;nlo=1&amp;nlr=20&amp;nls=count-f&amp;sid=BFA83CA9760D48478D91CF632F004643.wsnAw8kcdt7IPYLO0V48gA%3a303&amp;sot=anl&amp;sdt=aut&amp;sl=33&amp;s=AU-ID%28%22Son%2c+Younsuk%22+24823380900%29&amp;relpos=1&amp;citeCnt=0&amp;searchTerm=">https://www.scopus.com/record/display.uri?eid=2-s2.0-84988851448&amp;origin=resultslist&amp;sort=plf-f&amp;src=s&amp;st1=%e2%80%a2%09Son&amp;st2=%e2%80%a2%09Youn-Suk&amp;nlo=1&amp;nlr=20&amp;nls=count-f&amp;sid=BFA83CA9760D48478D91CF632F004643.wsnAw8kcdt7IPYLO0V48gA%3a303&amp;sot=anl&amp;sdt=aut&amp;sl=33&amp;s=AU-ID%28%22Son%2c+Younsuk%22+24823380900%29&amp;relpos=1&amp;citeCnt=0&amp;searchTerm=</a>

No.	Cit.
1	12
2	9
3	9
4	4
5	5
6	3
7	2
8	2
9	1
10	1
11	1
12	2
13	2
14	2
15	1
16	2
17	2
18	1
19	2
20	1
21	1
22	2
<b>TOTAL</b>	<b>67</b>