



Curriculum vitae Europass

Informații personale

Nume / Prenume	Lazăr Gabriel Octavian	
Adresă birou	Calea Mărășești 157, 600115, Bacău	
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E-mail	glazar@ub.ro	
Naționalitate	română	
Data nașterii	21.04.1965	
Sex	Masculin	

Experiența profesională

Perioada	2012-2016	
Funcția sau postul ocupat	Președinte al Senatului universitar	
Activități și responsabilități principale	Coordonarea activității Senatului universitar	
Numele și adresa angajatorului	Universitatea „Vasile Alecsandri” din Bacău, Calea Mărășești 157	
Tipul activității sau sectorul de activitate	Învățământ superior	
Perioada	2008-2012	
Funcția sau postul ocupat	Prorector cu programe de cercetare și relații internaționale	
Activități și responsabilități principale	Managementul activității de cercetare și a relațiilor internaționale, coordonarea activităților de doctorat din universitate	
Numele și adresa angajatorului	Universitatea „Vasile Alecsandri” din Bacău, Calea Mărășești 157	
Tipul activității sau sectorul de activitate	Învățământ superior	
Perioada	2006-2008	
Funcția sau postul ocupat	Director Departament Managementul Calității	
Activități și responsabilități principale	Implementarea și certificarea sistemului de management al calității conform ISO 9001	
Numele și adresa angajatorului	Universitatea din Bacău, Calea Mărășești 157	
Tipul activității sau sectorul de activitate	Învățământ superior	
Perioada	1990-prezent	
Funcția sau postul ocupat	Preparator (1990-1992), asistent (1992-1996), șef lucrări (1996-2003), conferențiar (2003-2007), profesor universitar (2007 – prezent), îndrumător de doctorat în domeniul Ingineria Mediului (2009-prezent)	
Activități și responsabilități principale	Activitate de predare și cercetare științifică	
Numele și adresa angajatorului	Universitatea din Bacău, Calea Mărășești 157	
Tipul activității sau sectorul de activitate	Învățământ superior	

Educație și formare

Perioada	Septembrie-octombrie 2015
Calificarea / diploma obținută	Certificate of Completion
Disciplinele principale studiate / competențe profesionale dobândite	Going Places with Spatial Analysis
Numele și tipul instituției de învățământ / furnizorului de formare	ESRI prin udemy
Perioada	Mai-iunie 2015
Calificarea / diploma obținută	Certificat de absolvire
Disciplinele principale studiate / competențe profesionale dobândite	Éléments de Géomatique
Numele și tipul instituției de învățământ / furnizorului de formare	L'ecole Polytechnique Fédérale de Lausanne prin Coursera
Perioada	Ianuarie-februarie 2015
Calificarea / diploma obținută	Certificat de absolvire
Disciplinele principale studiate / competențe profesionale dobândite	Geospatial Intelligence & the Geospatial Revolution
Numele și tipul instituției de învățământ / furnizorului de formare	Pennsylvania State University prin Coursera
Perioada	2008
Calificarea / diploma obținută	Curs de specializare
Disciplinele principale studiate / competențe profesionale dobândite	Specializare în tehnici AFM/SPM
Numele și tipul instituției de învățământ / furnizorului de formare	APE Research, Trieste, Italia
Perioada	2007
Calificarea / diploma obținută	Curs postuniversitar de specializare/Certificat de absolvire
Disciplinele principale studiate / competențe profesionale dobândite	Auditor de mediu
Numele și tipul instituției de învățământ / furnizorului de formare	SC Expert Consulting Management SRL
Perioada	2006
Calificarea / diploma obținută	Curs postuniversitar de specializare
Disciplinele principale studiate / competențe profesionale dobândite	Documentarea, implementarea și îmbunătățirea sistemului de management al calității în procesul educațional și de cercetare științifică
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea din Bacău
Perioada	2001-2002 (6 luni)
Calificarea / diploma obținută	Stagiu post-doctoral
Disciplinele principale studiate / competențe profesionale dobândite	Depunere și caracterizare de straturi subțiri, specializare în tehnici spectroscopice de analiză
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea Jules Verne din Amiens, Franța Ecole Polytechnique Palaiseau, Paris, Franța

Perioada 1990-1999
 Calificarea / diploma obținută Doctorat
 Disciplinele principale studiate / competențe profesionale dobândite Fizica stării condensate
 Numele și tipul instituției de învățământ / furnizorului de formare Universitatea Al.I.Cuza Iași

Perioada 1984-1989
 Calificarea / diploma obținută Inginer fizician
 Disciplinele principale studiate / competențe profesionale dobândite Inginerești
 Numele și tipul instituției de învățământ / furnizorului de formare Universitatea București

Aptitudini și competențe personale

Limba(i) maternă(e) **Româna**

Limba(i) străină(e) cunoscută(e)

Autoevaluare
 Nivel european (*)

Limba Franceză

Limba Engleză

Înțelegere		Vorbire		Scriere
Ascultare	Citire	Participare la conversație	Discurs oral	Exprimare scrisă
C1	C1	B2	B2	B2
C1	C1	B2	B2	C1

(*) [Nivelul Cadrului European Comun de Referință Pentru Limbi Străine](#)

Competențe și abilități sociale Competențe de lucru în echipă, integrare, adaptare, dobândite ca:
 Președinte al organizației non profit Asociația de Sprijin Academica
 Vicepreședinte al organizației non profit Young Promotion

Competențe și aptitudini organizatorice Abilități de coordonare și conducere certificate prin funcțiile ocupate până în prezent:
 Președinte al Senatului universitar
 Prorector cu programe de Cercetare și Relații Internaționale
 Director al Departamentului de Cercetare, Transfer Tehnologic, Studii Postuniversitare, Formare Continuă și Doctorat
 Director al centrului de cercetare Inginerie Fizică și Ingineria Mediului
 Director al Departamentului de Managementul Calității
 Șef al catedrei de Matematică Fizică Informatică

Competențe și aptitudini tehnice Competențe tehnice generale dobândite prin educație și formare profesională

Competențe și aptitudini de utilizare a calculatorului Abilități informatice: Origin, ArcGIS, Word, Excel, MatLab, EndNote, achiziție și prelucrare de date, web design si programare html

Permis(e) de conducere Permis categoria B

Informații suplimentare

- Conducător de doctorat în domeniul Ingineria Mediului din 2009
- Peste 150 de articole științifice publicate în reviste științifice din țară și străinătate, proceedings-uri ale conferințelor etc.
- 62 articole publicate în reviste cotate ISI
- Peste 250 citări (fără autocitări) în reviste cotate ISI
- h-index = 10 (<http://www.researcherid.com/rid/A-4180-2010>)
- Trei stagii ca profesor invitat cu durata între 4 și 6 săptămâni la Universitatea Jules Verne din Amiens, Franța
- Participarea la peste 50 conferințe internaționale în Austria, Belgia, Bulgaria, Cehia, Franța, Germania, Grecia, Italia, Japonia, Malta, Moldova, Muntenegru, Scoția, Serbia, Spania, Ungaria și România
- Membru al Registrului Național al Experților și expert evaluator CNCSIS
- Evaluator ARACIS
- Membru CNATDCU (până în 2016)

Listă de publicații - <http://www.researcherid.com/rid/A-4180-2010>

**Lista de lucrări publicate sau prezentate de către
prof.univ.dr.ing. Gabriel LAZĂR
- Selecție -**

A. TEZA DE DOCTORAT

«*Contribuții la studiul proprietăților optice și electrice ale straturilor subțiri de a-C:* » Universitatea „AL.I. CUZA” Iași, mai 1999, conducător științific prof.univ.dr. Ilie Bursuc.

B1. CĂRȚI ȘI CAPITOLE DIN CĂRȚI PUBLICATE

1. Reducerea poluării fonice în mediul industrial, C.Tomozei, M. Panainte, G. Lazăr, F. Nedeff, V. Nedeff (coord.), Ed. Alma Mater, Bacău, **2014**, ISBN 987-606-527-354-2, 269 pg.
2. Utilizarea platformelor educaționale interactive online, Iuliana Mihaela Lazăr (coordonator), Liliana Mata, Maria-Ema Faciu, Marius Stamate, Venera Cojocariu, Elena Nechita, Adriana Mălureanu, Călin Mateian, Gabriel Lazăr, Ed. Alma Mater Bacău, **2014**, ISBN 978-606-527-429-7, 161 pg.
3. Potabilizarea apelor – procedee și tehnici de filtrare, Oana Țirțoacă (Irimia), Valentin Nedeff, Mirela Panainte, Gabriel Lazăr, Ed. Alma Mater, Bacău, **2014**, ISBN 978-606-527-355-9, 157 pg.
4. Student's Expectations to Using Interactive Whiteboards, Liliana Mata, Iulia Lazar, Alina Diaconescu, Gabriel Lazăr, in *Educational Activities from Higher Education, in Scientific Computing, Communicability and Cultural Heritage: Future Trends in Software and Interactive Design*, Francisco V. C. Ficarra (Main Editor), Blue Herons Editions, ISBN 978-88-96471-11-1, **2013**, pp. 57-76.
5. Comparative Analysis of Pre-primary and Primary Teachers Training Programmes in Romania and Cyprus, Ioannidou-Koutselini, M., Koumi, K., Măță, L., Boghian, I., & Lazăr, G., in *Curricular Innovations in the Training of Pre-Primary and Primary Teachers in Cyprus and Romania*, Editors: Mata Liliana, Konstantinos Koumi, Publisher: University of Cyprus, ISBN: 978-9963-700-74-5, **2013**, pp. 148-160.
6. Epurarea apelor uzate menajere în stații de epurare de capacitate mică, N. Bârsan, E. Moșneguțu, G. Lazăr, V. Nedeff (coord.), Ed. Alma Mater, Bacău, **2012**, ISBN 987-606-527-213-2 222 pagini
7. Tehnologii pentru depoluarea solului, Chițimuș Alexandra Dana, Nedeff Valentin (coord.), Moșneguțu Emilian, Lazăr Gabriel, Ed. Alma Mater, Bacău, **2012**, ISBN 987-606-527-218-7 214 pagini
8. Strat-uri subțiri. Metode de obținere, G. Lazăr, M. Stamate, Ed. Pim, Iași, **2007** ISBN 973-716-705-8 134 pagini
9. Radiația nucleară. Efecte și aplicații, Marius Stamate, Gabriel Lazăr, Ed. Pim, Iași, **2007** ISBN 973-716-704-X 125 pagini
10. Noțiuni de radioactivitate și radioprotecție, M. Stamate, G. Lazăr, Ed. Tehnopress, Iași, **2003**, ISBN 973-988-65-5-8, 250 pagini
11. Electrodinamică, Cl. Mociuțchi, G. Lazăr, Ed. Matrix Rom, București, **2003**, ISBN 973-685-607-0, 301 pagini
12. Optica - Lucrări practice, V. Mușinschi, I. Lazăr, G. Lazăr, Universitatea Bacău, **1996**, 81 pagini
13. Fizica - Teorie și aplicații, Gh. Călugăru, S.Istrate, E.Horga, D.Horga, I.Vascan, G.Lazăr, M.Stamate, I.Lazăr, Universitatea Bacău, **1994**, 430 pagini
14. Fizica generală - lucrări practice, I. Vascan, I. Rusu, M. Stamate, I. Lazăr, G. Lazăr, Universitatea Bacău, **1994**, 150 pagini
15. Electricitate și magnetism - lucrări practice, I. Vascan, G. Lazăr, Universitatea Bacău, **1994**, 136 pagini

B2. CĂRȚI EDITATE

1. First International Conference on MOLD AVIAN RISKS – FROM GLOBAL TO LOCAL SCALE, 16-19 May, **2012** Bacau, ROMANIA BOOK OF ABSTRACTS, Editori: Mioara Manda, Gabriel Lazar, Valentin Nedeff, Ed. Alma Mater, Bacău, **2012**
2. Proiectul BRAIN – rezultate obținute la Universitatea „Vasile Alecsandri” din Bacău, Editor: Gabriel Lazăr, Ed. Alma Mater, Bacău, **2011**

C. ARTICOLE/STUDII PUBLICATE ÎN REVISTE DE SPECIALITATE DE CIRCULAȚIE INTERNAȚIONALĂ SAU ÎN REVISTE DIN ȚARĂ RECUNOSCUTE

C1. Lucrări publicate în reviste cotate ISI

1. Some optical absorption critical points in layered GaSxSe1-x crystals, V.Musinschi, M.Caraman, G.Lazăr, I.Lazar, *Pure and Applied Optics*, **1998**, 7, 475 – 481 IF 0.813;
2. Influence of the substrate-electrode applied bias voltage on the properties of sputtered a-C:H thin films, G. Lazăr, *Journal of Physics: Condensed Matter*, **2001**, 13 (13), 3011 – 3021 IF 1.59;
3. The influence of the magnetron sputtering deposition parameters on optical properties of a-C:H thin films, Gabriel Lazăr, *Acta Physica Polonica A*, **2001**, 100, 67 – 74 IF 0.475;

4. Some properties of sputtered a-C:H, G.Lazar, I.Vasca, I.Lazar, M.Stamate, *Journal of Non-Crystalline Solids*, **2002**, 299-302, 835 – 839 IF 1.435;
5. Some peculiarities in ultraviolet absorption spectra for hydrogenated amorphous carbon thin films, G. Lazăr, *Materials Letters*, **2002**, 57, 586 – 588 IF 0.892;
6. Carbon vibration modes in C60 fullerenes, P.Loзованu, G.Lazar, M.Stamate, M.Caraman, *Journal of Optoelectronics and Advanced Materials*, **2002**, 4, 151-154 IF 0.446;
7. a-C:H films deposition by sputtering/CVD method, G. Lazăr, *Acta Physica Slovaca*, **2002**, 52(5), 467-473 IF 0.354;
8. Effect of the RF power and deposition temperature on the electrical and optical properties of carbon nitride films, G. Lazar, M. Clin, S. Charvet, M. Therasse, C. Godet, K. Zellama, *Diamond and Related Materials*, **2003**, 12, 201-207 IF 1.867;
9. IR characterization of a-C:H:N films sputtered in Ar/CH4/N2 plasma, G. Lazăr, I. Lazăr, *Journal of Non-Crystalline Solids*, **2003**, 331, 70-78 IF 1.563;
10. Band tail hopping conduction mechanism in highly conductive amorphous carbon nitride thin films, G.Lazar, K.Zellama, M. Clin, C.Godet, **2004**, *Applied Physics Letters* 85(25), 6176-6178 IF 4.308;
11. Infrared absorption properties of amorphous carbon films, G. Lazar, K. Zellama, I. Vascan, M. Stamate, I. Lazar, I. Rusu, *Journal of Optoelectronics and Advanced Materials*, **2005**, 7(2), 647-652 IF 1.138;
12. Optical and surface properties TiO2 thin films deposited by dc magnetron sputtering method, M. Stamate, I. Vascan, I. Lazar, G. Lazar, I. Caraman, M. Caraman, *Journal of Optoelectronics and Advanced Materials*, **2005**, 7(2), 771-774 IF 1.138;
13. Spectroscopic study using FTIR, Raman, XPS and NEXAFS of carbon nitride thin films deposited by RF magnetron sputtering, B. Bouchet-Fabre, E. Marino, G. Lazar, K. Zellama, M. Clin, D. Ballutaud, F. Abel and C. Godet, *Thin Solid Films*, **2005**, 482 (1-2), 167-171 IF 1.569;
14. Conduction mechanism for sputtered a-C:H based structures, I. Lazar and G. Lazar, *Journal of Non-Crystalline Solids*, **2006**, 352(21-22), 2096-2099 IF 1.433;
15. DC magnetron power dependence of a-SiC:H IR absorption properties, Marius D. Stamate, Iuliana Lazar, Gabriel Lazar, *Journal of Non-Crystalline Solids*, **2008**, 354, 61–64 IF 1.449;
16. Influence on the sp³/sp² character of the carbon on the insertion of nitrogen in RFMS carbon nitride films, K. Zellama, G. Lazar, D. Ballutaud, C. Godet and B. Bouchet-Fabre, *Diamond and Related Materials*, **2008**, 17(4-5), 700-704 IF 2.092;
17. Anatase – Rutile TiO₂ Thin Films Deposited in a D.C. Magnetron Sputtering System, M. Stamate, G. Lazar, I. Lazar, *Romanian Journal of Physics*, **2008**, 53(1-2), 217-222 IF 0.279;
18. Arc Discharge Installation for Fullerene Production, M. Caraman, G. Lazar, M. Stamate, I. Lazar, *Romanian Journal of Physics*, **2008**, 53(1-2), 273-278 IF 0.279;
19. Structural properties of nitrogenated amorphous carbon films: influence of deposition temperature and radiofrequency discharge power, G. Lazar, B. Bouchet-Fabre, K. Zellama, M. Clin, D. Ballutaud, *Journal of Applied Physics*, **2008**, 104, 073534 IF 2.201;
20. Effect of deposition temperature and radiofrequency discharge power on mechanical properties of nitrogenated amorphous carbon, G. Lazar, V. Nedeff, I. Lazar, L. Bibire, M. Stamate, I. Caraman, *Journal of Optoelectronics and Advanced Materials*, **2008**, 10(9), 2402-2404 IF 0.577;
21. Dimensional effects observed for the electrical, dielectrical and optical properties of TiO₂ DC magnetron thin films, Marius Stamate, Gabriel Lazar and Iulia Lazar, *Journal of Materials Science: Materials in Electronics*, **2009**, 20(2), 117-122 IF 1.020;
22. The Influence of Reactive Gaseous Flow Rate and Composition on the Optical Properties of TiO₂ Thin Films Deposited by Dc Magnetron, M. Stamate, G. Lazar, V. Nedeff, I. Lazar, I. Caraman, I. Rusu and D. Rusu, *Acta Physica Polonica*, **2009**, 115(3), 755-757 IF 0.433;
23. Transport mechanism analysis of non-equilibrium charge carrier in heterojunctions with GaS–CdTe:Mn thin films, I. Caraman, E. Cuculescu, M. Stamate, G. Lazar, V. Nedeff, I. Lazar and D. Rusu, *Thin Solid Films*, **2009**, 517(7), 2399-2402 IF 1.727;
24. Gentamicin interaction with B16F10 cell membrane studied by dielectrophoresis, Lazar I. M., Saplacan L., Lazar G., Sobetkii, A., Iordache, MM., Kovacs, E., Radu, M., Moisescu, MG., *European Biophysics Journal with Biophysics Letters*, **2011**, 40 Supplement: 1 237-237 (abstract);
25. Optical Properties of III-VI Lamellar Semiconductors Doped with Cu and Cd and of Related III-VI/Native Oxide Structures, Evtodiev S, Caraman I, Dmitroglu L, Leontie L, Nedeff V, Dafinei A, Lazar G and Evtodiev I, *Journal of Nanoelectronics and Optoelectronics*, **2011**, 6, 502-13, IF 0.9;
26. Environmental influence on two fish population evidenced by lipids spectral analysis, Lazar Gabriel Octavian, Ureche Dorel, Ifrim Irina Loredana, Stamate Marius, Ureche Camelia, Nedeff Valentin, Nistor Ileana Denisa, Finaru Adriana Luminita, Lazar Iuliana Mihaela, *Environmental Engineering and Management Journal*, **2012**, 11(1), 109-124, IF 1.117;

27. Noise sources characterization inside and outside a factory, Claudia Tomozei, Arianna Astolfi, Valentin Nedeff, Gabriel Lazar, *Environmental Engineering and Management Journal*, 2012, 11(3), 701-708, FI:1.117/SRI:0
28. Water-poverty relationships in the coastal town of Mbour (Senegal): Relevance of GIS for decision support, Toure N M, Kane A, Noel J F, Turmine V, Nedeff V and Lazar G, *International Journal of Applied Earth Observation and Geoinformation*, 2012, 14, 33-9, IF 2.176;
29. Optimization of the response times of the feed kinematical linkages of the numerical control machine tools in order to minimize the path error, Stan G, Lazar G and Miron C, *Meccanica*, 2012, 47, 1217-27, IF 1.747;
30. Dynamics in the boundary layer of a flat particle, Nedeff V, Mosnegutu E, Panainte M, Ristea M, Lazar G, Scurtu D, Ciobanu B, Timofte A, Toma S and Agop M, *Powder Technology*, 2012, 221, 312-7, IF 2.024;
31. Recombination luminescence and trap levels in undoped and Al-doped ZnO thin films on quartz and GaSe (0001) substrates, Evtodiev I, Caraman I, Leontie L, Rusu D I, Dafinei A, Nedeff V and Lazar G, *Materials Research Bulletin*, 2012, 47, 794-7, IF 2.141;
32. Demarcation of protection perimeters for surface water of Taabo (Ivory Coast) watershed using GIS and multicriteria analyzes, K.A. Anoh, J.P. Jourda, K.J. Kouamé, T.Jean-Jacques Koua, A.E. Eba, Gabriel Lazar, *Environmental Engineering and Management Journal*, 2012, 11(12), 2123-2131, IF 1.117;
33. Impact of agriculture on the quality of groundwater resources in peri-urban zone of Songon (Cote D'Ivoire), Dibi Brou, Kouame Kouassi Innocent, Konan-Waidhet A. Brice, Savane I., Biemi Jean, Nedeff Valentin, Lazar Gabriel, *Environmental Engineering and Management Journal*, 2012, 11(12), 2175-2184, IF 1.117;
34. Building an integrated environmental monitoring system for heavy metals in Romanian soils: a case study of Moldova region, Maria-Ema Faciu, Irina Loredana Ifrim, Gabriel Lazar, *Environmental Engineering and Management Journal*, 2012, 11(12), 2185-2201, IF 1.117;
35. Rainfall variability in senegalese rural area: implications on water resources in the borough of Fimela, Pierre Ndour, Alioune Kane, Awa Niang Fall, Gabriel Lazar, *Environmental Engineering and Management Journal*, 2012, 11(12), 2239-2247, IF 1.117;
36. Generalized lift force for complex fluid, Nedeff V., Bejenariu C., Lazar G., Agop M., *Powder Technology*, 2013, 235, 685-695, IF 2.499;
37. Modifications Induced by UV-Vis Irradiation on DNA Extract of Kiwifruit Investigated by Spectroscopic and Statistic Methods, Iuliana Mihaela Lazar, Irina Loredana Ifrim, Luminita Grosu & Gabriel Lazar, *Spectroscopy Letters*, 2013, 46(2), 81-86, IF 0.718;
38. ATR-FTIR characterization and classification of avocado oils from five Cameroon cultivars extracted with a friendly environmental process, Foudjo Brice Ulrich Saha, Kansci Germain, Iuliana Mihaela, Lazar Gabriel, Fokou Elie, Etoa Francois-Xavier, *Environmental Engineering and Management Journal*, 2013, 12(1), 97-103, IF 1.258;
39. Changes in growth of wheat plantlets induced by the action of thiamethoxam and thiophanate-methyl on seeds, Nicuta Daniela, Badaluta Nicoleta, Lazar Gabriel, Lazar Iuliana Mihaela, *Environmental Engineering and Management Journal*, 2013, 12(1), 85-96, IF 1.258;
40. Improving food security using GIS database for mechanized rice farms management in Northwestern Cote d'Ivoire, Konan-Waidhet Arthur Brice, Dibi Brou, Kouadio Konan Emmanuel, Nedeff Valentin, Lazar Gabriel, *Environmental Engineering and Management Journal*, 2013, 12(1), 41-48, IF 1.258;
41. Macro and ultra-micro scale changes of rapeseed seedlings germinated from seeds exposed to UVA-VIS radiations, Lazar Iuliana Mihaela, Ifrim Irina Loredana, Nicuta Daniela, Nistor Denisa, Lazar Gabriel, *Environmental Engineering and Management Journal*, 2013, 12(1), 49-57, IF 1.258;
42. Contribution of GIS to forestry management in Central African Republic, Damas Mokpidie, Gabriel Lazar, Ema Faciu, Lambert Mossoa, Roger Ngoufo, Marcel Koko, Aristide Médard Ouessebanga, *Environmental Engineering and Management Journal*, 2014, 13(7), 1623-1629, IF 1.065;
43. Application of digital mapping (GIS) to delineate floodplains in Lower Guinea, Republic of Guinea, Diaka Sidibe, Gabriel Lazar, Chakib Darraz, *Environmental Engineering and Management Journal*, 2014, 13(7), 1713-1719, IF 1.065;
44. Effectiveness of soil and water assessment tool model to simulate water flow in a large agricultural complex watershed: case of Buyo Lake Basin, West of Côte d'Ivoire, Tanoh Jean-Jacques Koua, Jean Patrice Jourda, Kan Jean Kouame, Kouao Armand Anoh, Wa Kouakou Charles N'Dri, Gabriel Lazar, Stuart Lane, *Environmental Engineering and Management Journal*, 2014, 13(7), 1735-1742, IF 1.065;
45. Stopper Effects in Network Type Polymers, Viorel-Puiu Paun, Valentin Nedeff, Dan Scurtu, Gabriel Lazar, Vlad Ghizdovat, Maricel Agop, Laura-Gheuca Solovastru, Radu Florin Popa, *Materiale Plastice*, 2014, 51(3), 225-229, IF 0.463;
46. Technical solution to reduce soil erosion produced by Tazlau River in Tarata perimeter, Romania, Stelian Cartacuzencu, Iuliana Lazar, Valentin Nedeff, Gabriel Lazar, *Environmental Engineering and Management Journal*, 2014, 13(8), 1971-1978, IF 1.065;

47. Conventional vs. vacuum sewerage system in rural areas - an economic and environmental approach, Terry Iulia Carmen Ciobotici; Lazar Iuliana; Nedeff Valentin; Lazar Gabriel, *Environmental Engineering and Management Journal*, **2014**, 13(8), 1847-1859, IF 1.065;
48. Exploratory spatial data analysis of heavy metals concentration in two sampling sites on Siret River, Faciu Maria Ema; Lazar Iuliana; Ifrim Irina; Ureche Camelia; Lazar Gabriel, *Environmental Engineering and Management Journal*, **2014**, 13(9), 2179-2186, IF 1.065;
49. Green Market: a comparative study in Romania, Panainte, M., Caraman, I., Nedeff, V., Inglezakis, V., Venetis, C., Coutsikos, P., Lazar, G., Barsan, N., *Fresenius Environmental Bulletin*, 23(11A), **2014** pp. 2870-2875, IF 0.527;
50. Non-linear behaviours in complex fluid dynamics via non-differentiability. Separation control of the solid components from heterogeneous mixtures, Valentin Nedeff, Gabriel Lazar, Maricel Agop, Emilian Mosnegutu, Mihail Ristea, Lăcrămioara Ochiuz, Lucian Eva, Cristina Popa, *Powder Technology*, **2015**, 269, 452-460, IF 2.759;
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