



Europass Curriculum Vitae

Informatii personale

Nume / Prenume **Aurelia Meghea**
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Nationalitate Romana
Data nasterii 22.01.1943
Sex Feminin

**Loc de munca/
Domeniu ocupational** **Profesor Emerit la Universitatea POLITEHNICA din Bucuresti – Facultatea de
Inginerie Chimica si Biotehnologii
Conducator de doctorat (1990 – prezent)
Director Studii Master Expertizare produse chimice, alimentare si materiale (2009
– 2017)
Director Științific/ Director General al Centrului de Cercetări pentru Protecția
Mediului și Tehnologii Ecologice (1998 / 2010 – prezent)
Director al Biroului de Proiecte si Granturi al Academiei Române (2014 – 2021)**

Experienta profesionala

Perioada 1965 / 1979/ 1990/ 1992/2012 – prezent
Functia sau postul ocupat Asistent/ lector/ conferentiar/ profesor/profesor Emerit al Universității POLITEHNICA din București.

Principalele activitati si responsabilitati	<p>Activitati didactice: predare de cursuri, seminarii, laboratoare de Chimie fizica aplicata, Biochimie fizica Cursuri de Master pe tehnici instrumentale avansate – spectroscopie, cromatografie, protectia mediului, nanostiinte si nanotehnologii; metode de depoluare a surselor de apa. Promotor si Director de studii la Masterul de Expertizarea produselor chimice, alimentare si a materialelor</p> <p>Activitati de cercetare:</p> <ul style="list-style-type: none"> • Studii de spectroscopie RPE și în reflexie pe minerale argiloase care se înscriu printre lucrarile de pionierat la nivel mondial de aplicare a acestor tehnici în geochimie. Ele au fost extinse asupra cercetărilor geochimice pentru aprecierea potențialului petroligen în platforma continentală românească a Mării Negre, precum și pentru evaluarea potentialului de contaminare radioactiva a sedimentelor din Dunare și Marea Neagră; • Caracterizarea cromatica și paramagnetică a unor materiale compozite, sticle, pigmenți ceramici, materiale de construcție, țesături, piele, nanocompozite etc; • Elaborarea unor metode spectrale (UV si IR) de determinare a naturii și conținutului de poluanți organici prezenți în sursele de apa de suprafața și subterane și modelarea adsorbției competitive în vederea depoluării și potabilizării apelor. • Cercetări privind diminuarea stratului de ozon stratosferic și stresul oxidativ produs de ozonul troposferic asupra eco și biosistemelor. • Controlul poluării factorilor de mediu și impactul Poluanților Organici Persistenți (POPs) și al metalelor grele asupra contaminării alimentelor și asupra sănătății. • Proprietati pro si antioxidante ale biomoleculelor si ale unor sisteme biologice si utilizarea principiilor active naturale in sinteza unor noi materiale nanostructurate multifuncționale cu aplicatii in cosmetica, terapie si opto-electronica. • Sisteme disperse nanostructurate aplicate la separarea si preconcentrarea poluantilor prin microemulsionare. • Metode fizico-chimice avansate de investigare chimico-structurata cu aplicații în protecția mediului, biotehnologie, nanotehnologie, biofonică. <p>Domenii de expertiză: Chimie fizica, Biochimie fizica, Materiale si nanostiinte.</p> <p>Responsabilitati:</p> <ul style="list-style-type: none"> • Conducator de doctorat din 1990: 57 de doctori si 2 doctoranzi in stagiu; • Membru in Consiliul profesoral al Facultatii de Chimie Aplicata si Stiinta Materialelor (2004-2008) • Director de Studii la Master Complementar de Expertizare Produse chimice, alimentare si materiale (2009-2017); • Director stiintific al Centrului National de Consultanta pentru Protectia Mediului, UPB-CNC 1998-2010; • Director General al Centrului de Cercetări pentru Protecția Mediului și Tehnologii Ecologice, CPMTE (2010-prezent). • Autor a 20 carti si monografii stiintifice si peste 400 lucrari stiintifice publicate, din care 291 in reviste cotate ISI (lista anexata), peste 50 de articole stiintifice au fost premiate CNCSIS (din 2007 - prezent); • Coordonator a peste 20 proiecte de cercetare nationale si 8 proiecte internationale dupa anul 2000 (lista anexata).
Numele si adresa angajatorului	Academia Romana – Director Birou Proiecte si Granturi 2014 – 2021; Universitatea POLITEHNICA din Bucuresti, Facultatea de Inginerie Chimica si Biotehnologii, Centrul de Cercetări pentru Protecția Mediului și Tehnologii Ecologice, Strada Polizu, Nr. 1, 011061, Bucuresti, Romania
Tipul activitatii si/sau sectorul de activitate	Educatie universitara si cercetare stiintifica de excelenta; Expert programe europene.
Educatie si formare profesionala	
Perioada	1969 - 1974
Calificarea/diploma obtinuta	Diploma de doctor în specialitatea Chimie Fizica Aplicata;
Disciplinele principale studiate/competentele profesionale dobandite	Discipline generale: chimie-fizica, biochimie fizica, adsorbție si depoluare Competente profesionale: analiza instrumentala – spectroscopie
Numele si tipul institutiei de invatamant/ Furnizorului de formare	Facultatea de Chimie Industriala, Universitatea POLITEHNICA Bucuresti, Strada Polizu , Nr. 1, 011061Bucuresti, Romania

Nivelul in clasificarea nationala sau internationala ISCED 6
 Perioada 1960-1965
 Calificarea/diploma obtinuta Diplomata universitar în specialitatea Chimie Fizica
 Disciplinele principale studiate/competentele profesionale dobandite Chimie-fizica: chimie cuantica, spectroscopie aplicata, structura compusilor, a produselor chimice si a sistemelor micro- si nanostructurate.
 Competente: cercetare stiintifica de laborator, educatie la nivel pre-universitar si universitar
 Numele si tipul institutiei de invatamant/ Furnizorul de formare Facultatea de Chimie, Universitatea Bucuresti, Splaiul Independentei, Bucuresti, Romania

Nivelul in clasificarea nationala sau internationala ISCED 5

Aptitudini si competente personale

Limba materna Romana
 Alte limbi Engleza, franceza

Auto-evaluare				Nivel european (*)				Limba engleza		Limba franceza	
Intelegere				Vorbire				Scriere			
Ascultare		Citire		Participare la conversatie		Discurs oral		Exprimare scrisa			
C2	Utilizator experimentat	C2	Utilizator experimentat	C2	Utilizator experimentat	C2	Utilizator experimentat	C2	Utilizator experimentat	C2	Utilizator experimentat
C1	Utilizator experimentat	C2	Utilizator experimentat	B1	Utilizator independent	B1	Utilizator independent	B2	Utilizator independent	B2	Utilizator independent

(*) *Common European Framework of Reference for Languages*

Aptitudini si abilitati sociale Experienta lucrului in echipa, prin coordonarea unor echipe de tineri cercetatori, in cadrul unor proiecte CNCSIS: Post-doc (2005-2007) si Idei (2007-2011);
 Instruiri ale institutelor de cercetare pentru accesare de fonduri europene.
 Membru in asociatii profesionale: Membru al Societății de Chimie din România; Membru al Societății EURACHEM; Membru al Societății Române de Biomateriale; Membru BENA-Balkan Environmental Association;

Competente si aptitudini organizatorice O buna experienta a managementului de proiecte si a echipelor de cercetare.
 Director Stiintific al Centrului National de Consultanta pentru Protectia Mediului (UPB - CNC) din 1998 - prezent;
 Coordonator al unei echipe formate din 15 cercetatori cu experienta (post-doc) si in curs de formare (doctoranzi si masteranzi).
 Experienta in organizare de conferinte, seminarii si workshop-uri nationale si internationale
 Expert evaluator/monitor in programe stiintifice

- nationale: PN I, PN II, programe de excelenta CNCSIS, postdoctorale si programe de Idei – 2005-prezent;
- internationale: membru in peste 15 jurii ale programelor europene FP 5, FP 6 si FP 7 – 1999 -2014;
- observator independent UE – FP 5 (2001), membru si presedintele juriului "Premiul european Rene Descartes" (2000-2002);
- membru al Comitetului de Experti Marie Curie – PEOPLE al Uniunii Europene (2008-2012).
- Evaluator programul PRELUDIUM al Ministerului de Cercetare – Polonia;
- Observator in Comitetul de Monitorizare al Programului POAT – Ministerul Fondurilor Europene – 2015 - 2021.

LISTA DE LUCRĂRI

Profesor Emerit Dr. Aurelia Meghea

1^o Teza de doctorat

T1. Oxidarea aminelor aromatice cu clorit de sodiu – UPB - 1975

2^o **Cărți publicate** (C1, C2, etc), îndrumare publicate (I1, I2 etc.), capitole publicate în volume colective, capitole teoretice redactate, sisteme de laborator funcționale etc. (D1, D2 etc.), după caz, prin care se aduc contribuții la asigurarea și perfecționarea activităților didactice/profesionale.

C20. Manea-Saghin, A.M., Padurețu, C.C., **Meghea, A.**, „Linear and non-linear optical properties of some biopolymeric matrices doped with natural extracts”, 2022, 172 p, Ed. PRINTECH, Bucuresti, ISBN: 9786062313456

C19. Petcu, AR, **Meghea, A.**, Mihaly, M. Sisteme nanoheterogene pentru extractia si fotodegradarea amestecurilor de coloranti, 98 p. 2018, Ed. PRINTECH, Bucuresti, ISBN 978-606-23-0901-5;

C18. Bors A.G., Badea, G., Bors, A., Lacatusu, I., **Meghea, A.** „Produse de uz dermatologic cu actiune antifungica”, 186 p, 2017, Ed. ELECTRA, Bucuresti, ISBN 9789-606-507-094-3;

C17. Al Tameemi, M.B., Stan, R., **Meghea A.**, Mihăiescu D. „Nanostructured Silica Materials for Drug Delivery Applications” 124p, 2016, Ed. PRINTECH, Bucuresti, ISBN: 978-606-23-0704-2;

C16. Kajzar, F, **Meghea, A.** Rău, I. „Biomaterials for Photonics and Electronics”. Old City Publishing, Philadelphia, 400p. 2016, ISBN: 978-1-933153-33-9;

C15. Manea A-M, Kajzar, F, Rău, I, **Meghea, A.** „Nanostructured materials based on natural extracts - Applications”. 123 p. 2016, Ed. PRINTECH, Bucuresti, ISBN: 978-606-23-0611-3;

C14. Popescu, D.I., **Meghea, A.**, Pincovschi, E., „De la strategia Lisabona la Europa 2020”170p, 2010, Editura AGIR, Bucuresti, ISBN: 973-720-047-0;

C13. **Meghea, A.**, Lacatusu, I., Badea, N., Nita, R., Murariu, A., „Sinteza dirijata de nanostructuri pentru materiale cu proprietati multifunctionale – Vol. 1 – Sisteme organizate nanostructurate”, Ed. POLITEHNICA PRESS, Bucuresti, 2009, 514p, ISBN: 978-606-515-048-5;

C12. Gheorghe, C.M., Covrig, M., Ganatsios, S., Kikis, V., **Meghea, A.**, „Inovarea – o solutie pentru IMM-uri”, Ed. ELECTRA, 2009, 72p, ISBN 978-606-507-040-0;

C11. Terceiro, P., Ceclan, R., Popa, I., Racicovschi, V., **Meghea, A.**, „Environmental monitoring of water sources”, Ed. ELECTRA, Bucuresti, 2009, 145p, ISBN: 9786065070189;

C10. Borș, A., Lesnic, M., **Meghea, A.**, „Monitorizarea emisiilor de poluanți organici persistenți în vederea reducerii impactului asupra mediului”, Ed. PRINTECH, București, 2008, 180p, ISBN:978-606-521-178-0;

C9. **Meghea, A.**, Ionescu, S., Diulescu, D., Grecu, I., Ghiță, I., Partsch, C., Dietrich, M., Badea, N., Nețșoiu, T., „Riscurile micilor afaceri”, Ed. POLITEHNICA PRESS, Bucuresti, 2008, 173 p, ISBN: 978-606-515-012-6;

C8. **Meghea, A.**, Murariu, D.A., Codorean, E., Tanase, C., Parvan, C., Copoiu, O., Mihociu, T., Ionescu, M., Ionescu, V., „Manual de optimizare a managementului calității și siguranței alimentare în unitățile producătoare de alimente pe bază de pește”, Ed. POLITEHNICA PRESS, Bucuresti, 2008, 97 p, ISBN: 978-973-7838-98-8;

C7. Militaru, Gh., Pencioiu, P., **Meghea, A.**, „Minimization of energy losses”, Ed. PRINTECH, București, 2007, 94 p, ISBN 978-973-718 866-3;

C6. D.I. Popescu, **A. Meghea**, E. Pincovschi, „Strategia dezvoltării durabile in societatea bazată pe cunoaștere”, Ed. AGIR, Bucuresti, 2006, 194 p, ISBN: 973-720-047-0;

C5. L. Miu, C. Gaidau, L. Albu, V. Bocu, A. Igna, M. Giurginca, **A. Meghea**, N. Iftimie, P. Budrugaec, „Evaluarea degradarii obiectelor de patrimoniu din piele și pergament, Vol. 1 Investigarea deteriorarii obiectelor de patrimoniu” Ed. Performantica, Iasi, 2005, 119 p, ISBN 973-730-132-3;

C4. E. Pincovschi, **A. Meghea**, „Chemical equilibrium in aqueous solutions” – bilingv, Ed. ARS DOCENDI, 2000, Bucuresti, ISBN: 973-99514-9-2;

C3. E. Pincovschi, **A. Meghea**, C.I. Vasiliu, R. Stanescu, „Analytical methods for environmental monitoring – Part 1. Monitoring and sampling of liquid effluents”, – bilingv, Ed. ARS DOCENDI, 2000, Bucuresti, ISBN: 973-99514-3-0;

C2. E. Pincovschi, **A. Meghea**, R. Mihalache, R. Stanescu, V. Stanescu, „Modern methods of effluent treatment – Part 1. Ozonation in water treatment”, - bilingv, Ed. ARS DOCENDI, 1999, Bucuresti, ISBN: 973-99514-9-x;

C1. Herdan, J.M., Giurginca, M., **Meghea, A.**, „Antioxidanti”, Ed. Tehnica, Bucuresti, 1995, ISBN: 973-31-9608-9.

D10. **Meghea, A.**, Guest Editor, Molecular Interactions, INTECH 2012, 400p. ISBN 978-953-51-0079;

D9. Stan, L.G.R., Nita, R.M., **Meghea, A.**, Capitol 7, carte: „Molecular interactions in natural and synthetic self-assembly systems”, in Molecular Interactions, INTECH 2012, 145-182, ISBN 978-953-51-0079;

D8. Lacatusu, I., Badea, N., **Meghea, A.**, Capitol 3, carte: „Nanoencapsulation of natural products with multifunctional properties in silica and hybrid organic – silica host matrices”, in “Biocompatible Nanomaterials: Synthesis, Characterization and Applications”, Nova publishing, 2010, ISBN: 978-1-61668-677-2

D7. **Meghea A.**, Badea N., Popa, I. - Guest Editor, Proceedings of International Symposium „The Environment and Industry”, 28-30 October 2009, Bucuresti, Workshop European Industry – Academia Partnership, ISBN: 9780606-507-018-9

D6. **Meghea A.**, Badea N., - Guest Editor, Proceedings of RICCE XVI, 9-12 Sept 2009, Sinaia, Romania, Workshop: „Development of strategic academia – industry partnership for knowledge management in environmental friendly technologies”, ISSN: 2066-8341

D5. Kajzar, F., **Meghea, A.**, Rau, I., - Guest Editor, Nonlinear Optics Quantum Optics **38**, (2), 2008; ISSN (printed): 1058-7268;

D4. **A. Meghea**, I. Rau, F. Kajzar, - Guest Editors, „Molecular Crystals & Liquid Crystals – Proceedings of 7th ICFAM 2003” , Ed. Taylor&Francis, 2004, ISSN: 1542-1406;

D3. **A. Meghea**, „Chimie Fizica” – P.W. Atkins, J. De Paula, Ed. 7, Traducere din limba engleza, Ed. AGIR, Bucuresti, 2003, ISBN 973-8466-42-3;

D2. **A. Meghea**, „Exercitii si probleme de Chimie Fizica” – P.W. Atkins, C.A. Trapp, Ed. 5, Traducere din limba engleza, Ed. Tehnica, Bucuresti, 1996, ISBN 973-31-1020-7;

D1. **A. Meghea**, T. Visan, „Tratat de Chimie Fizica” – P.W. Atkins, Ed. 5, Traducere din limba engleza, Ed. Tehnica, Bucuresti, 1996, ISBN 973-31-0870-8

3^o Articole/studii publicate:

a) în reviste de specialitate de circulație internațională recunoscute cotate ISI (Ris)

Ris. 291. Iordache T.-A, Coc L.M.C., Mihai A. L., Badea N., Lacatusu I., Meghea A, The influence of vegetable oil and self-organizing agents composition on obtaining stable nanostructured lipid carriers, in UPB Sci. Bull. B: Chem. Mater. Sci., 84, 1, 97-108, 2022

Ris. 290. Lacatusu, A-R, **Meghea, A**, Rogozea, A-E, Constantin, C, Innovative polycomposite obtained by recycling and processing three organic wastes, *Agriculture*, 11, 10, 1021, oct. 2021, IF = 2,925, Q1, ISSN 0551-3677

Ris 289. Predeanu G, Slavescu V, Balanescu M, Mihalache R-D, Mihaly M, Marin A C, **Meghea A**, Bruno V, Guedes A, ABAGIU A T, Popescu L-G, Manea-Saghin A-M, Vasile B S, Dragoescu M-F "Coal bottom ash processing for capitalization according to circular economy concept" (2021-07-06), DOI: 10.1016/j.mineng.2021.107055, WOS: 000687771400007, IF: 4.765

Ris. 288. Beșliu, D-V, **Meghea, A**, Optimization of the silver nanoparticle synthesis method using *Harpagophytum procumbens* root extract, *U.P.B. Sci. Bull.*, Series B, Vol. 84, Iss 4, p.19-28, 2021, ISSN 1454-2331

Ris. 287. Coc, LMC, Lacatusu, I, Badea, N, Barbanta-Patrascu, ME, Meghea, A., Effective lipid nanocarriers based on linseed oil for delivery of natural phenolic active. *Journal of Nanomaterials*. Feb. 2021, DOI10.1155/2021/8853941. IF = 1.98;

Ris. 286. Stefan, DS, Zainescu, G, Manea-Saghin, AM, Triantaphylou, IT, Tatoulis, TI, Syriopoulos, GT, **Meghea, A.** Collagen-based hydrogels composites from hide waste to produce smart fertilizers. *Materials*. 13, 19, 4396, 2020; IF = 3,057, Q2;

Ris. 285. Besliu, D, Barbinta-Patrascu ME, Badea, N, Rau, I, **Meghea, A.** Lipo-nanosilver composites biogenerated using Artemisia Abrotanum L, aqueous extract. *Molecular Crystals & Liquid Crystals*. 694, 1, 40-48, 2019; IF = 0,54; WOS:000531061100004

Ris. 284. Mihalache, M, Guran, C, **Meghea, A**, Bercu, V, Motelica, L, Holban, AM. Complexes of Cu (II) with alpha-ketoglutaric acid and 1-(o-tolyl) biguanide synthesis, characterization and biological activity. *Revista de Chimie*, 70, 10, 3603-3610, 2019; IF = 1, 755;

Ris. 283. Sava GO, Pop, I, Sava, TB, **Meghea, A**, Manailescu, C, Ilie, M, Robu, A, Toth, B, Interval validation of dendrochronology and C-14 dating on 700-yr three-ring sequence originating from the Eastern Carpathians. *Radiocarbon*, 61, 5, 1337-1343, 2019; IF = 1,5;

Ris. 282. Lacatusu, I, Badea, N, Badea, G, Mihaila, M, Ott, C, Stan, R, **Meghea, A.** Advanced bioactive lipid nanocarriers loaded with natural and synthetic anti-inflammatory actives. *Chemical Engineering Science*, 200, 113-126, 2019; 3,871;

Ris. 281. Lacatusu, I, Badea, N, Udeanu, D, Coc, L, Pop, A, Negut, CC, Tanase, C, Stan, R, **Meghea, A.** Improved anti-obesity effect of herbal active and endogenous lipid nanocarriers: Preparation, in vitro and in vivo evaluation. *Materials Science&Engineering C – Materials for Biological Applications*, 99, 12,-24, 2019; IF = 5, 88;

Ris. 280. Mocioiu, AM, Tutuianu, R, Cursaru, LM, Piticescu, RM, Sereanu, V, **Meghea, A**, 3D structures of hydroxyapatite obtained from Rapana venosa shells using hydrothermal synthesis followed by 3D printing, *Journal of Materials Science*, 54 (22) 13901-13913, 2019, IF = 3,442, Q1;

Ris. 279. Tzoumani, I, Lainioto, GC, Aletras, AJ, Zainescu, S, Stefan, G, **Meghea, A**, Modification of collagen derivatives with water-soluble polymers for the development of cross-linked hydrogels for controlled release, *Materials*, 12 (24), 4067, 2019, IF = 3,057, Q2;

Ris. 278. Nituica, MV, **Meghea, A**, Gurau, D, Stelescu, MD, PP/PDM Polymeric Compounds Dynamically cured compatibilized and reinforced with nanoclay, *Materiale Plastice*, 55 (3), 335, (2018)

Ris 277. Cadar, D, Olteanu, NL, Andrei EA, Petcu, AR, **Meghea, A**, Mihaly, M. Synergism of thiocyanate ions and microinterfacial surface as driving forces for heavy multi-metals extraction. *Arabian Journal of Chemistry*, 11, 4, 501-512, May 2018, IF = 2,969, Q2;

- Ris 276.** Fudulu, A, Purcareanu, B, Olariu, I, **Meghea, A.** Antiproliferative effect of Fe₃O₄/Methotrexate nanoparticles on metastatic prostate carcinoma cells DU 145. *U.P.B. Sci.Bull.* **80** (3), 3012, 2018, ISSN 1454-2331;
- Ris 275.** Cadar, D. Olteanu, N.L., Andrei, E.A., **Meghea, A,** Petcu, AR, Mihaly, M., Fluid structures used for wastewaters treatment with complex load. *Separation and Purification Technology*, 197, 1-7, 2018; IF = 3,359;
- Ris 274.** Cadar, D. Olteanu, N.L., Petcu, AR, **Meghea, A,** Mihaly, M. Efficient recovery of metals from aqueous media by two phase microemulsion system. *U.P.B. Sci.Bull.* **79** (2), 13-24, 2017, ISSN 1454-2331;
- Ris.273.** Sereanu, V, Feraru, DL, Predeanu, G, **Meghea, A,** Microstructure and chemical characterization of Rapana Thomasiana Shell. *U.P.B. Sci.Bull.* **79** (1), 81-92, 2017, ISSN 1454-2331;
- Ris. 272.** Cadar, D, Olteanu, NL, Rogozea, EA, Petcu, AR, **Meghea, A,** Mihaly, M. Recovery of targeted hydrophilic compounds from simulated wastewaters using nonionic microemulsion systems. *Process Safety and Environmental Protection*, 109, 648-658, 2017; IF = 2,905, Q1;
- Ris. 271.** Petcu, A, **Meghea, A,** Rogozea, EA, Olteanu, NL, Lazar CA, Cadar, D, Crisciu, AV, Mihaly, M. No catalyst Dye Photodegradation in a Microemulsion Template. *ACS Sustainable Chemistry&Engineering*. 2017, 5, 5273-5283; IF = 5,951; ISc = 2.942; Q1;
- Ris. 270.** Tihan, GT, Sereanu, V, **Meghea, A,** Voicu, G, Albu, MG, Mitran, V, Cimpean, A, Zgarian, RG. [Innovative methodology for developing a bone grafting composite biomaterial starting from the seashell of Rapana thomasiana](#), *Comptes Rendus Chimie*, **20**, 440-445, 2017; IF = 1,798, Q3;
- Ris. 269.** Mustafa Basim M. Al Tameemi, R. Stan, V. Prisacari, G. Voicu, M. Popa, MC Chifiriuc, C. Ott, G. Marton, **A. Meghea.** Antimicrobial performance on nanostructured silica-titania sieves loaded with izohidrafural against microbial strains isolated from urinary tract infections. *Comptes Rendus Chimie*, **20**, 475-483, 2017;
- Ris. 268.** Olteanu, NL, Lazar, CA, Petcu AR, **Meghea, A.** Rogozea, EA, Mihaly, M. „One-pot” synthesis of fluorescent Au@SiO₂ and SiO₂@Au nanoparticles. *Arabian Journal of Chemistry* Volume: 9 Issue: 6 Pages: 9854-864, 2016; ISSN: 1878-5352, IF = 3,613;
- Ris. 267.** Stefan, DS, Constantinescu, RR, **Meghea, A,** Anghel, R, Stefan, M, Tudosie, MS. Obtaining of biofertilisers using pelt skin wastes. *Revista de Chimie*, **67**, 7, 1401-1405, (Jul) 2016, ISSN: 0034-7752; IF: 0,956;
- Ris. 266.** Chelaru, C, Ignat, M, Albu, M, **Meghea A.** Chemical characterization of vegetable oils – lemon, lavender and argan. *Revista de Chimie*, **67**, 9, 1680-1683, (Sep) 2016, ISSN: 0034-7752; IF: 0,956;
- Ris. 265.** Lacatusu, I, Badea, N, Badea, G, Brasoveanu, L, Stan, R, Ott, C, Oprea, O, **Meghea, A,** Ivy leaves based – lipid nanocarriers and their bioefficacy on antioxidant and antitumor activities. *Royal Society Chemistry Advances*, **6**, 81, 77243-77255, 2016, ISSN: 2046-2069, IF = 3.289;
- Ris 264.** Rogozea, EA, Olteanu, NL, Petcu, AR, Lazar, CA, **Meghea, A,** Mihaly, M. Extension of optical properties of ZnO/SiO₂ materials induced by incorporation of Au or NiO nanoparticles. *Optical Materials* **56**, 45-48, June 2016; ISSN: 0925-3467, IF = 2,023; 2.183;
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Semnătura