

INFORMAȚII PERSONALE

Eugenia Tanasă

EXPERIENȚA PROFESIONALĂ

Octombrie 2014 – prezent

Asistent universitar

Universitatea Politehnica din București

Iulie 2012 – prezent

Asistent cercetare

Universitatea Politehnica din București

- Cercetare în cadrul proiectelor de cercetare în domeniul Știința Materialelor, analize structurale, microstructurale și nanostructurale prin difracție de raze X (DRX), microscopie electronică de baleiaj (SEM), microscopie electronică prin transmisie (TEM), spectroscopie Raman

Februarie 2014 – Mai 2014

Stagiar

Ecole Normale Supérieure de Lyon, Franța

Mai 2013

Stagiar

Institutul National de Cercetare - Dezvoltare pentru Microbiologie și Imunologie "Cantacuzino"

EDUCAȚIE ȘI FORMARE

Octombrie 2014 – Noiembrie
2019**Studii universitare de doctorat, domeniul Inginerie Chimică**

Facultatea de Chimie Aplicată și Știința Materialelor, Universitatea Politehnica din București

Teză de doctorat: *Biomateriale cu nanoparticule magnetice*

16 – 18 Februarie 2016

Training pentru Titan Themis 200 (aplicații în Știința Materialelor)

Instruire efectuată de către FEI Company prin reprezentatul Sorin Lazăr (cercetător științific senior în cadrul FEI Company), desfășurată la Universitatea Politehnica din București

Subiecte acoperite: microscopie electronică prin transmisie de înaltă rezoluție (HRTEM), realizarea corecției imaginii, microscopie electronică prin transmisie cu scanare de înaltă rezoluție (HR STEM), sistemul optic de condensoare, spectroscopie dispersivă în energie (EDX), EELS, Velox, achiziție de imagini cu ajutorul modului Lorentz, achiziții de hărți în STEM, EDX și EELS.

08 -12 Februarie 2016

Training pentru aplicații Versa 3D (SEM, FIB, EDS)

Instruire efectuată de către FEI Company prin reprezentatul Ellen Baken (specialist în aplicații FEI Company), în cadrul Universității Politehnica din București

Cursul a acoperit principiile fundamentale și aspectele practice ale microscopului electronic cu baleiaj (SEM) Versa 3D, cum ar fi: punerea și scoaterea probelor din microscop, formarea unei imagini SEM, utilizarea detectorilor, navigarea cu ajutorul stage-ului, alinierea fascicului și realizarea unui secțiuni transversale. *Subiecte acoperite:* noțiuni despre instrument (introducere la interfața grafică, navigarea cu ajutorul stage-ului), despre fasciculul de electroni (tipuri de interacții și semnale rezultante) și despre fasciculul de ioni (operare generală), pregătirea probelor pentru microscopie electronică prin transmisie (TEM), spectroscopie dispersivă în energia radiației X (EDS) și semnale rezultante.

22 - 26 Iunie 2015

Training pentru aplicații Raman avansate

Instruire efectuată de către Horiba Jobin Yvon prin reprezentatul Vincent Larat (specialist în aplicații), în cadrul Universității Politehnica din București

Abilități acumulate: achiziție și procesare de date pentru spectre și hărți Raman, însușirea noțiunilor pentru utilizarea modului Particle Finder și a modului Multivariate Analysis, precum și a stage-ului Linkam.

Octombrie 2012 – Iulie 2014

Studii universitare de masterat, domeniul Științe Inginerești Aplicate, specializarea Inginerie Medicală

Facultatea de Inginerie Medicală, Universitatea Politehnica din București

Proiect de disertație: *Studiul obținerii și caracterizării unor noi biomateriale pe bază de celuloză bacteriană și poliesteri naturali cu aplicații biomedicale*

Octombrie 2008 – Iulie 2012

Studii universitare de licență, domeniul Științe Inginerești Aplicate, specializarea Inginerie Fizică

Facultatea de Științe Aplicate, Universitatea Politehnica din București

Proiect de diplomă: *Caracterizarea suprafeței fotoanozilor celulelor solare sensibilizate cu colorant*

Octombrie 2009 – Iulie 2013

Studii universitare de licență, specializarea Finanțe și Bănci

Facultatea de Finanțe, Asigurări, Bănci și Burse de Valori, Academia de Studii Economice, București

Proiect de diplomă: *Planificarea lichidității bancare*

COMPETENȚE PERSONALE

Limba maternă

Română

Alte limbi străine cunoscute

| | INTELEGERE | | VORBIRE | | SCRIERE |
|----------|---|--------|----------------------------|--------------|---------|
| | Ascultare | Citire | Participare la conversație | Discurs oral | |
| | Engleză | C2 | C2 | C2 | |
| | Diplomă obținută în cadrul Centrului de limbi străine Fides, ce atestă calificativele C2 de mai sus | | | | |
| Franceză | B1 | B1 | B1 | B1 | B1 |
| Germană | B1 | B1 | B1 | B1 | B1 |

Participări la evenimente științifice

- XVI Ecers - XVI Conference of the European Ceramic Society (2019)
- RICCCCE20 – 20th Romanian International Conference on Chemistry and Chemical Engineering (2017)
- RICCCCE19 – 19th Romanian International Conference on Chemistry and Chemical Engineering (2015)
- Workshop Young scientists joining forces for excellence in biomaterials research 2015

Competențe informatice

- Atestat de informatică dobândit la sfârșitul liceului certificând obținerea competențelor de operare pe calculator și competențe de nivel mediu de programare
- O bună cunoaștere a instrumentelor Microsoft Office™
- Nivel mediu de cunoștințe SQL

Afilieri

- Membru în Societatea Română de Microscopie (SMER)

Permis de conducere

- B, din decembrie 2009

INFORMAȚII SUPLIMENTARE

Universitatea POLITEHNICA din București
Facultatea de Științe Aplicate
Departamentul de Fizică
Domeniul Științe Inginerești Aplicate
Drd.ing. TANASĂ (Vasile) E. Eugenia
Număr lucrări: 62 ISI, 2 Proceedings
Indice hirsch (Scopus): 12
Indice hirsch (Web of Science): 10

Listă de lucrări publicate

I. TEZĂ DE DOCTORAT

“Biomateriale cu nanoparticule magnetice” – autor **Eugenia Tanasă**,
coordonator științific Ecaterina Andronescu, noiembrie 2019

II. Articole/Studii in extenso publicate

1. Cernea, M., Greculeasa, S.-G., Radu, R., Aldica, G., Ganea, P., Surdu, V.A., **Tanasa (Vasile), E.**, Cioangher, M., Iacob, N., Costescu, R.M.
Magnetic properties of $BaNi_xFe_{12-x}O_{19}$ ($x=0.0-1.0$) hexaferrites, synthesized by citrate-gel auto-combustion and sintered by conventional and spark plasma methods
(2020) Journal of Alloys and Compounds, Volume 831, Article number 154850, ISSN: 0925-8388, DOI: 10.1016/j.jallcom.2020.154850
Impact factor (2018): 4.175
2. **Tanasa, E.**, Zaharia, C., Hudita, A., Radu, I.-C., Costache, M., Galateanu, B.
Impact of the magnetic field on 3T3-E1 preosteoblasts inside SMART silk fibroin-based scaffolds decorated with magnetic nanoparticles
(2020) Materials Science and Engineering C, Volume 110, Article number 110714, ISSN: 0928-4931, DOI: 10.1016/j.msec.2020.110714, WOS: 000527395900087
Impact factor (2018): 4.959
3. Scarisoreanu, M., Ilie, A.G., Goncarenco, E., Banici, A.M., Morjan, I.P., Dutu, E., **Tanasa, E.**, Fort, I., Stan, M., Mihailescu, C.N., Fleaca, C.
Ag, Au and Pt decorated TiO_2 biocompatible nanospheres for UV & vis photocatalytic water treatment
(2020) Applied Surface Science, Volume 509, Article number 145217, ISSN: 0169-4332, DOI: 10.1016/j.apsusc.2019.145217, WOS: 000514827600169
Impact factor (2018): 5.155

4. Tiliakos, A., Trefilov, A.M.I., **Tanasă, E.**, Balan, A., Stamatina, I.
Laser-induced graphene as the microporous layer in proton exchange membrane fuel cells
(2020) Applied Surface Science, Volume 504, Article number 144096, ISSN: 0169-4332, DOI: 10.1016/j.apsusc.2019.144096, WOS: 000502040600037
Impact factor (2018): 5.155
5. Radu, I.-C., Biru, I.-E., Damian, C.-M., Ion, A.-C., Iovu, H., **Tanasa, E.**, Zaharia, C., Galateanu, B.
Grafting versus crosslinking of silk Fibroin-g-PNIPAM via tyrosine-NIPAM bridges
(2019) Molecules, Volume 24, Issue 22, Article number: molecules24224096, ISSN: 1420-3049, DOI: 10.3390/molecules24224096, WOS: 000501529700085
Impact factor (2018): 3.06
6. **Eugenia Tanasă,** Cătălin Zaharia, Ionuț-Cristian Radu, Vasile-Adrian Surdu, Bogdan-Ștefan Vasile, Celina-Maria Damian, Ecaterina Andronescu
Novel Nanocomposites Based on Functionalized Magnetic Nanoparticles and Polyacrylamide: Preparation and Complex Characterization
(2019) Nanomaterials, Volume 9, Issue 10, Article number 1384, 16 pages, ISSN: 2079-4991, DOI: 10.3390/nano9101384, WOS: 000495666800039
Impact factor (2018): 4.034
7. Abdullah, M.Z. Al-Timimi, M.H., Albanda, W.H., Dumitru, M., Balan, A.E., Ceaus, C., **Tanasa, E.**, Stamatina, I.
Structural and electrochemical properties of $p3\text{-Na}_{0.67}\text{Mn}_{0.3}\text{Co}_{0.7}\text{O}_2$ nanostructures prepared by citric-urea self-combustion route as cathode for sodium ion battery
(2019) Digest Journal of Nanomaterials and Biostructures, Volume 14, Issue 4, Pages 1179-1193, ISSN: 1842-3582, WOS: 000506162500034
Impact factor (2018): 0.638
8. Surdu, V.-A. Trușcă, R.D., Vasile, B.Ș., Oprea, O.C., **Tanasă, E.**, Diamandescu, L., Andronescu, E., Ianculescu, A.C.
Bi1-xeuxfeo3 powders: Synthesis, characterization, magnetic and photoluminescence properties
(2019) Nanomaterials, Volume 9, Issue 10, Article number 1465, ISSN: 2079-4991, DOI: 10.3390/nano9101465, WOS:000495666800120
Impact factor (2018): 4.034
9. Andronescu, E., Predoi, D., Neacsu, I.A., Paduraru, A.V., Musuc, A.M., Trusca, R., Oprea, O., **Tanasa, E.**, Vasile, O.R., Nicoara, A.I., Surdu, A.V., Iordache, F., Birca, A.C., Iconaru, S.L., Vasile, B.S.
Photoluminescent hydroxylapatite: Eu^{3+} doping effect on biological behaviour
(2019) Nanomaterials, Volume 9, Issue 9, Article number 1187, ISSN: 2079-4991, DOI: 10.3390/nano9091187, WOS: 000489101900004
Impact factor (2018): 4.034

10. Zervos, M, Othonos, A., **Tanasă, E.**, Vasile, E.
High-Temperature Pb Doping of SnO₂ and Growth Limitations of Pb_xSn_{1-x}O₂ Nanowires Versus Low-Temperature Growth of Pb_xSn_{1-x}O for Energy Storage and Conversion
(2019) Journal of Physical Chemistry C, Volume 123, Issue 26, Pages 16415-16423, ISSN: 1932-7447, DOI: 10.1021/acs.jpcc.9b02865, WOS: 000474796600058
Impact factor (2018): 4.309
11. Charalampous, A., Zervos, M., Kioseoglou, J., Tsagaraki, K., Androulidaki, M., Konstantinidis, G., **Tanasă, E.**, Vasile, E.
Epitaxially Oriented Sn:In₂O₃ Nanowires Grown by the Vapor-Liquid-Solid Mechanism on m-, r-, a-Al₂O₃ as Scaffolds for Nanostructured Solar Cells
(2019) ACS Applied Energy Materials, Volume 2, Issue 6, Pages 4274-4283, ISSN: 2574-0962, DOI: 10.1021/acsaem.9b00519, WOS: 000473116600039
12. Antoniadou, M., Pilch-Wrobel, A., Riziotis, C., Bednarkiewicz, A., **Tanasă, E.**, Krasia-Christoforou, T.
Fluorescent electrospun PMMA microfiber mats with embedded NaYF₄: Yb/Er upconverting nanoparticles
(2019) Methods and Applications in Fluorescence, Volume 7, Issue 3, Article number 034002, ISSN: 2050-6120, DOI: 10.1088/2050-6120/ab1dbd, WOS: 000468959100001
Impact factor (2018): 2.94
13. Scarisoreanu, M., Ilie, A., Dutu, E., Badoi, A., Dumitrache, F., **Tanasa, E.**, Mihailescu, C.N., Mihailescu, I.
Direct nanocrystallite size investigation in microstrained mixed phase TiO₂ nanoparticles by PCA of Raman spectra
(2019) Applied Surface Science, Volume 470, Pages 507-519, ISSN: 0169-4332, DOI: 10.1016/j.apsusc.2018.11.122, WOS: 000454997100058
Impact factor (2018): 5.155
14. **Tanasă, E.**, Andronescu, E., Cernea, M., Oprea, O.C.
Fe₃O₄/BaTiO₃ composites with core-shell structure
(2019) UPB Scientific Bulletin, Series B, Chemistry and Materials Science, Volume 81, Issue 2, Pages 171-180, ISSN: 1454-2331, WOS: 000487213500015
15. Surdu, V.-A., Wang, Y., Bîrcă, A.C., Tanasă, E., Andronescu, E.
Bismuth ferrite powders prepared by microwave-assisted hydrothermal method
(2019) UPB Scientific Bulletin, Series B, Chemistry and Materials Science, Volume 81, Issue 4, Pages 3-14, ISSN: 1454-2331, WOS: 000501994100001
16. **Tanasă, E.**, Radu, I.-C., Galateanu, B., Hudita, A., Andronescu, E., Zaharia, C.
Complex morphostructural and in vitro biological investigation of nanocomposite hydrogels tailored with magnetic nanoparticles
(2019) Revista de Chimie, Volume 70, Issue 12, Pages 4420-4425, ISSN: 0034-7752, DOI: 10.37358/RC.19.12.7769
Impact factor (2018): 1.605

17. Zervos, M., Lathiotakis, N., Kelaidis, N., Othonos, A., **Tanasa, E.**, Vasile, E.
Epitaxial highly ordered Sb:SnO₂ nanowires grown by the vapor liquid solid mechanism on m-, r- and a-Al₂O₃
(2019) Nanoscale Advances, Volume 1, Issue 5, Pages 1980-1990, ISSN: 2516-0230, DOI: 10.1039/c9na00074g, WOS: 000477090200037

18. Radu, I.C., Hudita, A., Zaharia, C., Galateanu, B., Iovu, H., **Tanasa, E.V.**, Georgiana Nitu, S., Ginghina, O., Negrei, C., Tsatsakis, A., Velonia, K., Shtilman, M., Costache, M.
Poly(3-hydroxybutyrate-CO-3-hydroxyvalerate) PHBV biocompatible nanocarriers for 5-FU delivery targeting colorectal cancer
(2019) Drug Delivery, Volume 26, Issue 1, Pages 318-327, ISSN: 1071-7544, DOI: 10.1080/10717544.2019.1582729, WOS: 000461915200001

Impact factor (2018): 3.829

19. Romanitan, C., Varasteanu, P., Mihalache, I., Culita, D., Somacescu, S., Pascu, R., **Tanasa, E.**, Eremia, S.A.V., Boldeiu, A., Simion, M., Radoi, A., Kusko, M.
High-performance solid state supercapacitors assembling graphene interconnected networks in porous silicon electrode by electrochemical methods using 2,6-dihydroxynaphthalen
(2018) Scientific Reports, Volume 8, Issue 1, Article number 9654, ISSN: 2045-2322, DOI: 10.1038/s41598-018-28049-x, WOS: 000436079000002

Impact factor (2018): 4.011

20. Zervos, M., Othonos, A., **Tanasă, E.**, Vasile, E., Leontidis, E.
SnO₂/PbO_x (x = 1, 2) Core-Shell Nanowires and Their Growth on C-Fiber Networks for Energy Storage
(2018) Journal of Physical Chemistry C, Volume 122, Issue 45, Pages 25813-25821, ISSN: 1932-7447, DOI: 10.1021/acs.jpcc.8b07526, WOS: 000451101400010

Impact factor (2018): 4.309

21. Zervos, M., Othonos, A., **Tanasă, E.**, Vasile, E.
Doping and Conductivity Limitations in Sb:SnO₂ Nanowires Grown by the Vapor Liquid Solid Mechanism
(2018) Journal of Physical Chemistry C, Volume 122, Issue 39, Pages 22709-22716, ISSN: 1932-7447, DOI: 10.1021/acs.jpcc.8b06632, WOS: 000446926400053

Impact factor (2018): 4.309

22. Ivo Safarik, Kristyna Pospiskova, Eva Baldikova, Ioanna Savva, Ladislau Vekas, Oana Marinica, **Eugenia Tanasa**, Theodora Krasia-Christoforou
Fabrication and Bioapplications of Magnetically Modified Chitosan-based Electrospun Nanofibers
(2018) Electrospinning, Volume 2, Issue 1, Pages 29-39, ISSN: 2391-7407, DOI: 10.1515/esp-2018-0003

23. Balas, M., Dumitrache, F., Badea, M.A, Fleaca, C., Badoi, A., **Tanasa, E.**, Dinischiotu, A.

Coating dependent in vitro biocompatibility of new Fe-Si nanoparticles

(2018) *Nanomaterials*, Volume 8, Issue 7, Article number 495, ISSN: 2079-4991, DOI: 10.3390/nano8070495, WOS: 000442523100046

Impact factor (2018): 4.034

24. Tiliakos, A., Trefilov, A.M.I., **Tanasă, E.**, Balan, A., Stamatina, I.,

Space-Filling Supercapacitor Carpets: Highly scalable fractal architecture for energy storage

(2018) *Journal of Power Sources*, Volume 384, Pages 145-155, ISSN: 0378-7753, DOI: 10.1016/j.jpowsour.2018.02.061, WOS: 000430897700017

Impact factor (2018): 7.467

25. Craciun, E., Predoana, L., Atkinson, I., Jitaru, I., Anghel, E.M., Bratan, V., Gifu, C., Anastasescu, C., Rusu, A., Raditoiu, V., **Vasile, E.**, Anastasescu, M., Balint, I., Zaharescu, M.

Fe³⁺-doped TiO₂ nanopowders for photocatalytic mineralization of oxalic acid under solar light irradiation

(2018) *Journal of Photochemistry and Photobiology A: Chemistry*, Volume 356, Pages 18-28, ISSN: 1010-6030, DOI: 10.1016/j.jphotochem.2017.12.024, WOS: 000428972800003

Impact factor (2018): 3.261

26. Ott, C., Raicopol, M.D., Andronescu, C. **Vasile, E.**, Hanganu, A., Pruna, A. Pilan, L. *Functionalized polypyrrole/sulfonated graphene nanocomposites: Improved biosensing platforms through aryl diazonium electrochemistry*

(2018) *Synthetic Metals*, Volume 235, Pages 20-28, ISSN: 0379-6779, DOI: 10.1016/j.synthmet.2017.11.006, WOS: 000424176500003

Impact factor (2018): 2.87

27. Ilie, A.G., Scarisoreanu, M., Dutu, E., Dumitrache, F., Banici, A.-M., Fleaca, C.T., **Vasile, E.**, Mihailescu, I.

Study of phase development and thermal stability in as synthesized TiO₂ nanoparticles by laser pyrolysis: ethylene uptake and oxygen enrichment

(2018) *Applied Surface Science*, Volume 427, Pages 798-806, ISSN: 0169-4332, DOI: 10.1016/j.apsusc.2017.08.041, WOS: 000415135500092

Impact factor (2018): 5.155

28. Enache, D.F., **Vasile, E.**, Simonescu, C.M., Culita, D., Vasile, E., Oprea, O., Pandele, A.M., Razvan, A., Dumitru, F., Nechifor, G.

Schiff base-functionalized mesoporous silicas (MCM-41, HMS) as Pb(ii) adsorbents

(2018) *RSC Advances*, Volume 8, Issue 1, Pages 176-189, ISSN: 2046-2069, DOI: 10.1039/c7ra12310h, WOS: 000419187600021

Impact factor (2018): 3.049

29. Zervos, M., Leontidis, E., **Tanasă, E.**, Vasile, E., Othonos, A.
Sn:In₂O₃ and Sn:In₂O₃/NiS₂ Core-Shell Nanowires on Ni, Mo Foils and C Fibers for H₂ and O₂ Generation
(2017) Journal of Physical Chemistry C, Volume 121, Issue 50, Pages 27839-27848, ISSN: 1932-7447, DOI: 10.1021/acs.jpcc.7b09587, WOS: 000418784100008
Impact factor (2018): 4.309
30. Iliu, R., Liatsou, I., Savva, I., **Vasile, E.**, Vekas, L., Marinica, O., Mpekris, F., Pashalidis, I., Krasia-Christoforou, T.
Magnetoresponse polymer networks as adsorbents for the removal of U(VI) ions from aqueous media
(2017) European Polymer Journal, Volume 97, Pages 138-146, ISSN: 0014-3057, DOI: 10.1016/j.eurpolymj.2017.10.005, WOS: 000419415800015
Impact factor (2018): 3.621
31. Galateanu, B., Radu, I.C., **Vasile, E.**, Hudita, A., Serban, M.V., Costache, M., Iovu, H., Zaharia, C.
Fabrication of novel silk fibroin-LDHs composite architectures for potential bone tissue engineering
(2017) Materiale Plastice, Volume 54, Issue 4, Pages 659-665, ISSN: 0025-5289, WOS: 000426412500014
Impact factor (2018): 1.393
32. Buzatu, M., Ghica, S.I., Petrescu, M.I., Geanta, V., Stefanoiu, R., Iacob, G., Butu, M., **Vasile, E.**
Obtaining and characterization of the Ti15Mo5W alloy for biomedical applications
(2017) Materiale Plastice, Volume 54, Issue 3, Pages 596-600, ISSN: 0025-5289, WOS: 000426412300045
Impact factor (2018): 1.393
33. Enache, D.F., **Vasile, E.**, Simonescu, C.M., Răzvan, A., Nicolescu, A., Nechifor, A.-C., Oprea, O., Pătescu, R.-E., Onose, C., Dumitru, F.
Cysteine-functionalized silica-coated magnetite nanoparticles as potential nano adsorbents
(2017) Journal of Solid State Chemistry, Volume 253, Pages 318-328, ISSN: 0022-4596, DOI: 10.1016/j.jssc.2017.06.013, WOS: 000406572600044
Impact factor (2018): 2.291
34. Mihalache, I., Radoi, A., Pascu, R., Romanitan, C., **Vasile, E.**, Kusko, M.
Engineering Graphene Quantum Dots for Enhanced Ultraviolet and Visible Light p-Si Nanowire-Based Photodetector
(2017) ACS Applied Materials and Interfaces, Volume 9, Issue 34, Pages 29234-29247, ISSN: 1944-8244, DOI: 10.1021/acsami.7b07667, WOS: 000409395500119
Impact factor (2018): 8.456

35. Radu, I.-C., Hudita, A., Zaharia, C., Stanescu, P.O., **Vasile, E.**, Iovu, H., Stan, M., Ginghina, O., Galateanu, B., Costache, M., Langguth, P., Tsatsakis, A., Velonia, K., Negrei, C.

Poly(HydroxyButyrate-co-HydroxyValerate) (PHBHV) nanocarriers for silymarin release as adjuvant therapy in colo-rectal cancer

(2017) *Frontiers in Pharmacology*, Volume 8, Issue AUG, Article number 508, ISSN: 1663-9812, DOI: 10.3389/fphar.2017.00508, WOS: 000406996200003

Impact factor (2018): 3.845

36. Bunea, M.C., **Vasile, E.**, Galateanu, B., Hudita, A, Serban, M., Zaharia, C.

Silk fibroin films decorated with magnetic nanoparticles for wound healing applications

(2017) *Materiale Plastice*, Volume 54, Issue 1, Pages 83-87, ISSN: 0025-5289, WOS: 000400629900019

Impact factor (2018): 1.393

37. Zervos, M., **Vasile, E.**, Vasile, E., Othonos, A.

Core-shell PbS/Sn:In₂O₃ and branched PbIn₂S₄/Sn:In₂O₃ nanowires in quantum dot sensitized solar cells

(2017) *Nanotechnology*, Volume 28, Issue 5, Article number 054004, ISSN: 0957-4484, DOI: 10.1088/1361-6528/aa5216, WOS: 000392007900001

Impact factor (2018): 3.399

38. Pandele A.M., Ionita M., Lungu A., **Vasile E.**, Zaharia C., Iovu H.

Porous chitosan/graphene oxide biocomposites for tissue engineering

(2017) *Polymer Composites*, Volume 38, Issue 2, Pages 363-370, ISSN: 0272-8397, DOI: 10.1002/pc.23594, WOS: 000397292900016

Impact factor (2018): 2.268

39. Ghica, G.V., Toma, C.-M., Buzatu, M., Petrescu, M.-I., Iacob, G, Antoniac, I.V., **Vasile, E.**, Veglio, F.

Recovery of active cathode material containing co and li from waste li-ion batteries

(2017) *UPB Scientific Bulletin, Series B: Chemistry and Materials Science*, Volume 79, Issue 3, Pages 75-86, ISSN: 1454-2331, WOS: 000416417800008

40. Voicu, N.V., Crica, L.E., Pandele, A.M., Damian, C.M, **Vasile, E.**, Ionita, M.

Graphene oxide reinforced gelatin-poly(vinyl alcohol) porous composites for biomedical applications

(2016) *Materiale Plastice*, Volume 53, Issue 3, Pages 399-405, ISSN: 0025-5289, WOS: 000384870300013

Impact factor (2018): 1.393

41. Ioanna Savva, Andreas S. Kalogirou, Mariliz Achilleos, **Eugenia Vasile**, Panayiotis A. Koutentis, Theodora Krasia-Christoforou

Evaluation of PVP/Au Nanocomposite Fibers as Heterogeneous Catalysts in Indole Synthesis

(2016) *Molecules*, Volume 21, Issue 9, Article number 1218, ISSN: 1420-3049, DOI: 10.3390/molecules21091218, WOS: 000385479800115

Impact factor (2018): 3.06

42. Mariana Ionita, Livia Elena Crica, **Eugenia Vasile**, Sorina Dinescu, Madalina Andreea Pandele, Marieta Costache, Håvard Jostein Haugen, Horia Iovu

Effect of carboxylic acid functionalized graphene on physical-chemical and biological performances of polysulfone porous films

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