

**Conf. univ. dr. Dumitru BULGARIU**  
 Departamentul de Geologie  
 Facultatea de Geografie și Geologie  
 Universitatea „Alexandru Ioan Cuza” din Iași

### AUTOEVALUARE

#### STANDARDE MINIMALE NECESARE ȘI OBLIGATORII PENTRU CONFERIREA TITLULUI DIDACTIC DE PROFESOR COMISIA CHIMIE

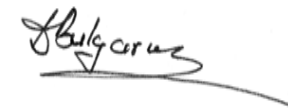
Conform Ordinului Ministrului Educației, Cercetării, Tineretului și Sportului nr. 6560 / 2012 și standardelor minimale pe domenii ale Universității „Alexandru Ioan Cuza” din Iași

Nr.	Domeniul de activitate	Condiții de profesor	Autoevaluare		
			Punctaj realizat		Apreciere
			Întreaga activitate	De la ultima promovare (2008-2015)	
1.	<b>A.1.</b> Activitatea didactică / profesională	9	54	42	Criteriu îndeplinit
2.	<b>A.2.</b> Activitatea de cercetare	Minim 41 puncte	71	54	Criteriu îndeplinit
3.	<b>A.3.</b> Recunoașterea impactului activității	Minim 50 puncte	167	166	Criteriu îndeplinit
<b>Total*</b>		<b>100 puncte</b>	<b>292</b>	<b>262</b>	Standarde îndeplinite

\*Standardelor minimale pe domenii ale Universității „Alexandru Ioan Cuza” din Iași – comisia CHIMIE: minim 200 puncte de la ultima promovare.

10. 06. 2015

**Conf. univ. dr. Bulgariu Dumitru**



## AUTOEVALUARE

STANDARDE MINIMALE PE DOMENII ALE UNIVERSITĂȚII „ALEXANDRU IOAN CUZA” DIN IAȘI PENTRU CONFERIREA TITLULUI DIDACTIC DE PROFESOR  
(îndeplinirea standardelor minime obligatorii stabilite de comisia Chimie din cadrul CNATDCU)

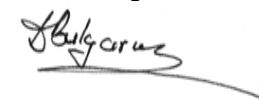
Nr.	Domeniul activităților	Tipul activităților		Categorii și restricții	Subcategorii		Indicatori kpi	Autoevaluare			
								Întreaga activitate		După ultima promovare (2008-2015)	
								Nr.	Punctaj	Nr.	Punctaj
1.	A.1. Activitatea didactică / profesională	A.1.1	Cărți și capitole de carte	Minim: 3	A.1.1.1	Prim autor: minim 1	3	18	54	14	42
								● Unic autor: 3 ● Prim autor: 8		● Unic autor: 2 ● Prim autor: 5	
2	A.2. Activitatea de cercetare	A.2.1	Articole în reviste cotate ISI Thomson Reuters	● Minim: 35 articole. ● În reviste internaționale: minim 23 articole	● Factorul de impact cumulat* al articolelor publicate: minim 40. ● Autor principal / corespondent la minim 10 articole		1	47	47	42	42
				● În reviste internaționale: 23 ● Prim autor: 9 articole ● Autor corespondent: 2 articole ● Factor de impact cumulat: 58,211	● În reviste internaționale: 18 ● Prim autor: 9 articole ● Autor corespondent: 2 articole ● Factor de impact cumulat: 54,276						
		A.2.2	Brevete de invenție și inovație	Brevete**)***))	A.2.3.1	**) Internaționale	10	-	-	-	-
					A.2.3.2	***)) Naționale	1	-	-	-	-
			Granturi și proiecte câștigate prin competiție	A.2.3.1. Director / responsabil: minim 1	A.2.4.1.1	Naționale 2 granturi naționale / internaționale, câștigate prin competiție, ca director de proiect (standard UAIC)	4	3	12	2	8
				A.2.3.2. Membru în echipe: minim 1	A.2.4.2.1	Naționale Un grant internațional, câștigat prin competiție, ca membru / director de proiect (se iau în considerare și proiectele bilaterale) (standard UAIC)	2	6	12	2	4
								● Director granturi naționale câștigate prin competiție: 3 ● Director granturi naționale câștigate prin competiție: 2		● Membru în echipe granturi naționale câștigate prin competiție: 6	
3	A.3. Recunoașterea și impactul activității	A.3.1	Citări în reviste ISI și BDI	Minim 100 citări	A.3.1.1	Citări în reviste ISI	0,5	269	134,5	268	134
					A.3.1.2	Citări în reviste BDI	0,5	65	32,50	64	32

Punctaj realizat de la ultima promovare (2008 – 2015): 262 puncte.

\*)Factorul de impact cumulat reprezintă suma factorilor de impact corespunzători revistelor în care au fost publicate articolele. \*\*)Un articol ISI publicat într-o revistă internațională poate fi echivalat cu un Brevet internațional obținut în Germania, Marea Britanie, Franța, SUA, Canada, Japonia, Coreea de Sud, Australia. \*\*\*) Un articol ISI publicat într-o revistă românească poate fi echivalat cu un Brevet național.

10. 06. 2015

Conf. univ. dr. Bulgariu Dumitru



# ACTIVITATE ȘTIINȚIFICĂ ȘI DE CERCETARE

## COMISIA CHIMIE

în conformitate cu standardele minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior prevăzute de Ordinul nr. 6560 / 2012 și standardele minimale pe domenii ale Universității „Alexandru Ioan Cuza” din Iași

### A.1. ACTIVITATEA DIDACTICĂ ȘI PROFESIONALĂ

#### A.1-1. Cărți și capitole de carte

<b>A.1-1.1. Cărți universitare</b> Total cărți universitare – întreaga activitate: <b>4</b> . Unic autor: <b>2</b> . Prim autor: <b>2</b> .
[1] <b>Bulgariu D.</b> , Gavriloiu T. (1996). Practicum de chimie. Partea I: Analiza calitativă anorganică. Editura Universității „Alexandru Ioan Cuza” din Iași (318 p. Comanda nr. 189 / 1996 Litografia UAIC. web: <a href="http://www.editura.uaic.ro/">http://www.editura.uaic.ro/</a> ).
[2] <b>Bulgariu D.</b> (2014). Metode instrumentale de analiză. Principii (vol. I). Editura Universității „Alexandru Ioan Cuza” din Iași (314 p. ISBN general: General: 978-606-714-049-1 / ISBN volumul I: 978-606-714-050-7. web: <a href="http://www.editura.uaic.ro/">http://www.editura.uaic.ro/</a> ).
[3] <b>Bulgariu D.</b> , Bulgariu L. (2014). Metode instrumentale de analiză. Principii (vol. II). Editura Universității „Alexandru Ioan Cuza” din Iași (260 p. ISBN general: General: 978-606-714-049-1 / ISBN volumul II: 978-606-714-093-4. web: <a href="http://www.editura.uaic.ro/">http://www.editura.uaic.ro/</a> ).
[4] <b>Bulgariu D.</b> (2014). Metode instrumentale de analiză. Aplicații (Vol. III). Editura Universității „Alexandru Ioan Cuza” din Iași (212 p. ISBN general: General: 978-606-714-049-1 / ISBN volumul III: 978-606-714-094-1. web: <a href="http://www.editura.uaic.ro/">http://www.editura.uaic.ro/</a> ).
<b>A.1-1.2. Monografii publicate în edituri naționale</b> Total monografii – întreaga activitate: <b>6</b> . Unic autor: <b>1</b> . Prim autor: <b>3</b> . Colaborator: <b>2</b> . Coordonator volum: <b>2</b> .
[1] <b>Bulgariu D.</b> (2005). Procesul de zeolitizare a tufurilor vulcanice din România. Vol. I – Aspecte geochimice. Editura Universității „Alexandru Ioan Cuza” din Iași (428 p. ISBN general: 973-703-064-8; ISBN volumul I: 973-703-065-4. web: <a href="http://www.editura.uaic.ro/">http://www.editura.uaic.ro/</a> ).
[2] <b>Bulgariu D.</b> , Bulgariu L. (2005). Procesul de zeolitizare a tufurilor vulcanice din România. Vol. II – Modelarea teoretică și experimentală a procesului de zeolitizare. Editura Universității „Alexandru Ioan Cuza” din Iași (308 p. ISBN general: 973-703-064-8; ISBN volumul II: 973-703-066-4. web: <a href="http://www.editura.uaic.ro/">http://www.editura.uaic.ro/</a> ).
[3] <b>Bulgariu D.</b> , Rusu C (coord.) (2005). Metode instrumentale de studiu în geostiințe. Vol. I – Prelevarea probelor. Sampling. Casa Editorială Demiurg, Iași (308 p. ISBN general: 973-7603-23-0; ISBN volumul II: 973-7603-24-9. web: <a href="http://www.libriademurg.com/">http://www.libriademurg.com/</a> ).
[4] Munteanu N., Birescu L., <b>Bulgariu D.</b> , Hura C., Stoian L., Stoleru V. (2010). Monografia producției legumicole ecologice din NE României: posibilități și riscuri. Editura „Ion Ionescu de la Brad” USAMV Iași (240 p. ISBN: 978-973-147-013-9. web: <a href="http://www.uaiasi.ro/10_editura">http://www.uaiasi.ro/10_editura</a> ).
[5] Munteanu N., Birescu L., <b>Bulgariu D.</b> , Călin M., Hura C., Stoleru V. (2011). Flux tehnologic optimizat în legumicultura ecologică pentru siguranța alimentară și sustenabilitate. Editura „Ion Ionescu de la Brad” USAMV Iași (256 p. ISBN: 978-973-147-095-5. web: <a href="http://www.uaiasi.ro/10_editura">http://www.uaiasi.ro/10_editura</a> ).
[6] <b>Bulgariu D.</b> (coordonator), Rusu C., Bulgariu L., Filipov F. (2014). Introducere în pedogeochimia analitică – vol. I. Editura Universității „Alexandru Ioan Cuza” din Iași (255 p. ISBN general: 978-606-714-049-1; ISBN volumul I: 978-606-714-050-7. web: <a href="http://www.editura.uaic.ro/">http://www.editura.uaic.ro/</a> ).
<b>A.1-1.3. Capitole de carte publicate în monografii internaționale</b> Total capitole de carte publicate în monografii internaționale – întreaga activitate: <b>4</b> . Prim autor: <b>1</b> . Colaborator: <b>3</b> .
[1] <b>Bulgariu D.</b> , Rusu C., Bulgariu L. (2014). Current best practices for inorganic analysis (Chapter 3; p. 33-49). In: Gavrilescu Maria and Bulgariu Laura (eds.) „Contaminated soils: a guide to sampling and analysis”, Future Science Ltd, Unitec House, London, N3 1QB, UK [17 p. ISBN: 978-1-909453-17-3 (print); ISBN: 978-1-909453-15-9 (epub); ISBN: 978-1-909453-16-6 (pdf). DOI: 10.4155/EBO.13.628. web: <a href="http://www.future-science.com/">www.future-science.com/</a> ].
[2] Bulgariu L., <b>Bulgariu D.</b> , Rusu C. (2015). Marine Algae Biomass for Removal of Heavy Metal Ions (Chapter 25; p. 611-648; part D/25.1-25.8). In: Se-Kwon Kim (ed.) „Handbook Marine Biotechnology”, Springer-Verlag, Berlin (38 p. ISBN: 978-3-642-53970-1; e-ISBN: 978-3-642-53971-8. web: <a href="http://www.springer.com/">www.springer.com/</a> ).
[3] Bulgariu L., <b>Bulgariu D.</b> (2015). Algae Wastes Biomass – a New Class of Low-Cost Material with Potential Applications in Environmental Engineering (chapter 33, p. 575-604). In: Se-Kwon Kim and Katarzyna Chojnacka Eds., Marine Algae Extracts: Processes, Products, and Applications, vol. 2, First Edition. Wiley-VCH Verlag GmbH & Co. KGaA (28 p. ISBN: Print: 9783527337088; Online: 9783527679577; DOI: 10.1002/9783527679577.ch33. web: <a href="http://eu.wiley.com">http://eu.wiley.com</a> )
[4] Bulgariu L., <b>Bulgariu D.</b> (2015). Biodiesel Production from Marine Macroalgae (Chapter 21; p. 456 – 484). In: “Marine Bioenergy: Trends and Developments” (Lee Kim Ed.). CRC Press , Taylor & Francis Group, Boca Raton, FL (28 p. ISBN: 978-1482222371-cat.#K22281. Cat. No. K22281_c021.indd; web: <a href="http://www.crcpress.com/">www.crcpress.com/</a> ).
<b>A.1-1.4. Capitole de carte publicate în monografii naționale</b> Total capitole de carte publicate în monografii naționale – întreaga activitate: <b>4</b> . Prim autor: <b>2</b> . Colaborator: <b>2</b> .
[1] <b>Bulgariu D.</b> (editor asociat) (2008). Interpretarea statistică a analizelor de control. În: Iancu O.G., Buzgar N. (eds). „Atlasul geochemic al metalelor grele din solurile municipiului Iași și împrejurimi”, Editura Universității „Alexandru Ioan Cuza” din Iași (4 p. ISBN: 978-973-703-329-1; web: <a href="http://www.editura.uaic.ro/">http://www.editura.uaic.ro/</a> ).
[2] Bulgariu L., <b>Bulgariu D.</b> (2013). Removal of toxic heavy metals from aqueous media by sorption on low-cost materials (Chapter 8; p. 153-188). În: Carmen Zaharia (ed.) „Current topics, concepts and research priorities in environmental chemistry (II)”, Editura „Alexandru Ioan Cuza” din Iași (35 p. ISBN: General: 978-973-703-797-8. Volumul II: 978-973-703-939-2; web: <a href="http://www.editura.uaic.ro/">http://www.editura.uaic.ro/</a> ).
[3] Bulgariu L., <b>Bulgariu D.</b> (2014). Simple chemical treatments used to improve the adsorptive characteristics of low-cost materials for environmental applications. (Chapter 2; p. 29-46). În: Carmen Zaharia (ed.) „Current topics, concepts and research priorities in environmental chemistry (III)”, Editura „Alexandru Ioan Cuza”, din Iași (18 p. ISBN: General: 978-973-703-797-8. Volumul III: 978-606-714-062-0; web: <a href="http://www.editura.uaic.ro/">http://www.editura.uaic.ro/</a> ).
[4] <b>Bulgariu D.</b> , Rusu C., Balaban S.I. (2014). Considerații privind valorificarea resurselor minerale utile și prezența haldelor de steril în valea superioară a Moldovei (p. 32-50). In: Proceeding „Soil Forming Factors and Processes from the Temperate Zone” (Editor: C. Rusu). Editura Universității „Alexandru Ioan Cuza” din Iași (20 p.).

<b>Total cărți și capitole de carte publicate pe întreaga activitate: 18.</b> Unic autor: 3. Prim autor: 8. Colaborator: 7. Coordonator volum: 2.
<b>Total cărți și capitole de carte publicate de la ultima promovare (2008-2015): 14.</b> Unic autor: 2. Prim autor: 5. Colaborator: 7. Coordonator volum: 1.

## A.2. ACTIVITATEA DE CERCETARE

### A.2-1. Articole publicate în reviste ISI Thomson Reuters

A.2-1.1. Articole publicate în reviste ISI Thomson Reuters internaționale	
Total articole publicate: 23. Prim autor: 4. Autor corespondent: 1. Factor de impact cumulat: 40,075.	
Specificații articole	Factor de impact
[1] Bulgariu L., Bulgariu D., Sârghie I. (2005). Spectrophotometric Determination of Cadmium (II) Using p,p'-Dinitro-Sym-Diphenylcarbrazid in Aqueous Solutions. <b>Analitical Letters</b> , vol. 38, nr. 14, p. 2365-2375 (ISSN: 0003-2719; web: <a href="http://www.tandfonline.com">http://www.tandfonline.com</a> ).	1,036 (2005).
[2] Bulgariu L., Bulgariu D. (2006). The Hg(II) Extraction in PEG-Based Aqueous Two-Phase System In Presence of Halide Ions. I. The Liquid Phases Analysis. <b>Central European Journal of Chemistry</b> , 4(2), p. 246-257 (ISSN: 1895-1066; web: <a href="http://versita.com/cejc/">http://versita.com/cejc/</a> ).	0,561 (2006)
[3] Bulgariu L., Bulgariu D., Sârghie I., Măluțan Th. (2007). Cd(II) Extraction in PEG-based two-phase aqueous systems in the presence of iodide ions. Analysis of PEG-rich solid phases. <b>Central European Journal of Chemistry</b> , 5 (1), p. 291-302 (ISSN: 1895-1066. web: <a href="http://versita.com/cejc/">http://versita.com/cejc/</a> ).	0,754 (2007)
[4] Bulgariu L., Bulgariu D. (2007). The extraction of Zn(II) in aqueous PEG(1550) – (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> two-phase systems using Cl <sup>-</sup> ions as extracting agent. <b>Journal of Serbian Chemical Society</b> , 72(3), p. 289-297 (ISSN: 0352-5139; web: <a href="http://www.shd.org.rs/JSCS/">http://www.shd.org.rs/JSCS/</a> ).	0,536 (2007)
[5] Bulgariu L., Bulgariu D. (2007). The partition of Zn(II) using halide ions extractants in aqueous PEG-based two-phase systems. <b>Separation Science &amp; Technology</b> , 42(5), p. 1093-1106 (ISSN: 0149-6395; web: <a href="http://www.tandfonline.com/">http://www.tandfonline.com/</a> ).	1,048 (2007)
[6] Bulgariu L., Bulgariu D. (2008). Extraction of metal ions in aqueous polyethylene glycol-inorganic salt two-phase systems in the presence of inorganic extractants: Correlation between extraction behaviour and stability constants of extracted species. <b>Journal of Chromatography A</b> , 1196-1197 (1-2), p. 117-124 (web: <a href="http://www.journals.elsevier.com/">http://www.journals.elsevier.com/</a> ; ISSN: 0021-9673;).	3,756 (2008)
[7] Bulgariu L., Bulgariu D. (2008). Cd(II) extraction in PEG (1550)-(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> aqueous two-phase systems using halide extractants. <b>Journal of the Serbian Chemical Society</b> 73(3), p. 341-350 (ISSN: 0352-5139; web: <a href="http://www.shd.org.rs/JSCS/">http://www.shd.org.rs/JSCS/</a> ).	0,611 (2008)
[8] Bulgariu L., Rățoi M., Bulgariu D., Macoveanu M. (2009). Adsorption potential of mercury(II) from aqueous solutions onto Romanian peat moss. <b>Journal of Environmental Science and Health, Part A-Toxic Hazardous Substances &amp; Environmental Engineering</b> , 44(7), p. 700-706 (ISSN: 1093-4529; web: <a href="http://www.tandfonline.com/">http://www.tandfonline.com/</a> ).	1,363 (2009).
[9] Bulgariu L., Bulgariu D., Măluțan Th., Macoveanu M. (2009). Adsorption of Lead(II) Ions from Aqueous Solution onto Lignin. <b>Adsorption Science &amp; Technology</b> , 27(4), p. 435-445 (web: <a href="http://multi-science.metapress.com/">http://multi-science.metapress.com/</a> ; ISSN: 0263-6774).	0,344 (2009).
[10] Căliman F.A., Apostol C., Bulgariu D., Bulgariu L., Gavrilăscu M. (2009). Sorption of Acid Yellow 23 from aqueous solutions onto soil. <b>Afinidad</b> (Spania) 66 (544), p. 465-473 (web: <a href="http://www.aiqs.es/castellano/afinidad.asp">http://www.aiqs.es/castellano/afinidad.asp</a> ; ISSN: 0001-9704).	0,190 (2009)
[11] Bulgariu L., Bulgariu D., Macoveanu M. (2011). Adsorptive Performances of Alkaline Treated Peat for Heavy Metal Removal. <b>Separation Science &amp; Technology</b> , 46 (6), p. 1023-1033 (ISSN: 0149-6395; web: <a href="http://www.tandfonline.com/">http://www.tandfonline.com</a> ).	1,088 (2011)
[12] Smaranda C., Gavrilăscu M., Bulgariu D. (2011). Studies on Sorption of Congo Red from Aqueous Solution onto Soil. <b>International Journal of Environmental Research</b> , 5(1), p. 177-188 (ISSN: 1735-6865; web: <a href="http://ijer.ut.ac.ir/">http://ijer.ut.ac.ir/</a> ).	1,462 (2011)
[13] Bulgariu L., Bulgariu D. (2011). Extraction of gold (III) from chloride media in aqueous polyethylene glycol – based two-phase system. <b>Separation &amp; Purification Technology</b> , 80(3), p. 620 – 625 (web: <a href="http://www.journals.elsevier.com/">http://www.journals.elsevier.com/</a> ; ISSN: 1383-5866).	2,921 (2011)
[14] Bulgariu L., Bulgariu D., Macoveanu M. (2012). Characteristics of sorption of uncomplexed and complexed Pb(II) from aqueous solutions onto peat. <b>Chemical Papers</b> , 66 (4), p. 239 – 247 (ISSN: 0366-6352; web: <a href="http://www.chempap.org/">http://www.chempap.org/</a> ).	0,879 (2012)
[15] Bulgariu D., Bulgariu L. (2012). Equilibrium and kinetics studies of heavy metal ions biosorption on green algae waste biomass. <b>Bioresource Technology</b> , 103 (1), p. 489-493 (ISSN: 0960-8524; web: <a href="http://www.journals.elsevier.com/">http://www.journals.elsevier.com</a> ).	4,750 (2012)
[16] Bulgariu L., Bulgariu D. (2012). Direct determination of nitrate in small volumes of natural surface waters uses a simple spectrophotometric method. <b>Reviews in Analytical Chemistry</b> , 31, 3-4, p. 201–207 (ISSN: 0793-0135; web: <a href="http://www.degruyter.com/view/j/revac">http://www.degruyter.com/view/j/revac</a> ).	0,436 (2012)
[17] Bulgariu D., Bulgariu L. (2013). Sorption of Pb(II) onto a mixture of algae waste biomass and anion exchanger resin in a packed-bed column. <b>Bioresource Technology</b> , 129, p. 374 – 380 (web: <a href="http://www.journals.elsevier.com/">http://www.journals.elsevier.com</a> ; ISSN: 0960-8524;).	5,039 (2013)
[18] Bulgariu L., Bulgariu D. (2013). Selective extraction of Hg(II), Cd(II) and Zn(II) ions from aqueous media by a green chemistry procedure using aqueous two-phase systems. <b>Separation and Purification Technology</b> , 118, p. 209-216 (ISSN: 1383-5866; web: <a href="http://www.journals.elsevier.com/">http://www.journals.elsevier.com/</a> ).	3,065 (2013)
[19] Balaban S.I., Iancu O.G., Dill H.G., Bulgariu D., Prundeanu I.M. (2013). Evolution of sulphide-bearing tailings from the Lesu Ursului mining sector of the Eastern Carpathians, Romania. <b>NEUES JAHRBUCH FÜR MINERALOGIE-ABHANDLUNGEN: Journal of Mineralogy and Geochemistry</b> , 190 (3) p. 265-279 (ISSN: 0077-7757; web: <a href="http://www.schweizerbart.de/">http://www.schweizerbart.de/</a> ).	0,875 (2013)
[20] Bulgariu L., Balan C., Bulgariu D., Macoveanu M. (2014). Valorisation of romanian peat for the removal of some heavy metals from aqueous media. <b>Desalinization and Water Treatment</b> , 52, 31-33, p. 5891-5899 (ISSN: 1944-3994; web: <a href="http://www.tandfonline.com">http://www.tandfonline.com</a> ).	0,987 (2013)

[21] Harja M., Buema G., Bulgariu L., <b>Bulgariu D.*</b> , Sutiman D.M., Ciobanu G. (2015). Removal of cadmium(II) from aqueous solution by adsorption onto modified algae and ash. <b>Korean J. Chem. Eng.</b> – apărută on lines (*Autor corespondent). DOI: 10.1007/s11814-015-0016-z	1,241 (2013)
[22] <b>Bulgariu D.</b> , Bulgariu L. (2015). Sustainable utilization of mustard waste biomass in heavy metals removal processes from aqueous media: kinetic, equilibrium and thermodynamic batch studies. <b>PLOS ONE</b> (in press).	3,543 (2013).
[23] <b>Bulgariu D.</b> , Bulgariu L. (2015). Potential use of alkaline treated algae waste biomass as sustainable biosorbent for clean recovery of Cd(II) from aqueous media: batch and column studies. <b>Journal of Cleaner Production</b> (in press). doi: 10.1016/j.jclepro.2015.05.124.	3,590 (2013).

#### A.2-1.2. Articole publicate în reviste ISI Thomson Reuters naționale

Total articole publicate: 24. Prim autor: 5. Autor corespondent: 1. Factor de impact cumulat: 18,136.

Specificații articole	Factor de impact
[1] <b>Bulgariu D.</b> , Bulgariu L., Juravle D., Condorachi D. (2008). Separation of uranium(VI) from soils by extraction in aqueous PEG (1550)-Na <sub>2</sub> SO <sub>4</sub> -Na <sub>2</sub> CO <sub>3</sub> two-phase systems. I. Preliminary results. <b>Environmental Engineering and Management Journal</b> 7(4), p. 389-395 (ISSN: 1582-9596; web: <a href="http://omicron.ch.tuiasi.ro/EEMJ/">http://omicron.ch.tuiasi.ro/EEMJ/</a> ).	0,000 (2008)
[2] <b>Bulgariu D.</b> , Juravle D., Bulgariu L., Macoveanu M., Rusu C. (2008). Distribution and migration of chrome in urban soils - Case study: Iasi City (industrial zone). <b>Environmental Engineering and Management Journal</b> , 7 (3), p. 277-288 (ISSN: 1582-9596; web: <a href="http://omicron.ch.tuiasi.ro/EEMJ/">http://omicron.ch.tuiasi.ro/EEMJ/</a> ).	0,000 (2008)
[3] Robu B., Bulgariu L., <b>Bulgariu D.</b> , Macoveanu M. (2008). Quantification of impact and risk induced in surface water by heavy metals: Case study - Bahlui River Iasi. <b>Environmental Engineering and Management Journal</b> 7 (3), p. 263-267 (ISSN: 1582-9596; web: <a href="http://omicron.ch.tuiasi.ro/EEMJ/">http://omicron.ch.tuiasi.ro/EEMJ/</a> ).	0,000 (2008)
[4] Bulgariu L., <b>Bulgariu D.</b> (2008). The influence of phase-forming salt on Cd(II) extraction in aqueous PEG-based two-phase systems. <b>Revue Roumaine de Chimie</b> , 53 (2), p. 141-147 (ISSN: 0035-3930; web: <a href="http://revroum.getion.ro/">http://revroum.getion.ro/</a> ).	0,284 (2008)
[5] Bulgariu L., Rățoi M., <b>Bulgariu D.</b> , Macoveanu M. (2008). Equilibrium study of Pb(II) and Hg(II) sorption from aqueous solutions by moss peat. <b>Environmental Engineering and Management Journal</b> 7(5), p. 511-516 (ISSN: 1582-9596; web: <a href="http://omicron.ch.tuiasi.ro/EEMJ/">http://omicron.ch.tuiasi.ro/EEMJ/</a> ).	0,000 (2008)
[6] Bulgariu L., <b>Bulgariu D.</b> (2009). Use aqueous PEG-inorganic salt two-phase systems for Bi(III) extraction in the presence of inorganic extractants. <b>Studia Universitatis Babes-Bolyai Chimia</b> 54(2), p. 273-284 (ISSN: 1224-7154; web: <a href="http://chem.ubbcluj.ro/~studiachemia/">http://chem.ubbcluj.ro/~studiachemia/</a> ).	0,086 (2009)
[7] Bulgariu L., Rățoi M., <b>Bulgariu D.</b> , Macoveanu M. (2009). The sorption of lead(II) ions from aqueous solutions on peat: kinetics study. <b>Environmental Engineering and Management Journal</b> , 8(2), p. 289-295 (web: <a href="http://omicron.ch.tuiasi.ro/EEMJ/">http://omicron.ch.tuiasi.ro/EEMJ/</a> ; ISSN: 1582-9596).	0,885 (2009).
[8] Pavel V.L., <b>Bulgariu D.</b> , Bulgariu L., Hlihor R.M., Gavrilescu M. (2009). Studies on sorption and transport processes of cadmium in soils. <b>Environmental Engineering and Management Journal</b> , 8(6), p. 1315-1320 (ISSN: 1582-9596; web: <a href="http://omicron.ch.tuiasi.ro/EEMJ/">http://omicron.ch.tuiasi.ro/EEMJ/</a> ).	0,885 (2009)
[9] Căliman F.A., Apostol L.C., <b>Bulgariu D.</b> , Bulgariu L., Gavrilescu M. (2009). Study regarding the sorption of erythrosine from aqueous solution onto soil. <b>Environmental Engineering and Management Journal</b> , 8(6), p. 1339-1346 (ISSN: 1582-9596; web: <a href="http://omicron.ch.tuiasi.ro/EEMJ/">http://omicron.ch.tuiasi.ro/EEMJ/</a> ).	0,885 (2009)
[10] Căliman F.A., Apostol L.C., <b>Bulgariu D.</b> , Bulgariu L., Gavrilescu M. (2009). Influence of soil particle size onto sorption of tetracycline from aqueous solutions. <b>Environmental Engineering and Management Journal</b> , 8(5), p. 1081-1087 (ISSN: 1582-9596; web: <a href="http://omicron.ch.tuiasi.ro/EEMJ/">http://omicron.ch.tuiasi.ro/EEMJ/</a> ).	0,885 (2009)
[11] Smaranda C., <b>Bulgariu D.</b> , Gavrilescu M. (2009). An investigation of the sorption of Acid Orange 7 from aqueous solution onto soil. <b>Environmental Engineering and Management Journal</b> , 8(6), p. 1391-1402 (ISSN: 1582-9596; web: <a href="http://omicron.ch.tuiasi.ro/EEMJ/">http://omicron.ch.tuiasi.ro/EEMJ/</a> ).	0,885 (2009)
[12] Bulgariu L., <b>Bulgariu D.</b> , Macoveanu M. (2010). Kinetics and equilibrium study of nickel (II) removal by use peat moss. <b>Environmental Engineering and Management Journal</b> , Vol. 9, No. 5, p. 667-674 (web: <a href="http://omicron.ch.tuiasi.ro/EEMJ/">http://omicron.ch.tuiasi.ro/EEMJ/</a> ; ISSN: 1582-9596).	1,435 (2010)
[13] Smaranda C., <b>Bulgariu D.</b> , Gavrilescu M. (2010). Equilibrium and kinetic studies of acid dye sorption onto soils from Iasi area. <b>Environmental Engineering and Management Journal</b> 9(1), p. 57-66 (web: <a href="http://omicron.ch.tuiasi.ro/EEMJ/">http://omicron.ch.tuiasi.ro/EEMJ/</a> ; ISSN: 1582-9596).	1,435 (2010)
[14] Pavel V.L., <b>Bulgariu D.</b> , Bulgariu L., Hlihor R.M., Gavrilescu M. (2010). Analysis of factors determining the behaviour of chromium in some Romanian soils. <b>Environmental Engineering and Management Journal</b> 9(1), p. 89-94 (web: <a href="http://omicron.ch.tuiasi.ro/EEMJ/">http://omicron.ch.tuiasi.ro/EEMJ/</a> ; ISSN: 1582-9596).	1,435 (2010)
[15] Pavel V.L., <b>Bulgariu D.</b> , Bulgariu L., Hlihor R.M., Gavrilescu M. (2011). Study of cadmium sorption on some Romanian soils. <b>Environmental Engineering and Management Journal</b> 10(3), p. 367-373 (web: <a href="http://omicron.ch.tuiasi.ro/EEMJ/">http://omicron.ch.tuiasi.ro/EEMJ/</a> ; ISSN: 1582-9596).	1,004 (2011)
[16] Balaban S.I., Iancu O.G., <b>Bulgariu D.</b> (2011). The geochemical distribution of heavy metals for some mine tailings from the Fundu Moldovei Area, Romania. <b>Carpathian Journal of Earth and Environmental Sciences</b> , 6 (2), p. 279-288 (ISSN: 1842-4090; web: <a href="http://www.ubm.ro/sites/CJEEES/">http://www.ubm.ro/sites/CJEEES/</a> ).	1,450 (2011)
[17] Pavel L.V., Diaconu M., <b>Bulgariu D.</b> , Stătescu F., Gavrilescu M. (2012). Evaluation of heavy metals toxicity on two microbial strains isolated from soil: Azotobacter sp. AND Pichia sp. <b>Environmental Engineering and Management Journal</b> , 11(1), p. 165–168 (web: <a href="http://omicron.ch.tuiasi.ro/EEMJ/">http://omicron.ch.tuiasi.ro/EEMJ/</a> ; ISSN: 1582-9596).	1,117 (2012)
[18] Bulgariu L., Hlihor R.M., <b>Bulgariu D.</b> , Gavrilescu M. (2012). Sorptive Removal of Cadmium (II) Ions from Aqueous Solution by Mustard Biomass. <b>Environmental Engineering and Management Journal</b> , 11 (11), p. 1969 – 1976 (web: <a href="http://omicron.ch.tuiasi.ro/EEMJ/">http://omicron.ch.tuiasi.ro/EEMJ/</a> ; ISSN: 1582-9596).	1,117 (2012)
[19] Bulgariu L., Lupea M., <b>Bulgariu D.</b> , Rusu C., Macoveanu M. (2013). Equilibrium study of Pb(II) and Cd(II) biosorption from	1,258 (2013)



aqueous solution on marine green algae biomass. <b>Environmental Engineering and Management Journal</b> , 12(1), p. 183-190 (web: <a href="http://omicron.ch.tuiasi.ro/EEMJ/">http://omicron.ch.tuiasi.ro/EEMJ/</a> ; ISSN: 1582-9596).	
[20] <b>Bulgariu D.</b> , Rusu C., Bulgariu L. (2013). Adsorptive characteristics of histosol modified by simple chemical treatments for Ni(II) removal from aqueous media. <b>Studia Universitatis Babeş-Bolyai, s. Chemia</b> , 58, 4, p. 121-136 (ISSN: 1224-7154; web: <a href="http://chem.ubbcluj.ro/~studiachemia/">http://chem.ubbcluj.ro/~studiachemia/</a> ).	0,136 (2013)
[21] Ciortescu C., Iancu G.O., Kryza R., <b>Bulgariu D.</b> (2014). Mineralogy and distribution of the detrital heavy minerals in the bistrița aurie and dorna rivers alluvial sediments. <b>Carpathian Journal of Earth and Environmental Sciences</b> . 9(3), p.177-186 (ISSN: 1842-4090; web: <a href="http://www.ubm.ro/sites/CJEES/">http://www.ubm.ro/sites/CJEES/</a> ).	0,727 (2013)
[22] Axinte O., Bădescu I.S., Stroe C., Neacșu V., Bulgariu L., <b>Bulgariu D.</b> (2015). Evolution of rophic parameters from Amara Lake. <b>Environmental Engineering and Management Journal</b> , Iași, 14(3), p. 559-565 (ISSN: 1582-9596; web: <a href="http://omicron.ch.tuiasi.ro/EEMJ/">http://omicron.ch.tuiasi.ro/EEMJ/</a> ) (*Autor corespondent)	1,258 (2013)
[23] <b>Bulgariu D.</b> , Rusu G., Măluțan Th., Bulgariu L. (2015). Kinetics study of lead(II) removal from aqueous solution onto lignin-based materials. <b>Cellulose Chemistry and Technology</b> (acceptată spre publicare).	0,833 (2013)
[24] <b>Bulgariu D.</b> , Juravle D.T., Bulgariu L. (2015). Removal of Zn(II) ions from aqueous solutions by adsorption on mustard huskd. <b>Studia Universitatis Babeş-Bolyai, s. Chemia</b> (acceptată spre publicare).	0,136 (2013)
<b>Total articole publicate în reviste ISI Thomson Reuters în întreaga activitate: 47</b>	
Prim autor: 9. Autor corespondent: 2. Factor de impact cumulat: 58,211.	
<b>Total articole publicate în reviste ISI Thomson Reuters de la ultima promovare (2008-2015): 42</b>	
Prim autor: 9. Autor corespondent: 2. Factor de impact cumulat: 54,276.	

## A.2-2. Granturi și proiecte de cercetare câștigate prin competiție

<b>A.2-2.1. Director / responsabil de proiecte / granturi naționale câștigate prin competiție</b>	
[1] Grant AT 252 / 2002-2003 și 27 / 2003-2004 finanțat de CNCIS, cu tema: „Studiul geochimic și modelarea experimentală a procesului de zeolitizare din tufurilor vulcanice din România”. Director de proiect: <b>șef lucr. dr. Bulgariu Dumitru</b> . Echipa proiectului: Laura Dragomir (asist.drd.; UTI); Oana Ștefan (masterand drd.; UAIC); Laura Alexandru (masterand; UAIC); Iuliana Ciobu (studentă; UAIC). Perioada de derulare: 2002-2004. Finanțare: 82.800.000 lei (la data încheierii contractului).	
[2] Contract PC PNCDI 51045 / 2007, cu tema: „Exploatarea durabilă a resurselor de sol din spații protejate prin implementarea tehnologiilor ecologice și dezvoltarea unor metode de monitorizare și analiză compatibile cu standardele uniunii europene”. Responsabil proiect Partener 1(UAIC): <b>conf. univ. dr. Bulgariu Dumitru</b> . Coordonator de proiect: <b>conf. dr. Feodor Filipov (U.Ș.A.M.V. Iași)</b> . Echipa proiectului: <b>prof. dr. Constantin Rusu (UAIC); conf. dr. Nicolae Buzgar (UAIC); conf. dr. Angela Lupașcu (UAIC); lect. dr. Cristian Secu (UAIC); lect. dr. Iuliana Breabăn (UAIC); șef lucr. dr. Laura Bulgariu (UTI); asist. drd. Oana Cristina Stan (UAIC); asist. drd. Dan Aștefanei (UAIC); ec. Elena Constantin (UAIC)</b> . Perioada de derulare: 2007-2010. Finanțare: 295.000 RON.	
[3] Grant PN II nr. 52141/ 2008, cu tema: „Fundamentarea siguranței alimentare într-un sistem ecologic de producere a legumelor proaspete, prin studiul principalilor factori de risc, în vederea sustenabilității producției”. Responsabil proiect Partener 3 (UAIC): <b>conf. dr. Bulgariu Dumitru</b> . Coordonator de proiect: <b>prof. univ. dr. Neculai Munteanu (U.Ș.A.M.V. Iași)</b> . Echipa proiectului: <b>prof. dr. Constantin Rusu (UAIC); conf. dr. Nicolae Buzgar (UAIC); asist. drd. Oana Cristina Stan (UAIC); asist. drd. Dan Aștefanei (UAIC); lab. Alina Răus (UAIC); stud. Sorin Ionuț Balaban (UAIC); stud. Andrei Naiman (UAIC); stud. Corina Zupcu (UAIC)</b> . Perioada de derulare: 2008-2011. Finanțare: 200.000 RON.	
<b>A.2-2.2. Membru în echipe proiecte / granturi internaționale câștigate prin competiție</b>	
[1] Grantul nr. 159, program RO-4096, tip T, finanțat de Banca Mondială, cu tema: „Petrografia, mineralogia și geochimia vulcanitelor laramice purtătoare de silicite din Culoarul Mureșului”. Director contract: <b>conf. dr. Ovidiu Gabriel Iancu (UAIC)</b> . Echipa proiectului: <b>conf. dr. Vasile Dan Stumbea (UAIC), șef lucrări drd. Dumitru Bulgariu (UAIC), drd. Adriana Ion (UAIC), stud. master Gabriela Strugariu (UAIC), stud. master Elena Monica Pâslaru (UAIC); drd. Dan Bucur-Grosu (UAIC), stud. Ciprian Ionuț Popa (UAIC)</b> . Perioada de derulare: 2000-2002. Finanțare: 16.000 USD (echivalentul a aproximativ 40.000 RON, la cursul de la data activității).	
[2] Grantul nr. 161 / 41139, program RO-4096, tip T, finanțat de Banca Mondială, cu tema: „Geochimia alterării mineralelor în condiții supergene. Dinamica globală a sistemelor mineral / soluție”. Director contract: <b>conf. dr. Dan Stumbea (UAIC)</b> . Echipa proiectului: <b>șef lucr. drd. Bulgariu Dumitru (UAIC), ing. geol. Camelia Drăgan, asist. drd. Laura Dragomir (UTI)</b> . Perioada de derulare: 2000-2002. Finanțare: 24.000 USD (echivalentul a aproximativ 61.000 RON, la cursul de la data activității).	
<b>A.2-3. Membru în echipe proiecte / granturi naționale câștigate prin competiție</b>	
[1] Grant tip A nr. 75 / 1996-1998 finanțat de CNCIS, cu tema: „Geochimia și metalogenia formațiunilor cristalofiliene din Carpații Orientali. Formațiuni precambiene. I. Litogrupurile de Rebra-Barnar și Rarău-Tulgheș-Hăghimaș”. Director contract: <b>conf. dr. Victor Șabliovschi (UAIC)</b> . Echipa proiectului: <b>prof. dr. Murariu T., șef lucrări drd. Iancu O.G., șef lucrări drd. Stumbea D.V., șef lucrări drd. Bulgariu D. (anul 1998), șef lucrări drd. Apostoe L., șef lucrări drd. Răileanu M., șef lucrări drd. Grinea D., șef lucrări drd. Drăgușanu C.</b> Perioada de derulare: 1996-1998. Finanțare: 110.000 RON.	
[2] Grant nr. 6146 / 2000 și 109 / 2001 finanțat de ANSTI, cu tema: „Potențialul de risc natural pe Valea Moldovei”. Director contract: <b>prof. dr. Irina Ungureanu (UAIC)</b> . Echipa proiectului: - . Perioada de derulare: 2000-2001. Finanțare: 60.000.000 lei.	
[3] Contract CEEX 756 / 2006-2008, cod MEC: 3391, cu tema: „Impactul riscului hidroclimatic asupra mediului în bazinul Bârladului”. Director contract: <b>prof. dr. Constantin Rusu (UAIC)</b> . Echipa proiectului: <b>asist. drd. Vasiliu I., asist. drd. Niacșu L., asist. drd. Stângă I.C., asist. drd. Ursu A., asist. drd. Sfică L., prep. univ. drd. Niculiță M., asist. univ. drd. Minea I., conf. dr. Bulgariu D. (anul 2008)</b> . Perioada de derulare: 2006-2008. Finanțare: 586.000 RON (anul 2008).	
[4] Contract CEEX 748 / 2006-2008, cod MEC 685, cu tema: „Atlasul geochimic al metalelor grele din solurile municipiului Iași și împrejurimi”.	

Director contract: Conf. dr. Ovidiu Gabriel Iancu (UAIC). Echipa proiectului (UAIC): Gandrabura Em., Lăcătușu R., Buzgar N., Stumbea D.V., **Bulgariu D.**, Secu C.V., Popa I., Apostoae L., Androne D.A-M., Șabliovschi V., Gavriloaiei T., Răileanu M., Aștefanei D., Pintilie M., Stan O.C., Buliga I., Marin Cl., Apostoae L., Răus A.M., Breabăn I.G., Juravle D.T., Roman A.N., Șerbănescu I., Iacob B., Curcă G.. Perioada de derulare: 2006-2008. Finanțare: 1.470.000 RON.

#### A.2-2.4. Director contracte de cercetare cu instituții publice și private

[1] Contract de cercetare nr. 6028 / 2004 finanțat de S.C. FERROLI ROMANIA SRL București, cu tema: „Studiul provenienței depunerilor solide din centralele termice cu elemente de fontă”.

Director de proiect: **șef lucr. dr. Bulgariu Dumitru**. Echipa proiectului: conf. dr. Victor Șabliovschi (UAIC); lect. dr. Daniela Șuteu (UTI); asist. drd. Laura Bulgariu (UTI). Perioada de derulare: 2004. Finanțare: 4.350.000 lei.

[2] Contract de cercetare nr. 20419 / 15. 11. 2007 finanțat de Universitatea de Științe Agricole și Medicină Veterinară „Ion Ionescu de la Brad” Iași, cu tema: „Efectuarea de analize fizico-chimice și studii de modelare experimentală a sistemelor polimer – soluție apoasă-sol”.

Director contract: șef lucr. dr. **Bulgariu Dumitru**. Echipa proiectului: conf. dr. Nicolae Buzgar (UAIC). Perioada de derulare: 2007. Finanțare: 1.500 RON.

#### A.2-2.5. Membru în echipe contracte de cercetare cu firme private

[1] Contract prestări servicii nr. 5913 / 2004 finanțat de S.C. Geomold S.A., cu tema: „Analize mineralogice și petrografice, pe secțiuni subțiri și pe șlifuri, analize micropaleontologice, analize spectrale, pe probe de sol și roci, precum și analize pentru Au și Ag prin AAS”.

Director contract: prof. dr. Mihai Brânzilă (UAIC). Echipa proiectului: **șef lucr. dr. Bulgariu Dumitru** (UAIC), **șef lucr. dr. Marcel Răileanu**. Perioada de derulare: 2004. Finanțare: 117.485,37 RON.

[2] Contract prestări servicii nr. 14651 / 2005, finanțat de S.C. Geomold S.A., cu tema: „Analize mineralogice și petrografice, pe secțiuni subțiri și șlifuri, analize micropaleontologice și macropaleontologice din foraje, analize spectrale (24 elemente) pe probe de roci, precum și analize pentru Au și Ag”.

Director contract: prof. dr. Mihai Brânzilă (UAIC). Echipa proiectului: **șef lucr. dr. Bulgariu Dumitru** (UAIC). Perioada de derulare: 2005. Finanțare: 18.158,40 RON.

[3] Contract de cercetare nr. 6173 / 2006 finanțat de Instalații Grup SRL Valea Lupului, Iași, cu tema: „Analiza petrografică, mineralogică și chimică a unor roci de construcții”.

Director contract: conf. dr. Petru Ștefan (UAIC). Echipa proiectului: **șef lucr. dr. Bulgariu Dumitru** (UAIC). Perioada de derulare: 2006. Finanțare: 1.500 RON.

[4] Contract prestări servicii nr. 21 / 2010 finanțat de S.C. Geomold S.A. Câmpulung Moldovenesc, cu tema: „Analize microfaunistice pe probe din șanțuri și puțuri, analize chimice pentru sulfuri, pentru Au și Ag”.

Director de contract: prof. univ. dr. Mihai Brânzilă (UAIC). Echipa proiectului: **conf. dr. Bulgariu Dumitru**. Perioada de derulare: 2010. Finanțare: 9.336,89 RON.

#### Total granturi, contracte și proiecte de cercetare pe întreaga activitate: 16

1. Director / responsabil de proiecte / granturi naționale câștigate prin competiție: 3

2. Membru în echipe proiecte / granturi internaționale câștigate prin competiție: 2

3. Membru în echipe proiecte / granturi naționale câștigate prin competiție: 4

4. Director contracte de cercetare cu instituții publice și private: 3

5. Membru în echipe contracte de cercetare cu firme private: 4

#### Total granturi, contracte și proiecte de cercetare de la ultima promovare (2008-2015): 5

1. Director / responsabil de proiecte / granturi naționale câștigate prin competiție: 2

2. Membru în echipe proiecte / granturi naționale câștigate prin competiție: 2

3. Membru în echipe contracte de cercetare cu firme private: 1

### A.3. RECUNOAȘTEREA ȘI IMPACTUL ACTIVITĂȚII

(Citări ale creațiilor de autor în reviste de specialitate ISI și BDI)

#### A.3-1. Citări în reviste web of science (ISI Thomson Reuters) internaționale

Total citări: 188 (articole citate: 27)

Lucrarea citată:

Bulgariu L., **Bulgariu D.**, Sârghie I. (2005). Spectrophotometric Determination of Cadmium (II) Using p,p'-Dinitro-Sym-Diphenylcarbazid in Aqueous Solutions. **Analytical Letters**, vol. 38, nr. 14, p. 2365-2375.

Citată în:

[1] Title: DIRECT AND DERIVATIVE SPECTROPHOTOMETRIC DETERMINATION OF CADMIUM (II) IN PRESENCE OF MICELLAR MEDIUM IN BIOLOGICAL MATERIALS AND IN ALLOY SAMPLES USING CINNAMALDEHYDE-4-HYDROXY BENZOYLHYDRAZONE (CMHBH). Authors: D. GOPALA KRISHNA, N. DEVANNA, K.B. CHANDRASEKHAR. Source: **International Journal of Pharma and Bio Sciences**, Vol.1 / Issue-3 / July-Sep.2010 / p. 1-6. ISSN 0975-6299. Available online at www.ijpbs.net. Impact factor: **0,470** (2010).

[2] Title: DIRECT AND DERIVATIVE SPECTROPHOTOMETRIC DETERMINATION OF CADMIUM (II) IN PRESENCE OF MICELLAR MEDIUM IN BIOLOGICAL MATERIALS AND IN ALLOY SAMPLES USING 2, 4-DIMETHOXY BENZALDEHYDE-4-HYDROXYBENZOYLHYDRAZONE (DMHBH). Authors: K. Ramakrishna Reddy, N. Devanna and K.B. Chandrasekhar. Source: **International Journal of Analytical and Bioanalytical Chemistry**, 2011; 1(3): 61-69; ISSN: 2231-5012. Available online at http://www.urpjournals.com. Impact factor: **0,000**.

Lucrarea citată:

Bulgariu L., **Bulgariu D.** (2006). The Hg(II) Extraction in PEG-Based Aqueous Two-Phase System In Presence of Halide Ions. I. The Liquid Phases Analysis. **Central European Journal of Chemistry**, 4(2), p. 246-257.

Citată în:

[1] Title: Dual nature of polyethylene glycol-based aqueous biphasic extraction chromatographic (ABEC) resins: Uptakes of perchlorate versus mercury(II). Author(s): Dilip Meghna; Griffin Scott T.; Spear Scott K.; et al. Source: **INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH** Volume: 47 Issue: 19 Pages: 7390-7396. ISSN: 0888-5885. DOI: 10.1021/ie800841j Published: OCT 1 2008. http://pubs.acs.org. Impact factor: **1,895** (2008).

[2] Title: Two and three-phase separation of phenol and o-nitrophenol: Correlation between phase behavior and partitioning behavior. Author(s): Yu Pinhua; Huang Kun; Liu Huizhou. Source: **COLLOIDS AND SURFACES A-PHYSICO-CHEMICAL AND ENGINEERING ASPECTS** Volume: 403 Pages: 15-24 DOI: 10.1016/j.colsurfa.2012.03.033 Published: JUN 5 2012. ISSN: 0927-7757. http://www.journals.elsevier.com. Impact factor: **2,236** (2011).

[3] Title: THE REMOVAL OF HEAVY METAL CATIONS FROM AN AQUEOUS SOLUTION USING IONIC LIQUIDS. Authors: Valdes Vergara, Maria Antonieta; Victorovna Lijanov, Irina; Victorovna Likhonova, Natalya; et al. Source: **CANADIAN JOURNAL OF CHEMICAL ENGINEERING**, Volume: 92, Issue: 11, Pages: 1875-1881, Published: NOV 2014. ISSN (on line): 1939-019X. <http://onlinelibrary.wiley.com/journal/>. Impact factor: 1.313 (2013).

#### Lucrarea citată:

Bulgariu L., Bulgariu D., Sârghe I., Măluțan Th. (2007). Cd(II) Extraction in PEG-based two-phase aqueous systems in the presence of iodide ions. Analysis of PEG-rich solid phases. **Central European Journal of Chemistry**, 5 (1), p. 291-302.

#### Citată în:

- [1] Title: Liquid-liquid extraction of metal ions without use of organic solvent. Author(s): Rodrigues Guilherme Dias; Hespanhol da Silva Maria do Carmo; Mendes da Silva Luis Henrique; et al. Source: **SEPARATION AND PURIFICATION TECHNOLOGY** Volume: 62 Issue: 3 Pages: 687-693. DOI: 10.1016/j.seppur.2008.03.032 Published: SEP 22 2008. ISSN: 1383-5866. web: <http://www.journals.elsevier.com/separation-and-purification-technology>. Impact factor: 2,503 (2008).
- [2] Title: Separation of Cd and Ni from Ni-Cd batteries by an environmentally safe methodology employing aqueous two-phase systems. Author(s): Lacerda Vania Goncalves; Mageste Aparecida Barbosa; Boggione Santos Igor Jose; et al. Source: **JOURNAL OF POWER SOURCES** Volume: 193 Issue: 2 Pages: 908-913. ISSN: 0378-7753. web: <http://www.journals.elsevier.com/journal-of-power-sources/>. DOI: 10.1016/j.jpowsour.2009.05.004. Published: SEP 5 2009. Impact factor: 3,792 (2009).
- [3] Title: Two and three-phase separation of phenol and o-nitrophenol: Correlation between phase behavior and partitioning behavior. Author(s): Yu Pinhua; Huang Kun; Liu Huizhou. Source: **COLLOIDS AND SURFACES A-PHYSICO-CHEMICAL AND ENGINEERING ASPECTS** Volume: 403 Pages: 15-24. Published: JUN 5 2012. web: <http://www.journals.elsevier.com/colloids-and-surfaces-a-physicochemical-and-engineering-aspects/>. ISSN: 0927-7757. Impact factor: 2,236 (2012).
- [4] Title: Enhancing separation of titanium and iron by three-liquid-phase extraction with 1,10-phenanthroline as additive. Author(s): Xie Keng; Huang Kun; Yang Liangrong; et al. Source: **JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY** Volume: 87 Issue: 7 Pages: 955-960 DOI: 10.1002/jctb.3705 Published: JUL 2012. ISSN: 1097-4660. web: <http://onlinelibrary.wiley.com/journal/10.1002/>. Impact factor: 2,168 (2012).
- [5] Title: Light, Middle, and Heavy Rare-Earth Group Separation: A New Approach via a Liquid-Liquid-Liquid Three-Phase System. Author(s): Sui, Na; Huang, Kun; Zhang, Chao; et al. Source: **INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH** Volume: 52 Issue: 17 Pages: 5997-6008 DOI: 10.1021/ie4002553 Published: MAY 1 2013. web: <http://pubs.acs.org/journal/iecred>. ISSN: 1088-5885. Factor de impact: 2,235 (2012).
- [6] Title: Removal of Al, Fe and Si from complex rare-earth leach solution: A three-liquid-phase partitioning approach. Authors: Sui, Na; Huang, Kun; Lin, Jieyuan; et al. Source: **SEPARATION AND PURIFICATION TECHNOLOGY**, Volume: 127, Pages: 97-106, Published: APR 30 2014. ISSN: 1383-5866. web: <http://www.journals.elsevier.com/separation-and-purification-technology>. Impact factor: 3,065 (2013).
- [7] Title: Determination of cadmium by ethanol-ammonium sulfate two-phase extraction combined with flame atomic absorption spectrometry. Authors: Li C.-X., Han J., Xu X.-H., Hou Y.-M. Source: **Yejin Fenxi / Metallurgical Analysis**, Volume 29, Issue 9, September 2009, Pages 60-65. ISSN: 1000-7571. web: <http://www.scimagojr.com/journalsearch.php?q=28929&tip=sid>. Impact factor: 0,000 (2009).

#### Lucrarea citată:

Bulgariu L., Bulgariu D. (2007). The extraction of Zn(II) in aqueous PEG(1550) – (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub> two-phase systems using Cl<sup>-</sup> ions as extracting agent. **Journal of Serbian Chemical Society**, 72(3), p. 289-297.

#### Citată în:

- [1] Title: Determination of cadmium by ethanol-ammonium sulfate two-phase extraction combined with flame atomic absorption spectrometry. Authors: Li C.-X., Han J., Xu X.-H., Hou Y.-M. Source: **Yejin Fenxi / Metallurgical Analysis** Volume 29, Issue 9, September 2009, Pages 60-65. ISSN: 1000-7571. web: <http://www.scimagojr.com/journalsearch.php?q=28929&tip=sid>. Impact factor: 0,000 (2009).
- [2] Title: Process development of antibiotic extraction (Review). Authors: Wang Y., Yan Y.-S., Hu S.-P., Han J. Source: **Chinese Journal of Antibiotics** Volume 34, Issue 11, 2009, Pages 641-649+S8. ISSN: 1001-8689. web: <http://www.scimagojr.com/journalsearch>. Impact factor: 0,000 (2009).
- [3] Title: Study on extraction separation of antimony(III) by n-propyl alcohol-potassium iodide-ammonium sulfate system in the presence of ascorbic acid. Authors: Guo P., Si X.-Z., Niu Y.-Y., Zhong L. Source: **Yejin Fenxi / Metallurgical Analysis** Volume 31, Issue 12, December 2011, 71-74. SSN: 1000-7571. web: <http://www.scimagojr.com/journalsearch.php?q=28929&tip=sid>. Impact factor: 0,000 (2011).

#### Lucrarea citată:

Bulgariu L., Bulgariu D. (2007). The partition of Zn(II) using halide ions extractants in aqueous PEG-based two-phase systems. **Separation Science & Technology**, 42(5), p. 1093-1106.

#### Citată în:

- [1] Title: Exploitation of a single interface flow system for on-line aqueous biphasic extraction. Author(s): Silvestre Cristina I. C.; Rodrigues Sofia; Santos Joao L. M.; et al. Source: **TALANTA** Volume: 81 Issue: 4-5 Pages: 1847-1851. DOI: 10.1016/j.talanta.2010.03.050 Published: JUN 15 2010. ISSN: 0039-9140. web: <http://www.journals.elsevier.com/talanta/>. Impact factor: 3.722 (2010).
- [2] Title: Block copolymer micellization induced microphase mass transfer: Partition of Pd(II), Pt(IV) and Rh(III) in three-liquid-phase systems of S201-EOP- $\text{Na}_2\text{SO}_4\text{-H}_2\text{O}$ . Author(s): Yu Pinhua; Huang Kun; Zhang Chao; et al. Source: **JOURNAL OF COLLOID AND INTERFACE SCIENCE** Volume: 362 Issue: 1 Pages: 228-234. DOI: 10.1016/j.jcis.2011.06.009. ISSN: 0021-9797. web: <http://www.journals.elsevier.com/>. Published: OCT 1 2011. Impact factor: 3.263 (2011).
- [3] Title: Enhancing separation of titanium and iron by three-liquid-phase extraction with 1,10-phenanthroline as additive. Author(s): Xie Keng; Huang Kun; Yang Liangrong; et al. Source: **JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY** Volume: 87 Issue: 7 Pages: 955-960. DOI: 10.1002/jctb.3705 Published: JUL 2012. web: [http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)1097-4660](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1097-4660). ISSN: 1097-4660. Impact factor: 2.168 (2012).
- [4] Title: Light, Middle, and Heavy Rare-Earth Group Separation: A New Approach via a Liquid-Liquid-Liquid Three-Phase System. Author(s): Sui, Na; Huang, Kun; Zhang, Chao; et al. Source: **INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH** Volume: 52 Issue: 17 Pages: 5997-6008 DOI: 10.1021/ie4002553 Published: MAY 1 2013. web: <http://pubs.acs.org/journal/iecred>. Impact factor: 2.206 (2013).
- [5] Title: Recent trends in metals extraction. Authors: Regel-Rosocka, M.; Alguacil, F. J. Source: **REVISTA DE METALURGIA** Volume: 49 Issue: 4 Pages: 292-315 Published: JUL-AUG 2013. web: <http://revistademetalurgia.revistas.csic.es/index.php/revistademetalurgia>. ISSN: 0034-8570. Impact factor: 0.241 (2012).

#### Lucrarea citată:

Bulgariu L., Bulgariu D. (2008). Extraction of metal ions in aqueous polyethylene glycol-inorganic salt two-phase systems in the presence of inorganic extractants: Correlation between extraction behaviour and stability constants of extracted species. **Journal of Chromatography A**, 1196-1197 (1-2), p. 117-124.

#### Citată în:

- [1] Title: Carbohydrates-tailored phase tunable systems composed of ionic liquids and water. Author(s): Chen Yuhaun; Wang Yige; Cheng Qingyan; et al. Source: **JOURNAL OF CHEMICAL THERMODYNAMICS** Volume: 41 Issue: 9. Pages: 1056-1059. DOI: 10.1016/j.jct.2009.04.008. Published: SEP 2009. ISSN: 0021-9614. web: <http://www.journals.elsevier.com/the-journal-of-chemical-thermodynamics/>. Impact factor: 1.966 (2009).
- [2] Title: A green and sensitive method to determine phenols in water and wastewater samples using an aqueous two-phase system. Author(s): Rodrigues Guilherme Dias; de Lemos Leandro Rodrigues; Mendes da Silva Luis Henrique; et al. Source: **TALANTA** Volume: 80 Issue: 3 Pages: 1139-1144. DOI: 10.1016/j.talanta.2009.08.039 Published: JAN 15 2010. ISSN: 0039-9140. web: <http://www.journals.elsevier.com/talanta/>. Impact factor: 3.722 (2010).
- [3] Title: Exploitation of a single interface flow system for on-line aqueous biphasic extraction. Author(s): Silvestre Cristina I. C.; Rodrigues Sofia; Santos Joao L. M.; et al. Source: **TALANTA** Volume: 81 Issue: 4-5 Pages: 1847-1851. DOI: 10.1016/j.talanta.2010.03.050 Published: JUN 15 2010. ISSN: 0039-9140. web: <http://www.journals.elsevier.com/talanta/>. Impact factor: 3.722 (2010). Număr autori: 2.
- [4] Title: The investigation on the aqueous two-phase floatation of lincomycin. Author(s): Li Min; Dong Hui-ru. Source: **SEPARATION AND PURIFICATION TECHNOLOGY** Volume: 73 Issue: 2. Pages: 208-212. DOI: 10.1016/j.seppur.2010.04.002 Published: JUN 18 2010. ISSN: 1383-5866. web: <http://www.journals.elsevier.com/separation-and-purification-technology/>. Impact factor: 2.775 / 2010.
- [5] Title: Investigation of three-liquid-phase extraction systems for the separation of Ti(IV), Fe(III) and Mg(II). Author(s): Xie Keng; Zhao Junmei; Yang Liangrong; et al. Source: **SEPARATION AND PURIFICATION TECHNOLOGY** Volume: 76. Issue: 2. Pages: 191-197. DOI: 10.1016/j.seppur.2010.10.007 Published: DEC 13 2010. ISSN: 1383-5866. web: <http://www.journals.elsevier.com/>. Impact factor: 2.775 (2010).
- [6] Title: Liquid-Liquid Equilibrium of Aqueous Two-Phase Systems of PPG(400) and Biodegradable Salts at Temperatures of (298.15, 308.15, and 318.15) K. Author(s): Xie Xueqiao; Yan Yongsheng; Han Juan; et al. Source: **JOURNAL OF CHEMICAL AND ENGINEERING DATA** Vol.: 55 Issue: 8 Pages: 2857-2861. DOI: 10.1021/je901019t web: <http://pubs.acs.org/page/ceax/about.html>. Published: AUG 2010. ISSN: 0021-9568. Impact factor: 2.089 (2010).
- [7] Title: Measurement and Correlation of the Phase Diagram Data for PPG(400) + (K<sub>3</sub>PO<sub>4</sub>, K<sub>2</sub>CO<sub>3</sub>, and K<sub>2</sub>HPO<sub>4</sub>) + H<sub>2</sub>O Aqueous Two-Phase Systems at T=298.15 K. Author(s): Xie Xueqiao; Han Juan; Wang Yun; et al. Source: **JOURNAL OF CHEMICAL AND ENGINEERING DATA** Volume: 55 Issue: 11 Pages: 4741-4745. DOI: 10.1021/je100356s. Published: NOV 2010. ISSN: 0021-9568. web: <http://pubs.acs.org/>. Impact factor: 2.089 (2010).



- [8] Title: Three-Liquid-Phase Extraction and Separation of Ti(IV), Fe(III), and Mg(II). Author(s): Xie Keng; Huang Kun; Xu Lin; et al. Source: **INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH** Volume: 50. Issue: 10. Pages: 6362-6368. DOI: 10.1021/ie1022354. Published: MAY 18 2011. web: <http://pubs.acs.org/journal/iecred>. ISSN: 0888-5885. Impact factor: **2.237** (2011).
- [9] Title: Study of polyethylene glycol as a green solvent in the microwave-assisted extraction of flavone and coumarin compounds from medicinal plants. Author(s): Zhou Ting; Xiao Xiaohua; Li Gongke; et al. Source: **JOURNAL OF CHROMATOGRAPHY A** Volume: 1218. Issue: 23. Pages: 3608-3615. DOI: 10.1016/j.chroma.2011.04.031 Published: JUN 10 2011. web: <http://www.journals.elsevier.com/journal-of-chromatography-a/>. ISSN: 0021-9673. Impact factor: **4.531** (2011).
- [10] Title: A GREEN AND EFFECTIVE METHOD TO EXTRACT SULFAMETHAZINE IN REAL WATER SAMPLE USING POLY-PROPYLENE GLYCOL-BASED AQUEOUS TWO-PHASE SYSTEMS. Author(s): Zhao Xiaohong; Xie Xueqiao; Yan Yongsheng. Source: **FRESENIUS ENVIRONMENTAL BULLETIN** Volume: 20. Issue: 11A. Pages: 2999-3005. Published: 2011. ISSN: 1018-4619. web: <http://www.psp-parlar.de/>. Impact factor: **0.660** (2011).
- [11] Title: Influence of solution chemistry on Cr(VI) reduction and complexation onto date-pits/tea-waste biomaterials. Authors: Ahmad B. Albadarin, Chirangano Mangwandi, Gavin M. Walker, Stephen J. Allen, Mohammad N.M. Ahmad, Majeda Khraisheh. Source: **Journal of Environmental Management**, Volume 114, 15 January 2013, Pages 190–201. web: <http://www.journals.elsevier.com/journal-of-environmental-management/>. ISSN: 0301-4797. Impact factor: **3.188** / 2013.
- [12] Title: Zinc and cadmium removal by biosorption on *Undaria pinnatifida* batch and continuous processes. Authors: J. Plaza Cazón, M. Viera, E. Donati, E. Guibal. Source: **Journal of Environmental Management**. Volume 129, 15 November 2013, Pages 423–434. ISSN: 0301-4797. web: <http://www.journals.elsevier.com/journal-of-environmental-management/>. Impact factor: **3.188** (2013).
- [13] Title: Adsorption, concentration, and recovery of aqueous heavy metal ions with the root powder of *Eichhornia crassipes*. Authors: Xiaosen Li, Songlin Liu, Zhongyuan Na, Diannan Lu, Zheng Liu. **Ecological Engineering**, Volume 60, November 2013, Pages 160–166. ISSN: 0925-8574. web: <http://www.journals.elsevier.com/ecological-engineering/>. Impact factor: **3.041** (2013).
- [14] Title: Biosorption of chromium onto native and immobilized sugarcane bagasse waste biomass. Authors: Ullah, I., Nadeem, R., Iqbal, M., Manzoor, Q. Source: **Ecological Engineering** Volume 60, November 2013, P. 99-107. web: <http://www.journals.elsevier.com/>. ISSN: 0925-8574. Impact factor: **3.041** (2013).
- [15] Title: INFLUENCE OF PREPARATION METHOD OF Spirogyra sp ALGAE ON THEIR SORPTION CAPACITY. Author: By: Rajfur, M (Rajfur, Malgorzata). Source: **ECOLOGICAL CHEMISTRY AND ENGINEERING S-CHEMIA I INZYNIERIA EKOLOGICZNA S** Volume: 20 Issue: 3 Pages: 475-488 DOI: 10.2478/eces-2013-0035 Published: 2013. ISSN: 1898-6196. web: <http://www.degruyter.com/view/j/eces>. Impact factor: **0.558** (2013).
- [16] Title: Comparative solution properties of cyclocopolymers having cationic, anionic, zwitterionic and zwitterionic/anionic backbones of similar degree of polymerization. Author(s): Ali Shaikh A.; Al-Hamouz Othman Charles S. Source: **POLYMER** (United Kingdom) Volume: 53. Issue: 15. Pages: 3368-3377. DOI: 10.1016/j.polymer.2012.05.034. web: <http://www.journals.elsevier.com/>. Published: JUL 6 2012. ISSN: 0032-3861. Impact factor: **3.379** (2012).
- [17] Title: pH-responsive polyphosphonates using butler's cyclopolymerization. Author(s): Al-Hamouz Othman Charles S.; Ali Shaikh A. Source: **JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY** Volume: 50. Issue: 17. Pages: 3580-3591. DOI: 10.1002/pola.26143 Published: SEP 1 2012. web: [http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)1099-0518](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1099-0518). ISSN: 1099-0518. Impact factor: **3.543** (2012).
- [18] Title: Measurement and correlation of phase diagram data for polyoxyethylene (10) lauryl ether and potassium hydroxide / potassium carbonate / potassium phosphate aqueous two-phase systems at 298.15 K. Author(s): Lu Yang; Han Juan; Sheng Chengzhuo; et al. Source: **THERMOCHIMICA ACTA** Volume: 543. Pages: 1-8. DOI: 10.1016/j.tca.2012.06.003. web: <http://www.journals.elsevier.com/thermochimica-acta/>. ISSN: 0040-6031. Published: SEP 10 2012. Impact factor: **1.989** (2012).
- [19] Title: Liquid-liquid equilibrium of aqueous two-phase systems composed of hydrophilic alcohols (ethanol/2-propanol/1-propanol) and MgSO 4/ZnSO 4 at (303.15 and 313.15) K and correlation. Authors: Guo W., Ma, J., Wang Y., Han J., Li Y., Song S. Source: **Thermochimica Acta** Volume 546, 20 October 2012, Pages 8-15. web: <http://www.journals.elsevier.com/thermochimica-acta/>. ISSN: 0040-6031. Impact factor: **1.989** (2012).
- [20] Title: Measurement and Correlation of the Phase Diagram Data for 1-Ethyl-3-methylimidazolium Dimethyl phosphate+K3PO4/K2HPO4 / K2CO3+H2O Ionic Liquids Aqueous Two-Phase Systems at T=298.15 K. Author(s): Wang Liang; Zhu Hong; Yan Yongsheng. Source: **ACTA CHIMICA SINICA** (Chinese Journal of Chemistry). Volume: 70. Issue: 6. Pages: 707-713. web: <http://onlinelibrary.wiley.com/>. ISSN: 0567-7351. Published: MAR 28 2012. Impact factor: **0.622** (2012).
- [21] Title: Study on the PEG-based microwave-assisted extraction of flavonoid compounds from persimmon leaves. Author(s): Liu Lei; Liu Rui-Lin; Zhang Jing; et al. Source: **JOURNAL OF SEPARATION SCIENCE** Volume: 35. Issue: 23. Pages: 3412-3420. DOI: 10.1002/jssc.201200495. Published: DEC 2012. web: [http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)1615-9314](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1615-9314). ISSN: 1615-9314. Impact factor: **2.591** (2012).
- [22] Title: Monosegmented Flow Analysis Exploiting Aqueous Two-phase Systems for the Determination of Cobalt. Author(s): Rodrigues Guilherme Dias; de Lemos Leandro Rodrigues; Mendes da Silva Luis Henrique; et al. Source: **ANALYTICAL SCIENCES** Volume: 28. Issue: 12. Pages: 1213-1218. Published: DEC 2012. web: <https://www.jstage.jst.go.jp/browse/analsci>. ISSN: 0910-6340. Impact factor: **1.569** (2012).
- [23] Title: Application of hydrophobic extractant in aqueous two-phase systems for selective extraction of cobalt, nickel and cadmium. Authors: Rodrigues G.D., De Lemos L.R., Da Silva, L.H.M., Da Silva M.C.H. Source: **Journal of Chromatography A** Volume 1279, 1 March 2013, 13-19. web: <http://www.journals.elsevier.com/>. ISSN: 0021-9673. Impact factor: **4.258** (2013).
- [24] Title: Measurement and correlation of phase diagram data for acetone and sulfate aqueous two-phase systems at different temperatures. Author(s): Lu, Yang; Hao, Tongfan; Hu, Shiping; et al. Source: **THERMOCHIMICA ACTA** Volume: 568 Pages: 209-217 DOI: 10.1016/j.tca.2013.07.002. Published: SEP 20 2013. web: <http://www.journals.elsevier.com/thermochimica-acta/>. ISSN: 0040-6031. Factor impact: **2.105** (2013).
- [25] Title: Liquid-liquid equilibrium of the [4-MBP][BF4]-NaCl-H2O systems at T = 293.15, 303.15, 313.15, and 323.15 K: Experimentation and correlation. Authors: Yuliang Li, Qian Liu, Mengshi Zhang, Hang Su. Source: **Thermochimica Acta** Volume 565, 10 August 2013, Pages 234–240. web: <http://www.journals.elsevier.com/>. ISSN: 0040-6031. Factor impact: **2.015** (2013).
- [26] Title: Light, Middle, and Heavy Rare-Earth Group Separation: A New Approach via a Liquid-Liquid-Liquid Three-Phase System. Author(s): Sui, Na; Huang, Kun; Zhang, Chao; et al. Source: **INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH** Volume: 52 Issue: 17 Pages: 5997-6008. DOI: 10.1021/ie4002553. Published: MAY 1 2013. ISSN: 0888-5885. web: <http://pubs.acs.org/journal/iecred>. Factor de impact: **2.235** (2013).
- [27] Title: Novel physico-biological treatment for the remediation of textile dyes-containing industrial effluents. Authors: Álvarez M.S., Moscoso F., Rodríguez A., Sanromán M.A., Deive F.J. Source: **Bioresource Technology** Volume 146, October 2013, Pages 689-695. ISSN: 0960-8524. web: <http://www.journals.elsevier.com/bioresource-technology/>. Impact factor: **5.039** (2013).
- [28] Title: Pesticide removal from aqueous solutions by adding salting out agents. Authors: Moscoso F., Deive F.J., Esperança J.M.S.S., Rodríguez, A. Source: **International Journal of Molecular Sciences** Volume 14, Issue 10, , Pages 20954-20965. web: <http://www.mdpi.com/journal/ijms>. ISSN: 1422-0067. Published: 18 October 2013. Impact factor: **2.339** (2013).
- [29] Title: Polyethylene glycol as a novel solvent for extraction of crude polysaccharides from pericarpium granati. Authors: Zhou, XY (Zhou, Xin-Yu); Liu, RL (Liu, Rui-Lin); Ma, X (Ma, Xue); Zhang, ZQ (Zhang, Zhi-Qi). **CARBOHYDRATE POLYMERS**. Volume: 101 Pages: 886-889 DOI: 10.1016/j.carbpol.2013.10.017 Published: JAN 30 2014. web: <http://www.journals.elsevier.com/carbohydrate-polymers/>. ISSN: 0144-8617. Impact factor: **3.916** (2013).
- [30] Title: Separation of single-walled carbon nanotubes using aqueous two-phase system. Authors: Tang M.S.Y., Show, P.L., Lin, Y.K., Woon, K.L., Tan, C.P., Ling, T.C. Source: **Separation and Purification Technology** Volume 125, 7 May 2014, Pages 136-141. ISSN: 1383-5866. web: <http://www.journals.elsevier.com/separation-and-purification-technology/>. Impact factor: **3.065** (2013).
- [31] Title: Effect of phase inversion and separation on hepatitis B core antigen extraction from unclarified bacterial feedstock using aqueous two-phase system. Authors: Tou, Beatrice Sing Yieng; Neo, Kian Eang; Tey, Beng Ti; et al., **SEPARATION AND PURIFICATION TECHNOLOGY**, Volume: 130, Pages: 45-55, Published: JUN 10 2014. web: <http://www.journals.elsevier.com/>. ISSN: 1383-5866. Impact factor: **3.065** (2013).
- [32] Title: Liquid-liquid equilibria of ionic liquid N-butylpyridinium tetrafluoroborate and disodium hydrogen phosphate/sodium chloride/sodium sulfate/ammonium sulfate aqueous two-phase systems at T=298.15K: Experiment and correlation. Authors: Li, Y., Zhang, M., Wu, J., Shi, J., Shen, C. Source: **Fluid Phase Equilibria**, Volume 378, 25 September 2014, Pages 44-50. ISSN: 0378-3812. Impact factor: **2.241** (2013).
- [33] Title: Three-phase extraction of Zn and Mn from their sulfate solution. Authors: Jin S.-C., Chang Z.-D, Wang K., Hua C., Yu P.-H., Ma Y.-C., Liu H.-Z. Source: **Guocheng Gongcheng Xuebao / The Chinese Journal of Process Engineering** Volume 9, Issue 4, August 2009, 683-688. ISSN: 1009-606X. web: <http://www.scimagojr.com/>. Impact factor: **0.000**.
- [34] Title: Recovery of Biological Products in Aqueous Two Phase Systems. Author: Karnika Ratanapongleka. Source: **International Journal of Chemical Engineering and Applications**, Vol. 1, No. 2, p. 191-198. August 2010. Web: <http://www.ijcea.org/show-23-296-1.html>. ISSN: 2010-0221. DOI: 10.7763/IJCEA.2010.V1.33. Impact factor: **0.000**.
- [35] Title: Liquid-liquid equilibrium of aqueous two-phase systems containing PPG725 and potassium salts at 298.15 K. Authors: Liu, R., Yan, Y.. Source: **Asian Journal of Chemistry**, Volume 27, Issue 3, 2015, Pages 1125-1129. ISSN: 0970-7077. Impact factor: **0.000**.

#### Lucrarea citată:

Bulgariu L., Bulgariu D. (2008). Cd(II) extraction in PEG (1550)-(NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub> aqueous two-phase systems using halide extractants. **Journal of the Serbian Chemical Society** 73(3),

p. 341-350.

Citată în:

- [1] Title: Exploitation of a single interface flow system for on-line aqueous biphasic extraction. Author(s): Silvestre Cristina I. C.; Rodrigues Sofia; Santos Joao L. M.; et al. Source: **TALANTA** Volume: 81. Issue: 4-5. Pages: 1847-1851. DOI: 10.1016/j.talanta.2010.03.050 Published: JUN 15 2010. ISSN: 0039-9140. web: <http://www.journals.elsevier.com/talanta/>. Impact factor: **3.722** (2010).
- [2] Title: Block copolymer micellization induced microphase mass transfer: Partition of Pd(II), Pt(IV) and Rh(III) in three-liquid-phase systems of S201-EOPNa2SO4-H2O. Author(s): Yu Pinhua; Huang Kun; Zhang Chao; et al. Source: **JOURNAL OF COLLOID AND INTERFACE SCIENCE**. Volume: 362. Issue: 1. Pages: 228-234. DOI: 10.1016/j.jcis.2011.06.009. Published: OCT 1 2011. web: <http://www.journals.elsevier.com/jcis>. ISSN: 0021-9797. Impact factor: **3.070** (2011).
- [3] Title: Optimization of Extraction and Determination of Chloramphenicol in Livestock Meat Samples using Aqueous Two-Phase System of n-propanol and Potassium Citrate Coupled with HPLC. Author(s): Li, Yanfang; Han, Juan; Wang, Yun; et al. Source: **JOURNAL OF THE BRAZILIAN CHEMICAL SOCIETY** Volume: 24 Issue: 4 Pages: 669-674. Published: APR 2013. ISSN: 0103-5053. web: <http://jbcs.sbfq.org.br/>. Impact factor: **1,253** (2013).

Lucrarea citată:

Bulgariu L., Răţoi M., **Bulgariu D.**, Macoveanu M. (2009). Adsorption potential of mercury(II) from aqueous solutions onto Romanian peat moss. **Journal of Environmental Science and Health, Part A-Toxic Hazardous Substances & Environmental Engineering**, 44(7), p. 700-706.

Citată în:

- [1] Title: High-precision measurement of mercury isotope ratios of atmospheric deposition over the past 150 years recorded in a peat core taken from Hongyuan, Sichuan Province, China. Author(s): Shi WenFang; Feng XinBin; Zhang Gan; et al. Source: **CHINESE SCIENCE BULLETIN** Volume: 56. Issue: 9. Pages: 877-882. DOI: 10.1007/s11434-011-4396-0. Published: MAR 2011. ISSN: 1001-6538. web: <http://scsb.scichina.com>:8080/. Impact factor: **1.321** (2011).
- [2] Title: Competitive sorption efficiency studies of Cd(II), Cu(II) and Pb(II) by powdered mycelium of Cloud Ear Fungus *Auricularia polytricha*. Author(s): Zhang Dan; Wang Jipeng; Zeng Xuedan; et al. Source: **JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC / HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING** Volume: 46. Issue: 14. Pages: 1776-1782. ISSN: 1093-4529. Published: 2011. DOI: 10.1080/10934529.2011.625300. web: <http://www.tandfonline.com/toc/lesa20/current>. Impact factor: **1.190** (2011).
- [3] Title: Mercury biosorption from aqueous solutions by Sugarcane Bagasse. Author(s): Khoramzadeh, E.; Nasernejad, B.; Halladj, R. Source: **JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS** Volume: 44 Issue: 2 Pages: 266-269 DOI: 10.1016/j.jtice.2012.09.004 Published: MAR 2013. ISSN: 1876-1070. web: <http://www.journals.elsevier.com/journal-of-the-taiwan-institute-of-chemical-engineers/>. Impact factor: **2.637** (2013).
- [4] Title: Use of plants for biomonitoring of airborne mercury in contaminated areas. Author(s): Lodenius, Martin (Conference: 10th International Conference on Mercury as a Global Pollutant Location: Halifax, CANADA Date: JUL 24-28, 2011) Source: **ENVIRONMENTAL RESEARCH** Volume: 125 Special Issue: SI Pages: 113-123 DOI: 10.1016/j.envres.2012.10.014 web: <http://www.journals.elsevier.com/environmental-research/>. Published: AUG 2013. ISSN: 0013-9351. Impact factor: **3,951** (2013).
- [5] Title: Removal of cadmium and lead from heavy metals loaded PVA-SA immobilized *Lentinus edodes*. Authors: Dan Zhang, Yu Zhanga, Fei Shena, Jipeng Wang, Wei Li, Enxia Li, Jerzy Falandysz. Source: **Desalination and Water Treatment**. Published online: 29 Jul 2013. Volume 52, Issue 25-27, July 2014, Pages 4792-4801 DOI:10.1080/19443994.2013.809936. web: <http://www.sciimagorj.com/>. ISSN: 1944-3994. Impact factor: **0,987** (2013).

Lucrarea citată:

Bulgariu L., **Bulgariu D.**, Măluţan Th., Macoveanu M. (2009). Adsorption of Lead(II) Ions from Aqueous Solution onto Lignin. **Adsorption Science & Technology**, 27(4), p. 435-445.

Citată în:

- [1] Title: Kinetics, Isotherms and Thermodynamics of the Adsorption of Lead(II) Ions onto Porous Mono-sized Microspheres Possessing Imidazole Functional Groups. Author(s): Kara Ali; Tuncel Ali. Source: **ADSORPTION SCIENCE & TECHNOLOGY** Volume: 29. Issue: 3. Pages: 259-275. DOI: 10.1260/0263-6174.29.3.259. Published: MAR 2011. web: <http://multi-science.metapress.com/content/121490/?sortorder=asc>. ISSN: 0263-6174. ISSN: 0263-6774. web: <http://multi-science.metapress.com/>. Impact factor: **0.606** (2011).
- [2] Title: Bromine pretreated chitosan for adsorption of lead (II) from water. Author(s): Dongre, Rajendra; Thakur Minakshi; Ghugal Dinesh; et al. Source: **BULLETIN OF MATERIALS SCIENCE** Volume: 35. Issue: 5. Pages: 875-884. DOI: 10.1007/s12034-012-0359-6. Published: OCT 2012. ISSN: 0250-4707. web: <http://www.springer.com/materials/journal/>. Impact factor: **0.584** (2012).
- [3] Title: Kinetic and Equilibrium Studies on the Adsorption of Pb(II), Cd(II) and Cu(II) by Rape Straw. Author(s): Gong, Xiao-bao. Source: **ADSORPTION SCIENCE & TECHNOLOGY** Volume: 31 Issue: 6 Pages: 559-571 Published: 2013. ISSN: 0263-6774. web: <http://multi-science.metapress.com/>. Impact factor: **0.930** (2013).
- [4] Title: Adsorption of lead ions using a modified lignin hydrogel. Authors: Yao, Qingxin; Xie, Jianjun; Liu, Junxia; et al. Source: **JOURNAL OF POLYMER RESEARCH**, Volume: 21, Issue: 6, Article Number: 465, Published: MAY 28 2014. ISSN: 1022-9760. Impact factor: **1.897** (2013).
- [5] Title: Chitin-Lignin Material as a Novel Matrix for Enzyme Immobilization. Authors: Zdzarta, Jakub; Klapiszewski, Lukasz; Wysokowski, Marcin; et al. Source: **MARINE DRUGS**, Volume: 13, Issue: 4, Pages: 2424-2446, Published: 2015. ISSN: 1660-3397. Factor de impact: **3,512** (2013).

Lucrarea citată:

Bulgariu L., **Bulgariu D.**, Macoveanu M. (2011). Adsorptive Performances of Alkaline Treated Peat for Heavy Metal Removal. **Separation Science & Technology**, 46 (6), p. 1023-1033.

Citată în:

- [1] Title: Peat Characterization and Uptake of Nickel (II) and Cobalt (II) in a Saprist Peat Column. Author(s): Asapo E.S.; Coles C.A. Source: **ADSORPTION SCIENCE & TECHNOLOGY** Volume: 30. Issue: 5. Pages: 369-381. Published: 2012. ISSN: 0263-6174. web: <http://www.multi-science.co.uk/adsorpt.htm>. Impact factor: **0.559** (2012).
- [2] Title: Hydrothermal synthesis of magnetic carbon microspheres for effective adsorption of Cd(II) in water. Authors: Zhou, Xuan; You, Shi-Jie; Wang, Xiu-Heng; et al. Source: **JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY**, Volume: 89, Issue: 7, Pages: 1051-1059, Published: JUL 2014. ISSN: 0268-2575. Impact factor: **2.494** (2013).
- [3] Title: Application of Raw and Alkaline-modified Coconut Shaft as a Biosorbent for Pb2+ Removal. Authors: Edwin Andrew Ofudje, Olubunmi Kolawole Akiode, Gabriel Opeoluwa Oladipo, Adebunayo Emmanuel Adedapo, Lateefah Olanike Adebayo, Ayodeji Olushola Awotula, Source: **BioResources**, Vol 10, No 2 (2015), pages: 3462-2480; Web: <http://www.ncsu.edu/bioresources/index.htm>. ISSN: 1930-2126. Impact factor: **1,549** / 2013.

Lucrarea citată:

Smaranda C., Gavrilăscu M., **Bulgariu D.** (2011). Studies on Sorption of Congo Red from Aqueous Solution onto Soil. **International Journal of Environmental Research**, 5(1), p. 177-188.

Citată în:

- [1] Title: Highly Efficient Adsorption of Anionic Dyes from Aqueous Solutions Using Sawdust Modified by Cationic Surfactant of Cetyltrimethylammonium Bromide. Author(s): Ansari Reza; Seyghali Babak; Mohammad-Khah Ali; et al. Source: **JOURNAL OF SURFACTANTS AND DETERGENTS** Volume: 15. Issue: 5. Pages: 557-565. DOI: 10.1007/s11743-012-1334-3. Published: SEP 2012. web: <http://www.springer.com/chemistry/> 11743. ISSN: 1097-3958. Impact factor: **1.515** (2012). Număr autori: 3.
- [2] Title: Influence of soil copper content on the kinetics of thiram adsorption and on thiram leachability from soils. Author(s): Filipe Olga M.S.; Costa Carina A.E.; Vidal Maria M.; et al. Source: **CHEMOSPHERE** Volume: 90. Issue: 2. Pages: 432-440. DOI: 10.1016/j.chemosphere.2012.07.057. Published: JAN 2013. web: <http://www.journals.elsevier.com/>. ISSN: 0045-6535. Impact factor: **3.499** (2013).
- [3] Title: Effect of Alternative Electrolytes on Enhanced Electrokinetic Remediation of Hexavalent Chromium in Clayey Soil. Author(s): Saeedi M.; Li L.Y.; Ghareh Tapeh Moradi A. Source: **INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH** Volume: 7. Issue: 1. Pages: 39-50. Published: WIN 2013. web: <http://ijer.ut.ac.ir/>. ISSN: 1735-6865. Impact factor: **1.818** (2012).
- [4] Title: Decolorisation of aqueous dye solutions by low-cost adsorbents: a review. Authors: Rashmi Sanghi, Preeti Verma. Source: **Coloration Technology**, Article first published online: 15 JAN 2013, DOI: 10.1111/cote.12019, 129(2), p. 85-108. ISSN: 1478-4408. web: [http://onlinelibrary.wiley.com/journal/10.1111/\(ISSN\)1478-4408](http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1478-4408). Impact factor: **1.173** (2013).
- [5] Title: REMOVAL OF DIAZO DYE FROM THE AQUEOUS PHASE BY BIOSORPTION ONTO BALL-MILLED MAIZE COB (BMMC) BIOMASS OF Zea mays. Author(s): Yaneva, Zvezdelina; Georgieva, Nedyalka. Source: **MACEDONIAN JOURNAL OF CHEMISTRY AND CHEMICAL ENGINEERING** Volume: 32 Issue: 1 Pages: 133-149 Published: 2013. ISSN: 1857-5552. web: <http://www.mjce.org.mk/index.php/MJCE>. Impact factor: **0.310** (2013).

Lucrarea citată:

Bulgariu L., **Bulgariu D.** (2011). Extraction of gold (III) from chloride media in aqueous polyethylene glycol – based two-phase system. **Separation & Purification Technology**, 80(3), p. 620 – 625.

Citată în:

- [1] Title: Comparative solution properties of cyclopolymers having cationic, anionic, zwitterionic and zwitterionic/anionic backbones of similar degree of polymerization. Author(s): Ali Shaikh A.; Al-Hamouz Othman Charles S. Source: **POLYMER** (United Kingdom) Volume: 53. Issue: 15. Pages: 3368-3377. DOI: 10.1016/j.polymer.2012.05.034 Published:

- JUL 6 2012. web: <http://www.journals.elsevier.com/>. ISSN: 0032-3861. Impact factor: **3.379** (2012).
- [2] Title: pH-responsive polyphosphonates using butler's cyclopolymerization. Author(s): Al-Hamouz, Othman Charles S.; Ali, Shaikh A. Source: **JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY** Volume: 50. Issue: 17. Pages: 3580-3591. DOI: 10.1002/pola.26143. Published: SEP 1 2012. web: <http://onlinelibrary.wiley.com/>. ISSN: 1099-0518. Impact factor: **3.543** (2012).
- [3] Title: Phase behaviour at different temperatures of an aqueous two-phase ionic liquid containing ([Bmim]BF<sub>4</sub>+manganese sulfate+water). Author(s): Alvarenga, Bruno Giordano; Virtuoso, Luciano Sindra; Teixeira Lemes, Nelson Henrique; et al. Source: **JOURNAL OF CHEMICAL THERMODYNAMICS** Volume: 61 Pages: 45-50 DOI: 10.1016/j.jct.2013.01.025 Published: JUN 2013. web: <http://www.journals.elsevier.com/the-journal-of-chemical-thermodynamics/>. ISSN: 0021-9614. Impact factor: **2.243** (2013).
- [4] Title: Selective partition of potassium chloride and ammonium chloride by aqueous two-phase systems. Author(s): Chen, Jianxin; Shi, Xuna; Li, Yinhu; et al. Source: **SEPARATION AND PURIFICATION TECHNOLOGY** Volume: 108 Pages: 1-5 DOI: 10.1016/j.seppur.2013.01.042 Published: APR 19 2013. web: <http://www.journals.elsevier.com/>. ISSN: 1383-5866. Factor de impact: **3.065** (2013).
- [5] Title: Optimization of Extraction and Determination of Chloramphenicol in Livestock Meat Samples using Aqueous Two-Phase System of n-propanol and Potassium Citrate Coupled with HPLC. Author(s): Li, Yanfang; Han, Juan; Wang, Yun; et al. Source: **JOURNAL OF THE BRAZILIAN CHEMICAL SOCIETY** Volume: 24 Issue: 4 Pages: 669-674 Published: APR 2013. ISSN: 0103-5053. web: <http://jbc.sbc.org.br/>. Factor de impact: **1.253** (2013).
- [6] Title: Rapid recognition and recovery of gold(III) with functional ligand immobilized novel mesoporous adsorbent. Authors: Awual, Md. Rabiul; Khaleque, Md. Abdul; Ferdows, M.; et al. Source: **MICROCHEMICAL JOURNAL** Volume: 110 Pages: 591-598 Published: SEP 2013. web: <http://www.journals.elsevier.com/microchemical-journal/>. ISSN: 0026-265X. Impact factor: **3.583** (2013).
- [7] Title: Modeling aqueous two-phase systems: I. Polyethylene glycol and inorganic salts as ATPS former. Authors: Thomas Reschke, Christoph Brandenbusch, Gabriele Sadowski. Source: **Fluid Phase Equilibria** Volume 368, 25 April 2014, Pages 91–103. / ISSN: 0378-3812. web: <http://www.journals.elsevier.com/fluid-phase-equilibria>. Impact factor: **2.241** (2013).
- [8] Title: Determination of Gold(III) by Simplified Room-Temperature Ionic Liquid Extraction with Flame Atomic Absorption Spectrometry. Authors: Ou Sha, Xiashi Zhu. Source: **Analytical Letters** Received: 5 Sep 2013 Accepted: 15 Oct 2013 Accepted author version posted online: 24 Feb 2014 Published online: 24 Feb 2014. web: <http://www.tandfonline.com>. ISSN: 0003-2719. Impact factor: **1.019** (2013).
- [9] Title: Fractionation of aqueous sodium salts by liquid-liquid extraction in aqueous two phase systems. Authors: Miran Milosevic, Koen J.J. Staal, Gerrald Bargeman, Boelo Schuur, André B. de Haan. Source: **Separation and Purification Technology** Volume 125, 7 April 2014, Pages 208–215. web: <http://www.journals.elsevier.com/>. ISSN: 1383-5866. Factor de impact: **3.065** (2013).
- [10] Title: Measurement and Correlation of Phase Equilibria in Aqueous Two-Phase Systems Containing Polyoxyethylene Lauryl Ether and Sulfate Salt at Different Temperatures. Authors: Cao, Lihua; Lu, Yang; Hao, Tongfan; et al. Source: **JOURNAL OF CHEMICAL AND ENGINEERING DATA**, Vol.: 59, Issue: 12, Pages: 4184-4192, Published: DEC 2014. ISSN: 0021-9568. Impact factor: **2.045** (2013).
- [11] Title: In situ ionic liquid dispersive liquid-liquid microextraction and determination of Au(III) by flame atomic absorption spectrometry. Authors: Ou Sha, Juan Chen, Li Chen, Shuan Li. Source: **Journal of the Iranian Chemical Society**, 21 Feb 2015. web: <http://www.springer.com/chemistry/>. ISSN: 1735-207X (print version). Journal no. 13738. Impact factor: **1.406** (2013).
- [12] Title: Measurement and Correlation of Phase Equilibria in Aqueous Two-Phase Systems Containing Polyoxyethylene Cetyl Ether and Potassium Salt at Different Temperatures. Authors: Yang Lu, Biao Cong, Juan Han, Yun Wang, Zhenjiang Tan, and Yongsheng Yan. Source: **J. Chem. Eng. Data**, 2015, 60 (4), pp 1193–1201. DOI: 10.1021/je501165h. Publication Date (Web): March 11, 2015. Copyright © 2015 American Chemical Society. web: <http://pubs.acs.org/journal/jceax>. Impact factor: **2.045** (2013).
- [13] Title: Biosorption of palladium(II) from aqueous solution by grafting chitosan on Persimmon tannin extract. Authors: Zhide Zhou, Fenglei Liu, Yong Huang, Zhongmin Wang, Guiyin Li. Source: **International Journal of Biological Macromolecules**. dx.doi.org/10.1016/j.ijbiomac.2015.03.037.0141-8130/© 2015. ISSN: 0141-8130. web: <http://www.journals.elsevier.com/>. Impact factor: **3.096** (2013).
- [14] Title: Extraction of gold(III) in hydrochloric acid media by 2-ethyl hexyl cyclohexyl sulfide. Authors: Ge, Y., Zhangjie, H., Li, W. Source: **Asian Journal of Chemistry**, Volume 26, Issue 19, 2014, Pages 6474-6476. ISSN: 0970-7077 (Print). Impact factor: **0,000** (2014).

#### Lucrarea citată:

Bulgariu L., Bulgariu D., Macoveanu M. (2012). Characteristics of sorption of uncomplexed and complexed Pb(II) from aqueous solutions onto peat. **Chemical Papers**, 66 (4), p. 239 – 247.

#### Citată în:

- [1] Title: Effect of Organic Ligands on Copper(II) Removal from Metal Plating Wastewater by Orange Peel-based Biosorbents. Author(s): Izquierdo, Marta; Marzal, Paula; Lens, Piet N. L. Source: **WATER AIR AND SOIL POLLUTION** Volume: 224 Issue: 4 Article Number: 1507 DOI: 10.1007/s11270-013-1507-3 Published: APR 2013. ISSN: 0049-6979. web: <http://www.springer.com/environment/journal/11270>. Impact factor: **1.685** (2013).
- [2] Title: Removal of chromium and lead by a sulfate-reducing consortium using peat moss as carbon source. Author(s): Márquez-Reyes, J.M., López-Chuken, U.J., Valdez-González, A., Luna-Olvera, H.A. Source: **Bioresource Technology**, Volume 144, September 2013, Pages 128-134. web: <http://www.journals.elsevier.com>. ISSN: 0960-8524. Impact factor: **5.039** (2013).
- [3] Title: Cu(II) removal enhancement from aqueous solutions using ion-imprinted membrane technique. Authors: Soheil Zarghami, Mansoor Kazemimoghadam, Toraj Mohammadi. Source: **Chemical Papers** June 2014, Volume 68, Issue 6, pp 809-815. ISSN: 0366-6352. web: <http://www.springer.com/chemistry/journal/11696>. Impact factor: **1.193** (2013).
- [4] Title: Diffusive transport of Cu(II) ions through thin ion imprinted polymeric membranes. Authors: Zarghami, Soheil; Mohammadi, Toraj; Kazemimoghadam, Mansoor. Source: **CHEMICAL PAPERS**, Volume: 68, Issue: 10, Pages: 1325-1331. Published: OCT 2014. ISSN: 0366-6352. web: <http://www.springer.com/chemistry/journal/11696>. Impact factor: **1.193** (2013).

#### Lucrarea citată:

Bulgariu D., Bulgariu L. (2012). Equilibrium and kinetics studies of heavy metal ions biosorption on green algae waste biomass. **Bioresource Technology**, 103 (1), p. 489-493.

#### Citată în:

- [1] Title: Biosorption of Heavy Metal Ions onto Agricultural Residues Buckwheat Hulls Functionalized with 1-Hydroxyethylidenediphosphonic Acid. Author(s): Yin Ping; Wang Zengdi; Qu Rongjun; et al. Source: **JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY** Volume: 60. Issue: 47. Pages: 11664-11674. DOI: 10.1021/jf303565d. Published: NOV 28 2012. web: <http://pubs.acs.org/page/jafcau/about.html>. ISSN: 0021-8561. Impact factor: **2.906** (2012).
- [2] Title: Metal tolerance and sequestration of Ni(II), Zn(II) and Cr(VI) ions from simulated and electroplating wastewater in batch process: Kinetics and equilibrium study. Author(s): Kumar Rajender; Bhatia Divya; Singh Rajesh; et al. Source: **INTERNATIONAL BIODETERIORATION & BIODEGRADATION** Volume: 66. Issue: 1. Pages: 82-90. DOI: 10.1016/j.ibiod.2011.11.006. Published: JAN 2012. ISSN: 0964-8305. web: <http://www.journals.elsevier.com/>. Impact factor: **2.059** (2012).
- [3] Title: Cadmium adsorption characteristic of alkali modified sewage sludge. Author(s): Hu Jian-Long; He Xu-Wen; Wang Chun-Rong; et al. Source: **BIORESOURCE TECHNOLOGY** Volume: 121. Pages: 25-30. DOI: 10.1016/j.biortech.2012.06.100. Published: OCT 2012. ISSN: 0960-8524. web: <http://www.journals.elsevier.com>. Impact factor: **4.750** (2012).
- [4] Title: A new approach for rhenium(VII) recovery by using modified brown algae Laminaria japonica adsorbent. Authors: Ying Xiong, Jia Xu, Weijun Shan, Zhenning Lou, Dawei Fang, Shuliang Zang, Guangxi Han. Source: **Bioresource Technology**, Volume 127, January 2013, Pages 464–472. ISSN: 0960-8524. web: <http://www.journals.elsevier.com>. Impact factor: **5.039** (2013).
- [5] Title: Biosorption and biodegradation of triphenyltin by Brevibacillus brevis. Authors: Ye, J., Yin, H., Peng, H., Bai, J., Xie, D., Wang, L. Source: **Bioresource Technology**. Volume 129, February 2013, Pages 236-241. ISSN: 0960-8524. web: <http://www.journals.elsevier.com>. Impact factor: **5.039** (2013).
- [6] Title: Removal of microelemental Cr(III) and Cu(II) by using soybean meal waste - Unusual isotherms and insights of binding mechanism. Author(s): Witek-Krowiak, Anna; Reddy, D. Harikishore Kumar. Source: **BIORESOURCE TECHNOLOGY** Volume: 127 Pages: 350-357 DOI: 10.1016/j.biortech.2012.09.072 web: <http://www.journals.elsevier.com>. ISSN: 0960-8524. Published: JAN 2013. Impact factor: **5.039** (2013).
- [7] Title: Removal of heavy metals from aqueous solution by lipopeptides and lipopeptides modified Na-montmorillonite. Authors: Zhu, Z (Zhu, Zhen); Gao, C (Gao, Chao); Wu, YL (Wu, Yanliang); Sun, LF (Sun, Lifei); Huang, XL (Huang, Xiaolei); Ran, W (Ran, Wei) [ 1 ] ; Shen, QR (Shen, Qirong). Source: **BIORESOURCE TECHNOLOGY** Volume: 147 Pages: 378-386 DOI: 10.1016/j.biortech.2013.08.049 Published: NOV 2013. web: <http://www.journals.elsevier.com>. ISSN: 0960-8524. Impact factor: **5.039** (2013).
- [8] Title: Removal of Cu<sup>2+</sup> ions from aqueous solution by the abandoned mushroom compost of Flammulina velutipes. Authors: Luo, D., Xie, Y.-F., Tan, Z.-L., Li, X.-D. Source: **Journal of Environmental Biology** Volume 34, Issue SUPPL.2, April 2013, Pages 359-365. ISSN: 0254-8704. web: <http://www.jeb.co.in/>. Impact factor: **0.680** (2012).
- [9] Title: Influence of hydrogen cations on kinetics and equilibria of heavy-metal sorption by algae—sorption of copper cations by the alga *Palmaria palmata* (Linnaeus) Weber & Mohr (Rhodophyta). Authors: Andrzej Klos, Malgorzata Rajfur. Source: **Journal of Applied Phycology**, January 2013; DOI 10.1007/s10811-012-9970-6. web: <http://link.springer.com/journal/> 10811. ISSN: 0921-8971. Impact factor: **2.326** (2013).
- [10] Title: Influence of solution chemistry on Cr(VI) reduction and complexation onto date-pits/tea-waste biomaterials. Authors: Ahmad B. Albadarin, Chirangano Mangwandi, Gavin

- M. Walker, Stephen J. Allen, Mohammad N.M. Ahmad, Majeda Khraisheh. Source: **Journal of Environmental Management**, Volume 114, 15 January 2013, Pages 190–201. web: <http://www.journals.elsevier.com/>. ISSN: 0301-4797. Impact factor: **3.188** (2013).
- [11] Title: Zinc and cadmium removal by biosorption on *Undaria pinnatifida* batch and continuous processes. Authors: J. Plaza Cazón, M. Viera, E. Donati, E. Guibal. Source: **Journal of Environmental Management**. Volume 129, 15 November 2013, Pages 423–434. ISSN: 0301-4797. web: <http://www.journals.elsevier.com/journal-of-environmental-management/>. Impact factor: **3.188** (2013).
- [12] Title: Adsorption, concentration, and recovery of aqueous heavy metal ions with the root powder of *Eichhornia crassipes*. Authors: Xiaosen Li, Songlin Liu, Zhongyuan Na, Diannan Lu, Zheng Liu. **Ecological Engineering**, Volume 60, November 2013, Pages 160–166. ISSN: 0925-8574. web: <http://www.journals.elsevier.com/ecological-engineering/>. Impact factor: **3.041** (2013).
- [13] Title: Biosorption of chromium onto native and immobilized sugarcane bagasse waste biomass. Authors: Ullah, I., Nadeem, R., Iqbal, M., Manzoor, Q. Source: **Ecological Engineering** Volume 60, November 2013, Pages 99–107. web: <http://www.journals.elsevier.com/ecological-engineering/>. ISSN: 0925-8574. Impact factor: **3.041** (2013).
- [14] Title: INFLUENCE OF PREPARATION METHOD OF Spirogyra sp ALGAE ON THEIR SORPTION CAPACITY. Author: By:Rajfur, M (Rajfur, Malgorzata). Source: **ECOLOGICAL CHEMISTRY AND ENGINEERING S-CHEMIA I INZYNIERIA EKOLOGICZNA S** Volume: 20 Issue: 3 Pages: 475–488 DOI: 10.2478/eces-2013-0035 Published: 2013. ISSN: 1898-6196. web: <http://www.degruyter.com/view/j/eces>. Impact factor: **0.558** (2013).
- [15] Title: Utilization on the Removal Cd(II) and Pb(II) Ions from Aqueous Solution Using Nonliving Rivularia bulata Algae. Author(s): Kizilkaya, Bayram; Akgul, Riza; Turker, Gulen. Source: **JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY** Volume: 34 Issue: 9 Pages: 1257–1264 DOI: 10.1080/01932691.2012.738121 Published: SEP 2 2013. web: <http://www.tandfonline.com/>. ISSN: 0193-2691. Impact factor: **0.705** (2013).
- [16] Title: Synergistic Effects of Nano-Sized Titanium Dioxide and Zinc on the Photosynthetic Capacity and Survival of Anabaena sp. Author(s): Tang, Yulin; Li, Shuyan; Qiao, Junlian; et al. Source: **INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES** Volume: 14 Issue: 7 Pages: 14395–14407. DOI: 10.3390/ijms140714395. Published: JUL 2013. web: <http://www.mdpi.com/journal/ijms>. ISSN: 1422-0067. Factor de impact: **2.339** (2013).
- [17] Title: Thin and thick target PIXE analyses to assess the mechanism of Cu<sup>2+</sup> removal by *Egeria densa*. Authors: F.R. Espinoza-Quifones, A.N. Módenes, G.H.F. Santos, C.E. Borba, M.A. Rizzutto, Mauro A.S.S. Ravagnani. Source: **Applied Radiation and Isotopes**, Volume 82, December 2013, Pages 1–6. web: <http://www.journals.elsevier.com/>. ISSN: 0969-8043. Factor de impact: **1.056** (2013).
- [18] Title: Comparative Study of Adsorption Ability of Ni(II) and Zn(II) Ionic Imprinted Amino-Silica Hybrid Toward Target Metal in Solution. Author(s): Buhani, Suharso; Fitriyani, Andi Yuli. Source: **ASIAN JOURNAL OF CHEMISTRY** Volume: 25 Issue: 5 Pages: 2875–2880 Published: MAY 2013. web: <http://asianjournalofchemistry.co.in/Home.aspx>. ISSN: 0970-7077. Factor de impact: **2.595** (2013).
- [19] Title: Removal of Vanadium(III) and Molybdenum(V) from Wastewater Using Posidonia oceanica (Tracheophyta) Biomass. Authors: Pennesi, C (Pennesi, Chiara); Totti, C (Totti, Cecilia); Beolchini, F (Beolchini, Francesca). Source: **PLOS ONE** Volume: 8 Issue: 10 Article Number: e76870 DOI: 10.1371/journal.pone.0076870 Published: OCT 25 2013. web: <http://www.plosone.org/>. ISSN: 1932-6203. Impact factor: **3.534** (2013).
- [20] Title: Dynamics and Thermodynamics Studies on the Lead and Cadmium Removal from Aqueous Solutions by Padina sp Algae: Studies in Single and Binary Metal Systems. Authors: Khani, M. H. Source: **SEPARATION SCIENCE AND TECHNOLOGY**, Volume: 48, Issue: 17, Pages: 2688–2699, Published: NOV 22 2013. web: <http://www.tandfonline.com/toc/lsst20/current#.Uw9dceVCmaQ>. ISSN: 0149-6395. Impact factor: **1.200** (2013).
- [21] Title: Adsorption-desorption of strontium from waters using aerobic granules. Author(s): Wang, Li; Wan, Chun Li; Lee, Duu-Jong; et al. Source: **JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS** Volume: 44 Issue: 3 Pages: 454–457 DOI: 10.1016/j.jtice.2012.12.005 Published: MAY 2013. web: <http://www.journals.elsevier.com/journal-of-the-taiwan-institute-of-chemical-engineers/>. ISSN: 1876-1070. Impact factor: **1.222** (2013).
- [22] Title: Effective decolorization potential of Thamnidium elegans: Biosorption optimization, modelling, characterization and application studies. Author(s): Akar, Tamer; Kulcu, Abdullah; Akar, Sibel Tunali. Source: **CHEMICAL ENGINEERING JOURNAL** Volume: 221 Pages: 461–468 DOI: 10.1016/j.cej.2013.01.082 Published: APR 1 2013. ISSN: 1385-8947. web: <http://www.journals.elsevier.com/chemical-engineering-journal/>. Impact factor: **4.058** (2013).
- [23] Title: Preparation, Characterization, Adsorption Equilibrium, and Kinetics for Gold-Ion Adsorption of Spent Buckwheat Hulls Modified by Organodiphosphonic Acid. Author(s): Xu, Mingyu; Yin, Ping; Liu, Xiquang; et al. Source: **INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH** Volume: 52 Issue: 24 Pages: 8114–8124 DOI: 10.1021/ie4001162 Published: JUN 19 2013. ISSN: 0888-5885. web: <http://pubs.acs.org/journal/iecred>. Factor de impact: **2.235** (2013).
- [24] Title: Entrapment of Eichhornia Crassipes in Ca-Alginate Beads: Preparation, Equilibrium and Kinetic Analysis for Metal Sorption. Authors: Courtie Mahamadi, Peter Zambara, Mathew Mupa. Source: **European Journal of Scientific Research**, ISSN 1450-216X Vol. 94 No 4 January, 2013, p.450–459, © EuroJournals Publishing, Inc. 2012, <http://www.europeanjournalofscientificresearch.com>. Impact factor: **0.736** (2011).
- [25] Title: Biosorption of Pb(II) and Fe(III) from Aqueous Solutions Using Oil Palm Biomasses as Adsorbents. Authors: Shabnam Khosravihaftkhan, Norhashimah Morad, Tjoon Tow Teng, Ahmad Zuhairi Abdullah, Ismail Norli. Source: **Water, Air, & Soil Pollution**, Volume: 224 Issue: 3 Article Number: 1455 DOI: 10.1007/s11270-013-1455-y Published: MAR 2013. ISSN 0049-6979. web <http://link.springer.com/journal/11270>. Factor de impact: **1.685** (2013).
- [26] Title: Sorption of heavy metals in the biomass of alga *Palmaria palmata*. Authors: Rajfur, M (Rajfur, Malgorzata); Klos, A (Klos, Andrzej). Source: **WATER SCIENCE AND TECHNOLOGY** Volume: 68 Issue: 7 Pages: 1543–1549 DOI: 10.2166/wst.2013.400 Published: 2013. ISSN: 0273-1223. web: <http://www.iwaponline.com/wst/toc.htm>. Impact factor: **1.212** (2013).
- [27] Title: Adsorption study of Pb(II) by chemically modified cattail stem. Authors: Wenlong Li, Yinxiang Lu. Source: **Desalination and Water Treatment**, DOI:10.1080/19443994.2013.767216, Version of record first published: 11 Feb 2013. Volume: 51, Issue: 34–36, Pages: 6824–6836, Published: OCT 1 2013. ISSN: 1944-3994. web: <http://www.tandfonline.com/toc/dwt20/current#.Uw9lfuVCmaQ>. Impact factor: **0.987** (2013).
- [28] Title: Combined performance of biochar sorption and magnetic separation processes for treatment of chromium-contained electroplating wastewater. Authors: Wang, Sheng-ye; Tang, Yan-kui; Li, Kun; et al. Source: **BIORESOURCE TECHNOLOGY**, Volume: 174, Pages: 67–73, Published: DEC 2014. ISSN: 0960-8524. Impact factor: **5.039** (2013).
- [29] Title: Thermodynamic parameters for adsorption equilibrium of heavy metals and dyes from wastewaters. Authors: Liu, Xiang; Lee, Duu-Jong. Source: **BIORESOURCE TECHNOLOGY**, Volume: 160, Special Issue: SI Pages: 24–31, Published: MAY 2014. ISSN: 0960-8524. Impact factor: **5.039** (2013). Număr autori: 2.
- [30] Title: Biosorption and biotransformation of fluoranthene by the white-rot fungus *Pleurotus eryngii* F032. Authors: Tony Hadibarata, Risky Ayu Kristanti, Myzairah Hamdzhah. Source: **Biotechnology and Applied Biochemistry**, Article first published online: 22 FEB 2014 DOI: 10.1002/bab.1155. ISSN: 1470-8744. web: [http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)1470-8744](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1470-8744). Impact factor: **1.322** (2013).
- [31] Title: Manganese Biosorption from Aqueous Solution by *Penicillium camemberti* Biomass in the Batch and Fix Bed Reactors: A Kinetic Study. Authors: Khalilnezhad, Rana; Olya, Mohammad Ebrahim; Khosravi, Morteza; et al. Source: **APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY**, Volume: 174, Issue: 5, Pages: 1919–1934. Published: NOV 2014. ISSN: 0273-2289. Impact factor: **1.687** (2013).
- [32] Title: Biochemical characterization of *Macrocyctis pyrifera* and *Undaria pinnatifida* (Phaeophyceae) in relation to their potentiality as biosorbents. Authors: J. Plaza Cazón, M. Viera, S. Sala, E. Donati. Source: **Phycologia**, January 2014, Vol. 53, No. 1, pp. 100–108. ISSN: 0031-8884. web: <http://www.phycologia.org/doi/abs/10.2216/12-106.1>. Impact factor: **1.820** (2013).
- [33] Title: Continuous metal bioremoval by new bacterial isolates in immobilized cell reactor. Authors: Herand, Binnur Kiratli; Simsek, Esra Karlik; Oncel, Mehmet Salim; et al. Source: **ANNALS OF MICROBIOLOGY**, 64, 2: 2, Pages: 699–706, Published: JUN 2014. ISSN: 1590-4261. Impact factor: **1.039** (2013).
- [34] Title: THE IMPACT OF VARIOUS CATIONS ON THE SORPTION OF MANGANESE IN THE THALLUS OF FRESHWATER ALGAE Spirogyra sp AND SEA ALGAE *Palmaria palmata*. Authors: Rajfur, Malgorzata; Jozwiak, Malgorzata Anna; Klos, Andrzej. Source: **ECOLOGICAL CHEMISTRY AND ENGINEERING S-CHEMIA I INZYNIERIA EKOLOGICZNA S**, 21, Issue: 1, Pages: 35–43, Published: 2014. ISSN: 1898-6196. Impact factor: **0.558** (2013).
- [35] Title: Removal of cadmium from aqueous solution by batch studies using *Bacillus cereus*. Authors: Arivalagan, Pugazhendhi; Singaraj, Dhivya; Haridass, Valsala; et al. Source: **ECOLOGICAL ENGINEERING**, Volume: 71, Pages: 728–735, Published: OCT 2014. ISSN: 0925-8574. Impact factor: **3.041** (2013).
- [36] Title: Application of Taguchi L-32 orthogonal array design to optimize copper biosorption by using *Spaghnum* moss. Athors: Ozdemir, Utkan; Ozbay, Bilge; Ozbay, Ismail; et al. Source: **ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY**, Volume: 107, Pages: 229–235, Published: SEP 2014. ISSN: 0147-6513. Impact factor: **2.482** (2013).
- [37] Title: Selective removal of cesium from aqueous solutions with nickel (II) hexacyanoferrate (III) functionalized agricultural residue-walnut shell. Authors: Ding, D., Lei, Z., Yang, Y., Feng, C., Zhang, Z. Source: **Journal of Hazardous Materials** Volume 270, 15 April 2014, Pages 187–195. web: <http://www.journals.elsevier.com/journal-of-hazardous-materials/>. ISSN: 0304-3894. Impact factor: **4.331** (2013).
- [38] Title: Immobilization of cadmium in soil by microbially induced carbonate precipitation with *Exiguobacterium undae* at low temperature. Authors: Kumari, Deepika; Pan, Xiangliang; Lee, Duu-Jong; et al. Source: **INTERNATIONAL BIODETERIORATION & BIODEGRADATION**, Volume: 94, Pages: 98–102, Published: OCT 2014. ISSN: 0964-8305. Impact factor: **2.235** (2013).
- [39] Title: Kinetic simulating of Cr(VI) removal by the waste *Chlorella vulgaris* biomass. Authors: Xie, Youping; Li, Hang; Wang, Xiaowei; et al. Source: **JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS**, 45, 4, p. 1773–1782, Published: JUL 2014. ISSN: 1876-1070. Impact factor: **2.637** (2013).
- [40] Title: Temperature effects on arsenate adsorption onto goethite and its preliminary application to arsenate removal from simulative geothermal water. Authors: Hao, Linlin;

- Ouyang, Tong; Lai, Limin; et al. Source: **RSC ADVANCES**, Volume: 4, Issue: 94, Pages: 51984-51990, Published: **2014**. ISSN: 2046-2069. Impact factor: **3.708** (2013).
- [41] Title: *Otostegia persica* biomass as a new biosorbent for the removal of lead from aqueous solutions. Authors: Alavi, S.A., Zilouei, H., Asadinezhad, A. Source: **International Journal of Environmental Science and Technology**, 12, 2, **2014**, Pages 489-498. ISSN: 1735-1472. Impact factor: **1.794** (2013).
- [42] Title: The single batch biosorption of copper(II) ions on *Sargassum acinarum*. Authors: Uzunoglu, D., Gürel, N., Özkaya, N., Özer, A. Source: **Desalination and Water Treatment** Vol. 52, Issue 7-9, **2014**, Pg. 1514-1523. web: <http://www.tandfonline.com/>. ISSN: 1944-3994. Impact factor: **0.987** (2013).
- [43] Title: Removal of heavy metal ions from aqueous solution by chemically modified mangosteen pericarp. Authors: Huang, Kai; Xiu, Yifan; Zhu, Hongmin. Source: **DESALINATION AND WATER TREATMENT**, Volume: 52, Issue: 37-39, Pages: 7108-7116, Published: NOV 10 **2014**. ISSN: 1944-3994. web: <http://www.tandfonline.com/toc/tdwt20/current#Uw9lfuVCmaQ>. Impact factor: **0.987** (2013).
- [44] Title: Chicken drumstick bones as an efficient biosorbent for copper (II) removal from aqueous solution. Authors: Znad, H., Frangeskides, Z. Source: **Desalination and Water Treatment** Vol. 52, Issue 7-9, **2014**, Pag. 1560-1570. web: <http://www.tandfonline.com/>. ISSN: 1944-3994. Impact factor: **0.987** (2013).
- [45] Title: Lipid production combined with biosorption and bioaccumulation of cadmium, copper, manganese and zinc by oleaginous microalgae *Chlorella minutissima* UTEX2341. Authors: Yang, JinShui; Cao, Jing; Xing, GuanLan; et al. Source: **BIORESOURCE TECHNOLOGY**, Volume: 175, Pages: 537-544, Published: JAN **2015**. ISSN: 0960-8524. Impact factor: **5.039** (2013).
- [46] Title: Efficient biosorption of lead(II) and cadmium(II) ions from aqueous solutions by functionalized cell with intracellular CaCO<sub>3</sub> mineral scaffolds. Authors: Ma, X., Cui, W., Yang, L., Yang, Y., Chen, H., Wang, K. Source: **Bioresource Technology**, Volume 185, June 01, **2015**, Pages 70-78. ISSN: 0960-8524. Impact factor: **5.039** (2013).
- [47] Title: Gracilaria waste biomass (sampah rumput laut) as a bioresource for selenium biosorption. Authors: Roberts, David A.; Paul, Nicholas A.; Dworjanyn, Symon A.; et al. Source: **JOURNAL OF APPLIED PHYCOLOGY**, Volume: 27, Issue: 1, Pages: 611-620, Published: FEB **2015**. ISSN: 0921-8971. Impact factor: **2.492** (2013).
- [48] Title: Effects of lead on tolerance, bioaccumulation, and antioxidative defense system of green algae, *Cladophora*. Authors: Cao, De-ju; Shi, Xiao-dong; Li, Hao; et al. Source: **ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY**, Volume: 112, Pages: 231-237, Published: FEB **2015**. ISSN: 0147-6513. Impact factor: **2.482** (2013).
- [49] Title: *Otostegia persica* biomass as a new biosorbent for the removal of lead from aqueous solutions. Authors: Alavi, S. A.; Zilouei, H.; Asadinezhad, A. Source: **INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY**, Volume: 12, Issue: 2, Pages: 489-498, Published: FEB **2015**. ISSN: 1735-1472. Impact factor **1.794** (2013).
- [50] Title: A novel magnetic adsorbent based on waste litchi peels for removing Pb(II) from aqueous solution. Authors: Jiang, R., Tian, J., Zheng, H., Qi, J., Sun, S., Li, X., Source: **Journal of Environmental Management**, Volume 155, May 05, **2015**, Pages 24-30. ISSN: 0301-4797. Impact factor: **3.188** (2013).
- [51] Title: Selective biosorption behavior of *Escherichia coli* biomass toward Pd(II) in Pt(IV)-Pd(II) binary solution. Authors: Kim, Sok; Song, Myung-Hee; Wei, Wei; et al. Source: **JOURNAL OF HAZARDOUS MATERIALS**, 283, Pages: 657-662. Published: FEB 11 **2015**. ISSN: 0304-3894. Impact factor: **4.331** (2013).
- [52] Title: Removal of As(V) from wastewater by chemically modified biomass. Authors: Song, W., Zhang, M., Liang, J., Han, G. Source: **Journal of Molecular Liquids**, Volume 206, June **2015**, Pages 262-267. ISSN: 0167-7322. Impact factor: **2.083** (2013).
- [53] Title: Chemically oxidized pineapple fruit peel for the biosorption of heavy metals from aqueous solutions. Authors: Akil Ahmad, Asma Khatoon, Siti-Hamidah Mohd-Setapar, Rajeev Kumar & Mohd. Rafatullah. Source: **Desalination and Water Treatment**. DOI: 10.1080/19443994.2015.1005150. Published online: 26 Jan **2015**. web: <http://www.tandfonline.com/toc/tdwt20/current#Uw9lfuVCmaQ>. ISSN: 1944-3994. Impact factor: **0.987** (2013).
- [54] Title: Fast and effective removal of cadmium ion from water using chitosan encapsulated magnetic Fe<sub>3</sub>O<sub>4</sub> nanoparticles. Authors: Lili Xu, Jie Chen, Yuezhong Wen, Hong Li, Jianqing Ma & Dongmei Fu. Source: **Desalination and Water Treatment**. DOI: 10.1080/19443994.2015.1019369. Published online: 03 Mar **2015**. web: <http://www.tandfonline.com/>. ISSN: 1944-3994. Impact factor: **0.987** (2013).
- [55] Title: Equilibrium biosorption studies of wastewater U(VI), Cu(II) and Ni(II) by the brown alga *Cystoseira indica* in single, binary and ternary metal systems. Authors: Ali Reza Keshtkar, Mahmoud Mohammadi, Mohammad Ali Moosavian. Source: **J Radioanal Nucl Chem** (2015) 303:363–376 DOI 10.1007/s10967-014-3370-0 January **2015**, Volume 303, Issue 1, pp 363-376. ISSN: 0236-5731 (print version). Impact factor: **1.415** (2013).
- [56] Title: Lead (II) and cadmium (II) biosorption on *Spirodela polyrrhiza* (L.) Schleiden biomass. Authors: Maibam Dhanaraj Meitei, M.N.V. Prasad. Source: **Journal of Environmental Chemical Engineering**, Volume 1, Issue 3, September **2013**, Pages 200–207. ISSN: 2213-3437. web: <http://www.journals.elsevier.com/journal-of-environmental-chemical-engineering/>. Impact factor: **0.000**.
- [57] Title: Integrated biorefineries: CO<sub>2</sub> utilization for maximum biomass conversion. Authors: Sharifzadeh, Mahdi; Wang, Lei; Shah, Nilay. Source: **RENEWABLE & SUSTAINABLE ENERGY REVIEWS**, Volume: 47, Pages: 151-161, Published: JUL **2015**. ISSN: 1364-0321. Impact factor: **5,510** (2013).
- Lucrarea citată:**  
Bulgariu L., Bulgariu D. (2012). Direct determination of nitrate in small volumes of natural surface waters uses a simple spectrophotometric method. **Reviews in Analytical Chemistry**. 31, 3-4, p. 201–207.
- Citată în:**  
[1] Title: Integrated flow analysis platform for the direct detection of nitrate in water using a simplified chromatropic acid method. Authors: Cogan, Deirdre; Cleary, John; Phelan, Thomas; et al. Source: **ANALYTICAL METHODS** Volume: 5 Issue: 18 Pages: 4798-4804 Published: **2013**. web: <http://pubs.rsc.org/en/journals/>. Impact factor: **1.938** (2013).
- [2] Title: Spatio temporal and environmental factors influencing macroalgal beta diversity in the Red Sea, Egypt. Authors: Issa, Ahmed A.; Hifney, Awatif F.; Abdel-Gawad, Khayria M.; et al. Source: **BOTANICA MARINA**, Vol.: 57, Issue: 2, p. 99-110. Published: APR **2014**. ISSN: 0006-8055. Impact factor: **1.000** (2013).
- [3] Title: Photo-induced flow-injection determination of nitrate in water. Authors: Mikuska, Pavel; Capka, Lukas; Vecera, Zbynek; et al. Source: **INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY**, Volume: 94, Issue: 10, Pages: 1038-1049, Published: **2014**. ISSN: 0306-7319. Impact factor: **1.321** (2013).
- Lucrarea citată:**  
Bulgariu D., Bulgariu L. (2013). Sorption of Pb(II) onto a mixture of algae waste biomass and anion exchanger resin in a packed-bed column. **Bioresource Technology**, 129, p. 374 – 380.
- Citată în:**  
[1] Title: On the utilization of a lignocellulosic waste as an excellent dye remover: Modification, characterization and mechanism analysis. Authors: Akar, Sibel Tunali; Yilmazer, Dilek; Celik, Sema; et al. Source: **CHEMICAL ENGINEERING JOURNAL** Volume: 229 Pages: 257-266 Published: AUG 1 **2013**. web: <http://www.journals.elsevier.com/chemical-engineering-journal/>. ISSN: 1385-8947. Impact factor: **4.058** (2013).
- [2] Title: Adsorptive removal of fluoride from aqueous medium using a fixed bed column packed with Zr (IV) loaded dried orange juice residue. Authors: Paudyal, Hari; Pangeni, Bimala; Inoue, Katsutoshi; et al. Source: **BIORESOURCE TECHNOLOGY** Volume: 146 Pages: 713-720 Published: OCT **2013**. web: <http://www.journals.elsevier.com>. ISSN: 0960-8524. Impact factor: **5.039** (2013).
- [3] Title: Sulfonated modification of cotton linter and its application as adsorbent for high-efficiency removal of lead(II) in effluent. Authors: Dong, Cuihua; Zhang, Haiguang; Pang, Zhiqiang; et al. Source: **BIORESOURCE TECHNOLOGY** Volume: 146 Pages: 512-518 Published: OCT **2013**. web: <http://www.journals.elsevier.com>. ISSN: 0960-8524. Impact factor: **5.039** (2013).
- [4] Title: Packed bed column studies on lead(II) removal from industrial wastewater by modified *Agaricus bisporus*. Authors: Long, Y., Lei, D., Ni, J., Ren, Z., Chen, C., Xu, H. Source: **Bioresource Technology** Volume 152, January **2014**, Pages 457-463. ISSN: 0960-8524. web: <http://www.journals.elsevier.com>. Impact factor: **5.039** (2013).
- [5] Title: Sorption characteristics and mechanisms of Pb(II) from aqueous solution by using bioflocculant MBFR10543. Authors: Guo, J., Yu, J. Source: **Applied Microbiology and Biotechnology**, **2014**, 98 (14), pp. 6431-6441. ISSN: 0175-7598 (Print). Impact factor: **3.811** (2013).
- [6] Title: Biosorption of Pb(II) from aqueous solution by *Solanum melongena* leaf powder as a low-cost biosorbent prepared from agricultural waste. Authors: Gutha Yuvaraja, Nettem Krishnaiah, Munagapati Venkata Subbaiah, Abburi Krishnaiah. Source: **Colloids and Surfaces B: Biointerfaces**, Volume 114, 1 February **2014**, Pages 75–81. ISSN: 0927-7765. web: <http://www.journals.elsevier.com/>. Impact factor: **4.287** (2013).
- [7] Title: Continuous removal of lead from aqueous solutions by Ca(II) imprinted chitosan microspheres packed column. Authors: Jing He, Yangcheng Lu, Longwen Wu & Guangsheng Luo. Source: **Separation Science and Technology**, DOI: 10.1080/01496395.2014.965261. Accepted author version posted online: 06 Dec 2014. Web: <http://www.tandfonline.com/action/journalInformation>. ISSN 0149-6395. Impact factor: **1.200** (2013).
- [8] Title: Effects of lead on tolerance, bioaccumulation, and antioxidative defense system of green algae, *Cladophora*. Authors: Cao, De-ju; Shi, Xiao-dong; Li, Hao; et al. Source: **ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY**, 112, p. 231-237, Published: FEB **2015**. ISSN: 0147-6513. Impact factor: **2.342** (2013).
- [9] Title: Continuous adsorption of Pb(II) and methylene blue by engineered graphite oxide coated sand in fixed-bed column. Authors: Gong, J.-L., Zhang, Y.-L., Jiang, Y., Deng, J.-H., Huan, S.-Y. Source: **Applied Surface Science**, **2015**, 330, pp. 148-157. ISSN: 0169-4332. Impact factor: **2.538** (2013).
- [10] Title: Treatment of metal wastewater in pilot-scale packed bed systems: efficiency of single- vs. mixed-mushrooms. Authors: Yunchuan Long, Qiao Li, Jiangxia Ni, Fei Xu and Heng Xu. Source: **RSC Advances**, **2015**, 5, 29145-29152. DOI: 10.1039/C5RA02409A. First published online 18 Mar **2015**, Issue 37, **2015**. web: <http://pubs.rsc.org/en/journals>. Impact factor: **3.708** (2013).
- [11] Title: Adsorption of phosphate from aqueous solutions and sewage using zirconium loaded okara (ZLO): Fixed-bed column study. Authors: Nguyen, A. H.; Ngo, H. H.; Guo, W.



Lucrarea citată:

Bulgariu L., Bulgariu D. (2013). Selective extraction of Hg(II), Cd(II) and Zn(II) ions from aqueous media by a green chemistry procedure using aqueous two-phase systems. **Separation and Purification Technology**, 118, p. 209-216.

Citată în:

- [1] Title: Optimization of separation and determination of chloramphenicol in food using aqueous two-phase flotation coupled with HPLC. Authors: Han, Juan; Wang, Yun; Luo, Lijun; et al. Source: **JOURNAL OF THE IRANIAN CHEMICAL SOCIETY**, Volume: 11, Issue: 6, Pages: 1775-1782, Published: DEC 2014. ISSN: 1735-207X. Impact factor: **1.406** (2013).
- [2] Title: Minimum amount of extracting solvent of two-component extraction separation in a complex feeding pattern. Authors: Cheng, F.-X., Wu, S., Zhang, B., Liu, Y., Wang, S.-L., Liao, C.-S., Yan, C.-H. Source: **Separation and Purification Technology**, Volume 142, 4 March 2015. Pages 162-167. ISSN: 1383-5866. Impact factor: **3.065** (2013).

Lucrarea citată:

Bulgariu L., Bulgariu D. (2008). The influence of phase-forming salt on Cd(II) extraction in aqueous PEG-based two-phase systems. **Revue Roumaine de Chimie**, 53 (2), p. 141-147.

Citată în:

- [1] Title: Three-liquid-phase partition behaviors of Pt(IV), Pd(II) and Rh(III): Influences of phase-forming components. Author(s): Yu Pinhua; Huang Kun; Liu Huizhou; et al. Source: **SEPARATION AND PURIFICATION TECHNOLOGY** Volume: 88. Pages: 52-60. DOI: 10.1016/j.seppur.2011.12.015. Published: MAR 22 2012. web: <http://www.journals.elsevier.com/>. ISSN: 1383-5866. Impact factor: **2.894** (2011).
- [2] Title: Light, Middle, and Heavy Rare-Earth Group Separation: A New Approach via a Liquid-Liquid-Liquid Three-Phase System. Author(s): Sui, Na; Huang, Kun; Zhang, Chao; et al. Source: **INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH** Volume: 52 Issue: 17 Pages: 5997-6008 DOI: 10.1021/ie4002553 Published: MAY 1 2013. ISSN: 0888-5885. web: <http://pubs.acs.org/journal/iecred>. Factor de impact: **2.235** (2013).

Lucrarea citată:

Bulgariu L., Rătoi M., Bulgariu D., Macoveanu M. (2008). Equilibrium study of Pb(II) and Hg(II) sorption from aqueous solutions by moss peat. **Environmental Engineering and Management Journal** 7(5), p. 511-516.

Citată în:

- [1] Title: Synthesis and application of a highly efficient tetraester calix[4]arene based resin for the removal of Pb<sup>2+</sup> from aqueous environment. Author(s): Solangi Imam Bakhsh; Memon Shahabuddin; Bhanger M. I. Source: **ANALYTICA CHIMICA ACTA** Volume: 638. Issue: 2. Pages: 146-153. DOI: 10.1016/j.aca.2009.02.026 Published: APR 13 2009. ISSN: 0003-2670. web: <http://www.journals.elsevier.com/>. Impact factor: **3.757** (2009).
- [2] Title: Thermodynamic and kinetic studies for the adsorption of Hg(II) by nano-TiO<sub>2</sub> from aqueous solution. Author(s): Ghasemi Zinab; Seif Ahmad; Ahmadi Temer S.; et al. Source: **ADVANCED POWDER TECHNOLOGY** Volume: 23. Issue: 2. Pages: 148-156. DOI: 10.1016 / j.japt.2011.01.004. Published: MAR 2012. web: <http://www.journals.elsevier.com/advanced-powder-technology/>. ISSN: 0921-8831. Impact factor: **1.500** (2012).
- [3] Title: Removal of metal ions from multi-component mixture using natural lignite. Author(s): Doskocil Leos; Pekar Miloslav. Source: **FUEL PROCESSING TECHNOLOGY** Volume: 101. Pages: 29-34. DOI: 10.1016/j.fuproc.2012.02.010 Published: SEP 2012. ISSN: 0378-3820. web: <http://www.journals.elsevier.com/fuel-processing-technology/>. Impact factor: **2.816** (2012).
- [4] Title: Removal of Hg(II) and CH<sub>3</sub>Hg(I) Using Rasped Pith Sago Residue Biosorbent. Authors: Saman, Norasikin; Johari, Khairirahanna; Tien, Song Shiow; et al. Source: **CLEAN-SOIL AIR WATER**, Volume: 42, Issue: 11, Pages: 1541-1548, Published: NOV 2014. ISSN: 1863-0650. Impact factor: **1.838** (2013).

Lucrarea citată:

Bulgariu L., Bulgariu D. (2009). Use aqueous PEG-inorganic salt two-phase systems for Bi(III) extraction in the presence of inorganic extractants. **Studia Universitatis Babes-Bolyai Chimia** 54(2), p. 273-284.

Citată în:

- [1] Title: Emulsion liquid membrane for selective extraction of Bi(III). Authors: Bahram Mokhtari, Kobra Pourabdollah. Source: **Chinese Journal of Chemical Engineering**, Available 8 November 2014. <http://www.journals.elsevier.com/>. ISSN: 1004-9541. Factor de impact: **0.872** (2013).

Lucrarea citată:

Pavel V.L., Bulgariu D., Bulgariu L., Hlihor R.M., Gavrilescu M. (2009). Studies on sorption and transport processes of cadmium in soils. **Environmental Engineering and Management Journal**, 8(6), p. 1315-1320.

Citată în:

- [1] Title: Estimation of the mean distance of closest approach of some heavy metal ions in aqueous solutions: some experimental and theoretical calculations. Author(s): Ribeiro Ana C.F.; Rita Marigese B.B.J.; Sobral Abilio J.F.N.; et al. Source: **MOLECULAR SIMULATION** Volume: 37. Issue: 6. Pages: 510-514. DOI: 10.1080/08927022.2011.555484. Published: 2011. web: <http://www.tandfonline.com/>. ISSN: 0892-7022. Impact factor: **1.328** (2011).

Lucrarea citată:

Căliman F.A., Apostol L.C., Bulgariu D., Bulgariu L., Gavrilescu M. (2009). Influence of soil particle size onto sorption of tatrazone from aqueous solutions. **Environmental Engineering and Management Journal**, 8(5), p. 1081-1087.

Citată în:

- [1] Title: Chemicals and Allied Products. Authors: By:Hung, YT (Hung, Yung-Tse); Butler, E (Butler, Erick); Kuo, CY (Kuo, Chin Y.); Yeh, RYL (Yeh, Ruth Yu-Li). Source: **WATER ENVIRONMENT RESEARCH** Volume: 82 Issue: 10 Pages: 1448-1467 Published: OCT 2010. ISSN: 1061-4303. DOI: 10.2175/106143010X12756668801419. web: <http://www.wef.org/wer/>. Impact factor: **0.890** (2010).

Lucrarea citată:

Smaranda C., Bulgariu D., Gavrilescu M. (2009). An investigation of the sorption of Acid Orange 7 from aqueous solution onto soil. **Environmental Engineering and Management Journal**, 8(6), p. 1391-1402.

Citată în:

- [1] Title: Efficient removal of Acid Orange 7 dye from water using the strongly basic anion exchange resin Amberlite IRA-958. Author(s): Greluk Magdalena; Hubicki Zbigniew. Source: **DESALINATION** Volume: 278. Issue: 1-3. Pages: 219-226. DOI: 10.1016/j.desal.2011.05.024. Published: SEP 1 2011. web: <http://www.journals.elsevier.com/>. ISSN: 0011-9164. Impact factor: **2.590** (2011).
- [2] Title: Optimization of Cl Acid black 1 biosorption by *Cystoseira indica* and *Gracilaria persica* biomasses from aqueous solutions. Author(s): Kousha M.; Daneshvar E.; Sohrabi M. S.; et al. Source: **INTERNATIONAL BIODETERIORATION & BIODEGRADATION** Volume: 67. Pages: 56-63. DOI: 10.1016/j.ibiod.2011.10.007. Published: FEB 2012. ISSN: 0964-8305. web: <http://www.journals.elsevier.com/international-biodegradation-and-biodegradation/>. Impact factor: **2.059** (2012).
- [3] Title: Adsorption of acid orange II dye by raw and chemically modified brown macroalga *Stoechospermum marginatum*. Author(s): Kousha Masoud; Daneshvar Ehsan; Sohrabi Mohammad Salar; et al. Source: **CHEMICAL ENGINEERING JOURNAL** Volume: 192. Pages: 67-76. DOI: 10.1016/j.cej.2012.03.057. Published: JUN 1 2012. ISSN: 1385-8947. web: <http://www.journals.elsevier.com/chemical-engineering-journal/>. Impact factor: **3.473** (2012).
- [4] Title: Biosorption of three acid dyes by the brown macroalga *Stoechospermum marginatum*: Isotherm, kinetic and thermodynamic studies Author(s): Daneshvar Ehsan; Kousha Masoud; Sohrabi Mohammad Salar; et al. Source: **CHEMICAL ENGINEERING JOURNAL** Volume: 195-196. Pages: 297-306. DOI: 10.1016/j.cej.2012.04.074. Published: JUL 1 2012. ISSN: 1385-8947. web: <http://www.journals.elsevier.com/chemical-engineering-journal/>. Impact factor: **3.473** (2013).
- [5] Title: Film-pore diffusion modeling for sorption of azo dye on to exfoliated graphitic nanoplatelets. Authors: Maiyalagan, T., Karthikeyan, S. Source: **Indian Journal of Chemical Technology** Volume 20, Issue 1, January 2013, Pages 7-14. ISSN: 0975-0991. web: <http://www.niscair.res.in/sciencecommunication/researchjournals/rejour/jct/ijct0.asp>. Impact factor: **0.580** (2013).
- [6] Title: Biosorption of hexavalent chromium from aqueous solution by six brown macroalgae. Authors: N. Koutahzadeha, E. Daneshvarb, M. Koushab, M.S. Sohrabia, A. Bhatnagar. Source: **Desalination and Water Treatment**, Volume: 51 Issue: 31-33 Pages: 6021-6030 DOI: 10.1080/19443994.2013.764353 Published: SEP 1 2013. web: <http://www.tandfonline.com/>. ISSN: 1944-3994. Impact factor: **0.987** (2013).

Lucrarea citată:

Smaranda C., Bulgariu D., Gavrilescu M. (2010). Equilibrium and kinetic studies of acid dye sorption onto soils from Iasi area. **Environmental Engineering and Management Journal** 9(1), p. 57-66.

Citată în:

- [1] Title: COMPARISON OF REQUIREMENTS FOR ENVIRONMENTAL PROTECTION AND A MODEL FOR EVALUATING CONTAMINATED SITES IN LITHUANIA. Author(s): Vasarevicius, Saulius; Kadunas, Kestutis; Baltreinaite, Edita. Source: **TECHNOLOGICAL AND ECONOMIC DEVELOPMENT OF ECONOMY** Volume: 19 Issue: 1 Pages: 63-77

Published: **MAR 2013**. web: <http://www.tandfonline.com/>. ISSN: 2029-4913. DOI: 10.3846/20294913.2012.762954. Impact factor: **2.818** (2013).  
**[2]** Title: Natural Iraqi palygorskite clay as low cost adsorbent for the treatment of dye containing industrial wastewater. Authors: Taha D.N., Samaka I.S. Source: **Journal of Oleo Science** Volume 61, Issue 12, **2012**, Pages 729-736. ISSN: 1347-3352. web: <https://www.jstage.jst.go.jp/>. Impact factor: **1.420** (2012).

**Lucrarea citată:**

Pavel L.V., Diaconu M., **Bulgariu D.**, Stătescu F., Gavrilăscu M. (2012). Evaluation of heavy metals toxicity on two microbial strains isolated from soil: Azotobacter sp. AND Pichia sp. **Environmental Engineering and Management Journal**, 11(1), p. 165–168.

**Citată în:**

**[1]** Title: Isolation and Molecular Characterization of Heavy Metal-Resistant Azotobacter chroococcum from Agricultural Soil and Their Potential Application in Bioremediation. Authors: Abo-Amer, Aly E.; Abu-Gharbia, Magdy A.; Soltan, El-Sayed M.; et al. Source: **GEOMICROBIOLOGY JOURNAL**, Volume: 31, Issue: 7, Pages: 551-561, Published: **2014**. Impact factor: **1.804** (2013).

**Lucrarea citată:**

Bulgariu L., Lupea M., **Bulgariu D.**, Rusu C., Macoveanu M. (2013). Equilibrium study of Pb(II) and Cd(II) biosorption from aqueous solution on marine green algae biomass. **Environmental Engineering and Management Journal**, 12(1), (2013), 183-190.

**Citată în:**

**[1]** Title: Experimental analysis and mathematical prediction of Cd(II) removal by biosorption using support vector machines and genetic algorithms. Authors: Raluca Maria Hlihor, Mariana Diaconu, Florin Leon, Silvia Curteanu, Teresa Tavares, Maria Gavrilăscu. Source: **New Biotechnology**, Available online 16 September **2014**. ISSN: 1871-6784. web: <http://www.journals.elsevier.com/new-biotechnology>. Impact factor: **2.106** (2013).

**Lucrarea citată:**

Bulgariu L., **Bulgariu D.** (2014). Enhancing biosorption characteristics of marine green alga (Ulva lactuca) for heavy metals removal by alkaline treatment. **Journal of Bioprocessing & Biotechniques**, 4(1), p. 2-8.

**Citată în:**

**[1]** Title: Synthesis of polyaniline/TiO<sub>2</sub> composite with excellent adsorption performance on acid red G. Authors: Ning Wang, Jingjing Li, Wei Lv, Jiangtao Feng and Wei Yan. **RSC Advances**. **2015**, 5, 21132-21141, DOI: 10.1039/C4RA16910G, First published online 16 Feb 2015. Impact factor: **3.708** (2013).  
**[2]** Title: Application of Raw and Alkaline-modified Coconut Shaft as a Biosorbent for Pb<sup>2+</sup> Removal. Authors: Edwin Andrew Ofudje, Olubunmi Kolawole Akiode, Gabriel Opeoluwa Oladipo, Adebisayo Emmanuel Adedapo, Lateefah Olanike Adebayo, Ayodeji Olushola Awotula, Source: **BioResources**, Vol 10, No 2 (**2015**), pages: 3462-2480; Web: <http://www.ncsu.edu/bioresources/index.htm>. ISSN: 1930-2126. Impact factor: **1,549** / 2013.

## **A.3-2. Citări în reviste web of science (ISI Thomson Reuters) naționale**

Total citări: **81** (Articole citate: 20)

**Lucrarea citată:**

Smaranda C., Gavrilăscu M., **Bulgariu D.** (2011). Studies on Sorption of Congo Red from Aqueous Solution onto Soil. **International Journal of Environmental Research**, 5(1), p. 177-188.

**Citată în:**

**[1]** Title: SYNTHESIS OF NANOCRYSTALLINE ZnFe<sub>2</sub>O<sub>4</sub> AND ITS USE FOR THE REMOVAL OF CONGO RED FROM AQUEOUS SOLUTIONS. Authors: Muntean, Cornelia; Stoia, Marcela; Barvinschi, Paul. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 12 Issue: 5 Pages: 959-967 Published: MAY **2013**. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: **1.258** (2013).  
**[2]** Title: FAST AND ECONOMICALLY VIABLE REMOVAL OF A CATIONIC DYE FROM AQUEOUS SOLUTIONS: KINETIC AND EQUILIBRIUM MODELLING. Authors: Banerjee, S (Banerjee, Sushmita); Uma (Uma) ; Chattopadhyaya, MC (Chattopadhyaya, Mahesh Chandra); Sharma, YC (Sharma, Yogesh C.). Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL**, Volume: 12, Issue: 11, Pages: 2183-2190, Published: NOV **2013**. ISSN: 1582-9596. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. Impact factor: **1.258** (2013).  
**[3]** Title: STUDY ON THE REMOVAL CHARACTERISTIC OF ACID VIOLET DYE FROM SYNTHETIC WASTEWATER USING A NOVEL RHA/PFA/CFA SORBENT. Authors: Dahlan, Irvan; Mohamed Noor, Ahmad Shahril Source: **Environmental Engineering & Management Journal (EEMJ)** Jan **2014**, Vol. 13 Issue 1, p197-204. 8p. ISSN: 1582-9596. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. Impact factor: **1.258** (2013).

**Lucrarea citată:**

**Bulgariu D.**, Juravle D., Bulgariu L., Macoveanu M., Rusu C. (2008). Distribution and migration of chrome in urban soils - Case study: Iasi City (industrial zone). **Environmental Engineering and Management Journal**, 7 (3), p. 277-288.

**Citată în:**

**[1]** Title: REMOVAL OF Cr(VI) FROM SIMULATED ELECTROPLATING WASTEWATER BY MAGNETITE NANOPARTICLES. Author(s): Amin Mohammad Mehdi; Khodabakhshi Abbas; Mozafari Morteza; et al. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 9. Issue: 7. Pages: 921-927. Published: JUL **2010**. ISSN: 1582-9596. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. Impact factor: **1.435** (2010).  
**[2]** Title: MICROBIAL FUEL CELLS - AN OPTION FOR WASTEWATER TREATMENT. Author(s): Duteanu Narcis Mihai; Ghangrekar Makarand Madhao; Erable Benjamin; et al. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 9. Issue: 8. Pages: 1069-1087. Published: AUG **2010**. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: **1.435** (2010).  
**[3]** Title: Research on soil properties conservation during the preparation of germination beds in greenhouses (Conference Paper ). Authors: Brătucu G., Păunescu C. Source: **Environmental Engineering and Management Journal** Volume 9, Issue 12, December **2010**, Pages 1693-1697. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: **1.435** (2010).

**Lucrarea citată:**

Robu B., Bulgariu L., **Bulgariu D.**, Macoveanu M. (2008). Quantification of impact and risk induced in surface water by heavy metals: Case study - Bahlui River Iasi. **Environmental Engineering and Management Journal** 7 (3), p. 263-267.

**Citată în:**

**[1]** Title: STUDY ON REMOVAL OF CADMIUM FROM AQUEOUS SOLUTIONS BY ADSORPTION ON BAELE TREE LEAF POWDER. Author(s): Senthilkumar Ponnusamy; Gayathri Rangasamy. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL**. Volume: 9. Issue: 3. Special Issue: SI Pages: 429-433. Published: MAR **2010**. ISSN: 1582-9596. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. Impact factor: **1.435** (2010).  
**[2]** Title: RISK ASSESSMENT OF MARINE OIL SPILLS. Author(s): Gasparotti Carmen. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Vol. 9. Issue: 4. Pages: 527-534. Published: APR **2010**. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: **1.435** (2010).  
**[3]** Title: EVALUATING ENVIRONMENTAL IMPACT OF NIGERIAN COMPOSTED WASTES USING LABORATORY EXTRACTION TEST. Author(s): Adekunle Iheoma Mary. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 9. Issue: 5. Pages: 721-729. Published: MAY **2010**. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: **1.435** (2010).  
**[4]** Title: THE ENVIRONMENTAL DIMENSION - AN INTERDISCIPLINARY RESEARCH AREA. Author(s): Ioan Carmen Catalina; Carcea Maria Ileana. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 9. Issue: 5. Pages: 735-741. Published: MAY **2010**. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: **1.435** (2010).  
**[5]** Title: ADSORPTION EQUILIBRIUM STUDIES ON COPPER (II) IONS REMOVAL BY NATURAL WASTE USING NON-LINEAR APPROACH. Author(s): SenthilKumar Ponnusamy; Sathiyaselvabala Vasanthakumar; Selvaraj Dinesh Kirupha; et al. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 10. Issue: 2. Pages: 285-295. Published: FEB **2011**. ISSN: 1582-9596. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. Impact factor: **1.004** (2011).  
**[6]** Title: USE OF D2EHPA-IMPREGNATED XAD7 RESIN FOR THE REMOVAL OF Cd(II) AND Zn(II) FROM AQUEOUS SOLUTIONS. Author(s): Ciopec Mihaela; Davidescu Corneliu; Negrea Adina; et al. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 10. Issue: 10. Pages: 1597-1608. Published: OCT **2011**. ISSN: 1582-9596. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. Impact factor: **1.004** (2011).  
**[7]** Title: DEVELOPMENT OF AN EXPERT SYSTEM FOR SURFACE WATER QUALITY MONITORING IN THE CONTEXT OF SUSTAINABLE MANAGEMENT OF WATER RESOURCES. Authors: Cretescu, I (Cretescu, Igor); Craciun, I (Craciun, Ioan); Benchea, RE (Benchea, Roxana Elena); Kovacs, Z (Kovacs, Zsofia); Iavorschi, A (Iavorschi, Anatolie); Sontea, V (Sontea, Victor); Macoveanu, M (Macoveanu, Matei). Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 12 Issue: 8 Pages: 1721-1734 Published: AUG **2013**. ISSN: 1582-9596. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. Impact factor: **1.258** (2013).  
**[8]** Title: MUNICIPAL SOLID WASTE MANAGEMENT AND TREATMENT OF EFFLUENTS RESULTING FROM THEIR LANDFILLING. Source: Schiopu, AM (Schiopu, Ana-Maria); Ghinea, C (Ghinea, Cristina). Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 12 Issue: 8 Pages: 1699-1719 Published: AUG **2013**. ISSN:

**Lucrarea citată:**

Bulgariu L., Răţoi M., **Bulgariu D.**, Macoveanu M. (2008). Equilibrium study of Pb(II) and Hg(II) sorption from aqueous solutions by moss peat. **Environmental Engineering and Management Journal** 7(5), p. 511-516.

**Citată în:**

- [1] Title: Sorption of Hg<sup>2+</sup> and Pb<sup>2+</sup> Ions from Aqueous Solutions on Corn Cobs Biomaterials. Author(s): Stefan Daniela Sumina; Belcu Mihai; Stefan Mircea; et al. Source: **REVISTA DE CHIMIE** Volume: 61. Issue: 1. Pages: 31-35. Published: JAN 2010. ISSN: 0034-7752. web: [www.revistadechimie.ro](http://www.revistadechimie.ro). Impact factor: **0.693** (2010).
- [2] Title: STUDY ON REMOVAL OF CADMIUM FROM AQUEOUS SOLUTIONS BY ADSORPTION ON BAELE TREE LEAF POWDER. Author(s): Senthilkumar Ponnusamy; Gayathri Rangasamy. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 9. Issue: 3. Special Issue: SI. Pages: 429-433. Published: MAR 2010. ISSN: 1582-9596. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. Impact factor: **1.435** (2010).
- [3] Title: MERCURY REMOVAL BY SOME SOILS OF JAPAN FROM AQUATIC ENVIRONMENT. Author(s): Bhakta Jatindra Nath; Muneke Yukihiro. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 9. Issue: 4. Pages: 503-510. Published: APR 2010. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: **1.435** (2010).
- [4] Title: ADSORPTION EQUILIBRIUM STUDIES ON COPPER (II) IONS REMOVAL BY NATURAL WASTE USING NON-LINEAR APPROACH. Author(s): Senthil Kumar Ponnusamy; Sathiyaselvabala Vasanthakumar; Selvaraj Dinesh Kirupha; et al. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 10. Issue: 2. Pages: 285-295. Published: FEB 2011. ISSN: 1582-9596. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. Impact factor: **1.004** (2011).
- [5] Title: LEAD (II) BIOSORPTION BY A METAL TOLERANT STREPTOMYCES STRAIN. Author(s): Betul Karaduman Ayse; Yamac Mustafa; Pat Zerrin; et al. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 10. Issue: 11. Pages: 1761-1771. Published: NOV 2011. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: **1.004** (2011).
- [6] Title: Biosorption of zinc from aqueous solutions using dried activated sludge. Authors: Katal R., Zare H., Rahmati H.T., Darzi G.N. Source: **Environmental Engineering and Management Journal** Volume 11, Issue 4, April 2012, Pages 857-865. ISSN: 1582-9596. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. Impact factor: **1.117** (2012).
- [7] Title: BIOSORPTION OF METHYLENE BLUE ONTO FOUMANAT TEA WASTE: EQUILIBRIUM AND THERMODYNAMIC STUDIES. Authors: Ebrahimian, A.; Saberikhan, E. (Saberikhan, E.). Source: **CELLULOSE CHEMISTRY AND TECHNOLOGY** Volume: 47 Issue: 7-8 Pages: 657-666 Published: JUL-AUG 2013. web: <http://www.cellulosechemtechnol.ro/>. ISSN: 0576-9787. Impact factor: **0.833** (2013).
- [8] Title: STUDY OF BIOSORPTION PARAMETERS: ISOTHERM, KINETICS AND THERMODYNAMICS OF BASIC BLUE 9 BIOSORPTION ONTO FOUMANAT TEA WASTE. Authors: Ebrahimian, A.; Saberikhan, E.; Emami, M. S.; et al. Source: **CELLULOSE CHEMISTRY AND TECHNOLOGY**, Volume: 48, Issue: 7-8, Pages: 735-743, Published: JUL-AUG 2014. ISSN: 0576-9787. Impact factor: **0.833** (2013).
- [9] Title: STUDY OF Cd (II) AND Cr (VI) BIOSORPTION BY MESOCARPS OF ORANGE AND SOUR ORANGE FROM AQUEOUS SOLUTIONS. Authors: Zazouli, Mohammad Ali; Ebrahimi, Pouneh; Ardebiliani, Maryam Bagheri. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL**, Volume: 13, Issue: 2, Pages: 345-351, Published: FEB 2014. ISSN: 1582-9596. Impact factor **1.258** (2013).
- [10] Title: REMOVAL OF As(III) AND As(V) FROM AQUEOUS SOLUTION USING MODIFIED SOLID WASTE VEGETABLE OIL INDUSTRY AS A NATURAL ADSORBENT. Authors: Jaafarzadeh, Nemat; Ahmadi, Mehdi; Silva Martinez, Susana; et al. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL**, Volume: 13, Issue: 2, Pages: 369-377, Published: FEB 2014 ISSN: 1582-9596. Impact factor **1.258** (2013).

**Lucrarea citată:**

Bulgariu L., Răţoi M., **Bulgariu D.**, Macoveanu M. (2009). The sorption of lead(II) ions from aqueous solutions on peat: kinetics study. **Environmental Engineering and Management Journal**, 8(2), p 289-295.

**Citată în:**

- [1] Title: STUDY ON REMOVAL OF CADMIUM FROM AQUEOUS SOLUTIONS BY ADSORPTION ON BAELE TREE LEAF POWDER. Author(s): Senthilkumar Ponnusamy; Gayathri Rangasamy. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL**. Volume: 9. Issue: 3. Special Issue: SI. Pages: 429-433. Published: MAR 2010. ISSN: 1582-9596. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. Impact factor: **1.435** (2010).
- [2] Title: CHEMICAL OXIDATION OF TREATED TEXTILE EFFLUENT BY HYDROGEN PEROXIDE AND FENTON PROCESS. Author(s): Aziz Hamidi Abdul; Noor Marniyanti Mamat; Omran Abdelnaser. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 9. Issue: 3. Special Issue: SI. Pages: 351-360. Published: MAR 2010. ISSN: 1582-9596. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. Impact factor: **1.435** (2010).
- [3] Title: MERCURY REMOVAL BY SOME SOILS OF JAPAN FROM AQUATIC ENVIRONMENT. Author(s): Bhakta Jatindra Nath; Muneke Yukihiro. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 9. Issue: 4. Pages: 503-510. Published: APR 2010. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: **1.435** (2010).
- [4] Title: MASS TRANSFER KINETICS AT WATER VAPOR SEPARATION FROM AIR BY ADSORPTION. Author(s): Petrescu Stelian; Horoba Liliana Doina; Horoba Cristian. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 9. Issue: 5. Pages: 703-708. Published: MAY 2010. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: **1.435** (2010).
- [5] Title: ADSORPTION EQUILIBRIUM STUDIES ON COPPER (II) IONS REMOVAL BY NATURAL WASTE USING NON-LINEAR APPROACH. Author(s): Senthil Kumar Ponnusamy; Sathiyaselvabala Vasanthakumar; Selvaraj Dinesh Kirupha; et al. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 10. Issue: 2. Pages: 285-295. Published: FEB 2011. ISSN: 1582-9596. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. Impact factor: **1.004** (2011).

**Lucrarea citată:**

Pavel V.L., **Bulgariu D.**, Bulgariu L., Hlihor R.M., Gavrilescu M. (2009). Studies on sorption and transport processes of cadmium in soils. **Environmental Engineering and Management Journal**, 8(6), p. 1315-1320.

**Citată în:**

- [1] Title: ENVIRONMENTAL AND SOCIAL INTERVENTION STRATEGIES IN LEAD EXPOSURE IN CHILDREN. Author(s): Lupu Corina; Rugina Corina; Neagu Maria-Cristina; et al. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 10. Issue: 1. Pages: 31-36. Published: JAN 2011. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: **1.004** (2011). Număr autori: 5.

**Lucrarea citată:**

Căliman F.A., Apostol L.C., **Bulgariu D.**, Bulgariu L., Gavrilescu M. (2009). Study regarding the sorption of erythrosine from aqueous solution onto soil. **Environmental Engineering and Management Journal**, 8(6), p. 1339-1346.

**Citată în:**

- [1] Title: AEROBIC SEQUENCING BATCH REACTOR SYSTEM WITH GRANULAR ACTIVATED CARBON FOR THE TREATMENT OF WASTEWATER CONTAINING A REACTIVE DYE. Author(s): Vaigan Amir Asadi; Moghaddam Mohammad Reza Alavi; Hashemi Hossein. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 9 Issue: 3 Special Issue: SI Pages: 407-411 Published: MAR 2010. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: **1.435** (2010).
- [2] Title: INFLUENCE OF THE Nocardia sp. C-14-1 REMEDIATION ON THE GROWTH OF POTTED PLANTS IN CONTAMINATED SOIL AND ON MICROORGANISM BIODIVERSITY. Author(s): Ma Hai-Juan; Li Guang-Ming; Zhang Ya-Lei; et al. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 10. Issue: 7. Pages: 937-943. Published: JUL 2011. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: **1.004** (2011).

**Lucrarea citată:**

Căliman F.A., Apostol L.C., **Bulgariu D.**, Bulgariu L., Gavrilescu M. (2009). Influence of soil particle size onto sorption of tetracycline from aqueous solutions. **Environmental Engineering and Management Journal**, 8(5), p. 1081-1087.

**Citată în:**

- [1] Title: AEROBIC SEQUENCING BATCH REACTOR SYSTEM WITH GRANULAR ACTIVATED CARBON FOR THE TREATMENT OF WASTEWATER CONTAINING A REACTIVE DYE. Author(s): Vaigan Amir Asadi; Moghaddam Mohammad Reza Alavi; Hashemi Hossein. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 9. Issue: 3. Special Issue: SI. Pages: 407-411. Published: MAR 2010. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: **1.435** (2010).
- [2] Title: RECYCLE OF POLYAMIDE DYEING WASTEWATER FOLLOWING DECOLORIZATION WITH POLYMERIC SORBENTS. Authors: Berteau, A (Berteau, Anora); Dulman, V (Dulman, Viorica); Berteau, AP (Berteau, Andrei-Petru); Bunia, I (Bunia, Ion). Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 10 Issue: 2. Pages: 305-310 Published: FEB 2011 View Journal Information Conference Conference: 1st International Conference Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences Location: Brasov, ROMANIA Date: JUN 18-20, 2010. ISSN: 1582-9596. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. Impact factor: **1.435** (2010).

**Lucrarea citată:**

Smaranda C., **Bulgariu D.**, Gavrilescu M. (2009). An investigation of the sorption of Acid Orange 7 from aqueous solution onto soil. **Environmental Engineering and Management Journal**, 8(6), p. 1391-1402.

Citată în:

- [1] Title: CHEMICAL OXIDATION OF TREATED TEXTILE EFFLUENT BY HYDROGEN PEROXIDE AND FENTON PROCESS. Author(s): Aziz Hamidi Abdul; Noor Marniyanti Mamat; Omran Abdelnaser. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 9. Issue: 3. Special Issue: SI. Pages: 351-360. Published: MAR 2010. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: **1.435** (2010).
- [2] Title: AEROBIC SEQUENCING BATCH REACTOR SYSTEM WITH GRANULAR ACTIVATED CARBON FOR THE TREATMENT OF WASTEWATER CONTAINING A REACTIVE DYE. Author(s): Vaigan Amir Asadi; Moghaddam Mohammad Reza Alavi; Hashemi Hossein. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 9. Issue: 3. Special Issue: SI. Pages: 407-411. Published: MAR 2010. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: **1.435** (2010).
- [3] Title: THE EQUILIBRIUM AND KINETICS STUDIES OF CRYSTAL VIOLET ADSORPTION ONTO MONTMORILLONITE. Author(s): Geyikci Feza. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 11. Issue: 4. Pages: 733-740. Published: APR 2012. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: **1.117** (2012).
- [4] Title: ADSORPTIVE REMOVAL OF HAZARDOUS METHYLENE BLUE BY FRUIT SHELL OF Cocos nucifera. Authors: Mondal, Pijush Kanti; Ahmad, Rais; Kumar, Rajeev. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL**, Volume: 13, Issue: 2, Pages: 231-240, Published: FEB 2014. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: **1.258** (2013).

Lucrarea citată:

Bulgariu L., **Bulgariu D.**, Macoveanu M. (2010). Kinetics and equilibrium study of nickel (II) removal by use peat moss. **Environmental Engineering and Management Journal**, Vol. 9, No. 5, p. 667-674.

Citată în:

- [1] Title: ADSORPTION OF Pb (II) FROM AQUEOUS SOLUTION ONTO LEWATIT FO36 NANO RESIN: EQUILIBRIUM AND KINETIC STUDIES. Author(s): Ahmadi Mehdi; Teymourari Pari; Setodeh Azra; et al. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 10. Issue: 10. Pages: 1579-1587. Published: OCT 2011. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: **1.004** (2011).
- [2] Title: LEAD (II) BIOSORPTION BY A METAL TOLERANT STREPTOMYCES STRAIN. Author(s): Betul Karaduman Ayse; Yamac Mustafa; Pat Zerrin; et al. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 10. Issue: 11. Pages: 1761-1771. Published: NOV 2011. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: **1.004** / 2011. Impact factor: **1.004** (2011).
- [3] Title: CHARACTERIZATION AND TESTING OF THE MAGHEMITE NANOPARTICLES USED FOR REMOVAL OF HEXAVALENT CHROMIUM FROM AQUEOUS SYNTHETIC SOLUTIONS. Author(s): Matei Ecaterina; Predescu Andra Mihaela; Predescu Andrei; et al. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 10. Issue: 11. Pages: 1711-1717. Published: NOV 2011. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: **1.004** (2011).

Lucrarea citată:

Smaranda C., **Bulgariu D.**, Gavrilescu M. (2010). Equilibrium and kinetic studies of acid dye sorption onto soils from Iasi area. **Environmental Engineering and Management Journal** 9(1), p. 57-66.

Citată în:

- [1] Title: FEASIBILITY STUDY OF SEVERAL CYCLIC ANAEROBIC/AEROBIC CONDITIONS IN SBR SYSTEM FOR TREATING OF SIMULATED DYE (REACTIVE BLUE 19) WASTEWATER. Author(s): Mehrli Shirin; Moghaddam Mohammad Reza Alavi; Hashemi Seyed Hossein. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 11. Issue: 3. Pages: 617-621. Published: MAR 2012. ISSN: 1582-9596. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. Impact factor: **1.117** (2012).
- [2] Title: ADSORPTION OF RY 125 DYE FROM AQUEOUS SOLUTION ON A SILVER DOPED TiO<sub>2</sub> MODIFIED CLINOPTILOLITE. Author(s): Colar Liliana-Andreea; Cocheci Laura; Ilinoiu Elida-Cristina; et al. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 11. Issue: 8. Pages: 1375-1381. Published: AUG 2012. ISSN: 1582-9596. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. Impact factor: **1.117** (2012).
- [3] Title: REMOVAL OF METHYLENE BLUE DYE FROM AQUEOUS SOLUTION USING SEASHELL WASTES AS BIOSORBENT. Author(s): Suteu Daniela; Rusu Lacramioara. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 11. Issue: 11. Pages: 1977-1985. Published: NOV 2012. ISSN: 1582-9596. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. Impact factor: **1.117** (2012).
- [4] Title: BUILDING AN INTEGRATED ENVIRONMENTAL MONITORING SYSTEM FOR HEAVY METALS IN ROMANIAN SOILS: MOLDOVA REGION CASE STUDY. Author(s): Faciu Maria-Ema; Ifrim Irina Loredana; Lazar Gabriel. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 11. Issue: 12. Pages: 2185-2201. Published: DEC 2012. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: **1.117** (2012).
- [5] Title: IN SITU SOIL FLUSHING - STUDIES ON REMEDIATION EFFICIENCY OF POLLUTED SANDY SOILS WITH ORGANIC ACIDS. Author(s): Chitimus Alexandra-Dana; Nedeff Valentin; Mosnegutu Emilian Florin; et al. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 11. Issue: 12. Pages: 2163-2168. Published: DEC 2012. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: **1.117** (2012).
- [6] Title: SYNTHESIS OF NANOCRYSTALLINE ZnFe<sub>2</sub>O<sub>4</sub> AND ITS USE FOR THE REMOVAL OF CONGO RED FROM AQUEOUS SOLUTIONS. Authors: Muntean, Cornelia; Stoia, Marcela; Barvinschi, Paul. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Vol: 12 Issue: 5 Pg: 959-967 Published: MAY 2013. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: **1.258** (2013).
- [7] Title: ADSORPTION OF A BASIC DYE ONTO ESMEGEL CLAY. Authors: Luis, Paula M. S. S.; Cheng, Chia-Yau; Boaventura, Rui A. R., Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL**, Volume: 13, Issue: 2, Pages: 395-405, Published: FEB 2014. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: **1.258** (2013).

Lucrarea citată:

Pavel V.L., **Bulgariu D.**, Bulgariu L., Hlihor R.M., Gavrilescu M. (2010). Analysis of factors determining the behaviour of chromium in some Romanian soils. **Environmental Engineering and Management Journal** 9(1), p. 89-94.

Citată în:

- [1] Title: ADSORPTION OF Cr(VI) ON Fe-Ni MODIFIED BENTONITES. Author(s): Hong Shao; Ning Cao. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 10. Issue: 7. Pages: 875-879. Published: JUL 2011. ISSN: 1582-9596. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. Impact factor: **1.004** (2011).
- [2] Title: STUDIES ON ADSORPTION AND BIODEGRADATION OF CHROMIUM-CONTAINING WASTEWATER BY LABORATORY-SCALE SEQUENCING BATCH REACTOR-POWDERED ACTIVATED CARBON SYSTEM. Author(s): Ong Soon-An; Toorisaka Eiichi; Hirata Makoto; et al. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 10. Issue: 10. Pages: 1425-1432. Published: OCT 2011. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: **1.004** (2011).
- [3] Title: REMOVAL OF Cr(VI) FROM AQUEOUS ENVIRONMENT USING PEAT MOSS: EQUILIBRIUM STUDY. Author(s): Balan Catalin; Volf Irina; Bulai Petru; et al. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 11. Issue: 1. Pages: 21-28. Published: JAN 2012. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: **1.117** (2012).
- [4] Title: BUILDING AN INTEGRATED ENVIRONMENTAL MONITORING SYSTEM FOR HEAVY METALS IN ROMANIAN SOILS: MOLDOVA REGION CASE STUDY. Author(s): Faciu Maria-Ema; Ifrim Irina Loredana; Lazar Gabriel. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Vol. 11. Issue: 12. p. 2185-2201. Published: DEC 2012. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: **1.117** (2012).
- [5] Title: IN SITU SOIL FLUSHING - STUDIES ON REMEDIATION EFFICIENCY OF POLLUTED SANDY SOILS WITH ORGANIC ACIDS. Author(s): Chitimus Alexandra-Dana; Nedeff Valentin; Mosnegutu Emilian Florin; et al. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 11. Issue: 12. Pages: 2163-2168. Published: DEC 2012. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: **1.117** (2012).
- [6] Title: QUANTITATIVE DETERMINATIONS OF CARBON OXIDES IN ATMOSPHERE BY ABSORPTION SPECTRA. Authors: Caraman, Iuliana; Racovet, Oxana; Untila, Dumitru; Evtodiev, Silvia; Stamate, Marius. Source: **Environmental Engineering & Management Journal (EEMJ)** . Dec 2012, Vol. 11 Issue 12, p2159-2162. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: **1.117** (2012).

Lucrarea citată:

Pavel V.L., **Bulgariu D.**, Bulgariu L., Hlihor R.M., Gavrilescu M. (2011). Study of cadmium sorption on some Romanian soils. **Environmental Engineering and Management Journal** 10(3), p. 367-373.

Citată în:

- [1] Title: REMOVAL OF Cd(II) IONS FROM AQUEOUS SOLUTION BY RETENTION ON PINE BARK. Author(s): Tofan Lavinia; Padurarur Carmen; Robu Brindusa; et al. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 11. Issue: 1. Pages: 199-205. Published: JAN 2012. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: **1.117** (2012).
- [2] Title: OPTIMIZATION PROCESS OF CADMIUM AND ZINC REMOVAL FROM SOIL BY PHYTOREMEDIATION USING Brassica napus AND Triticale sp. Author(s): Caraiman (Cojocaru) Paula; Pohontu Corneliu; Soreanu Gabriela; et al. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 11. Issue: 2. Pages: 271-278. Published: FEB 2012. ISSN: 1582-9596. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. Impact factor: **1.117** (2012).

**Lucrarea citată:**

Balaban S.I., Iancu O.G., **Bulgariu D. (2011)**. The geochemical distribution of heavy metals for some mine tailings from the Fundu Moldovei Area, Romania. **Carpathian Journal of Earth and Environmental Sciences**, 6 (2), p. 279-288.

**Citată în:**

- [1] Title: ASSESSING THE HEAVY METAL CONTENT OF SUSPENDED PARTICULATE MATTER AND OF GROUNDWATER OCCURRING IN THE AREA OF THE FUTURE WEAK- AND - MEDIUM RADIOACTIVE WASTE REPOSITORY SALIGNY – ROMANIA. Author(s): Tudorache Alin; Marin Constantin. Source: **CARPATHIAN JOURNAL OF EARTH AND ENVIRONMENTAL SCIENCES** Volume: 7 Issue: 4 Pages: 165-172 Published: NOV 2012. web: <http://www.ubm.ro/sites/CJEES/>. ISSN: 1842-4090. Impact factor: 1.495 (2012).
- [2] Title: THE FLANKS OF THE DEALUL NEGRU TAILINGS POND (FUNDU MOLDOVEI) - POLLUTION RISK FACTORS. Author(s): Stumbea, Dan. Source: **CARPATHIAN JOURNAL OF EARTH AND ENVIRONMENTAL SCIENCES** Volume: 8 Issue: 3 Pages: 103-112 Published: AUG 2013. web: <http://www.ubm.ro/sites/CJEES/>. ISSN: 1842-4090. Impact factor: 0.727 (2013).
- [3] Title: ACID MINE DRAINAGE PREDICTION FOR TAILINGS IN THE BAI A MARE AND SOUTHERN APUSENI MINING AREAS, ROMANIA. Author(s): Levei, Erika; Roman, Marius; Miclean, Mirela; et al. Source: **CARPATHIAN JOURNAL OF EARTH AND ENVIRONMENTAL SCIENCES** Volume: 8 Issue: 3 Pages: 167-174 Published: AUG 2013. web: <http://www.ubm.ro/sites/CJEES/>. ISSN: 1842-4090. Impact factor: 0.727 (2013).

**Lucrarea citată:**

Pavel L.V., Diaconu M., **Bulgariu D.**, Stătescu F., Gavrilăscu M. (2012). Evaluation of heavy metals toxicity on two microbial strains isolated from soil: Azotobacter sp. AND Pichia sp. **Environmental Engineering and Management Journal**, 11(1), p. 165–168.

**Citată în:**

- [1] Title: REMOVAL OF CHROMIUM, COPPER, CADMIUM AND LEAD IONS FROM AQUEOUS SOLUTIONS BY DIATOMACEOUS EARTH. Author(s): Al-Karam Uday F.; de Namor Angela F. Danil; Derwish Ghazi A.W.; et al. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Vol. 11. Issue: 4. Pages: 813-821. Published: APR 2012. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: 1.117 (2012).
- [2] Title: REDUCED UPTAKE OF Cd AND Pb BY Miscanthus sinensis x giganteus CULTIVATED ON POLLUTED SOIL AND ITS USE AS BIOFUEL. Author(s): Barbu, Constantin Horia; Pavel, Petronela Bianca; Sand, Camelia; et al. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Vol. 12 Issue: 2 Pages: 233-236 Published: FEB 2013. ISSN: 1582-9596. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. Impact factor: 1.258 (2013).
- [3] Title: AQUATIC PHYTOTOXICITY OF HEAVY METALS: Cu, Cd AND Zn ECOTOXICOLOGICAL TESTS WITH DUCKWEED PLANTS (Lemna minor). Author(s): Oros, Vasile. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 12 Issue: 2 Pages: 343-350 Published: FEB 2013. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: 1.258 (2013).
- [4] Title: KINETIC STUDY OF HEXAVALENT CHROMIUM REMOVAL FROM WASTEWATERS BY ION EXCHANGE. Authors: Modrojan, Cristina; Apostol, Dumitru Giani; Butucea, Oana Maria Daniela; et al. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 12 Issue: 5 Pages: 929-935 Published: MAY 2013. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: 1.258 (2013).
- [5] Title: Ecological impacts induced by groundwater and their thresholds in the arid areas in Northwest China. Authors: Wang, W., Yang, Z., Kong, J., Cheng, D., Duan, L., Wang, Z. Source: **Environmental Engineering and Management Journal** Volume 12, Issue 7, 2013, Pages 1497-1507. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: 1.258 (2013).
- [6] Title: Reduced uptake of Cd and Pb by Miscanthus sinensis x giganteus cultivated on polluted soil and its use as biofuel. Authors: Barbu, C.H., Pavel, P.B., Sand, C., Pop, M.R. Source: **Environmental Engineering and Management Journal**, Volume 12, Issue 2, 2013, Pages 233-236. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: 1.258 (2013).
- [7] Title: SOLUBILIZATION OF HEAVY METALS IN SLUDGE DURING SONICATION: IMPACT OF SONICATION TIME AND POWER DENSITY. Authors: Wan, Tian; Zhang, Guangming; Gao, Feng; et al. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL**, Volume: 13, Issue: 10, Pages: 2625-2632, Published: OCT 2014.. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: 1.258 (2013).
- [8] Title: MECHANISM OF Cr(VI) BIOACCUMULATION BY Phanerochaete chrysosporium. Authors: Murugavel, Somasundaram; Mohanty, Kaustubha. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL**, Volume: 13, Issue: 2, Pages: 281-287, Published: FEB 2014. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: 1.258 (2013).
- [9] Title: Effects of cadmium and zinc on growth and metal accumulation of Mathiola flava boiss. Authors: Jamali, N., Ghaderian, S.M., Karimi, N. Source: **Environmental Engineering and Management Journal**, 2014, 13 (12), pp. 2937-2944. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: 1.258 (2013).
- [10] Title: INHIBITION OF CARBONIC ANHYDRASE I AND II WITH TOTAL ANTHOCYANINS EXTRACTED FROM SWEET CHERRY CULTIVARS. Authors: Demir, Taki; Gunesli, Zuhail; Sonmez, Fatih; et al. Source: **Environmental Engineering and Management Journal**, Volume: 14, Issue: 4, Pages: 935-941, Published: APR 2015. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: 1.258 (2013).

**Lucrarea citată:**

Bulgariu L., Hlihor R.M., **Bulgariu D.**, Gavrilăscu M. (2012). Sorptive Removal of Cadmium (II) Ions from Aqueous Solution by Mustard Biomass. **Environmental Engineering and Management Journal**, 11 (11), p. 1969 – 1976.

**Citată în:**

- [1] Title: SYMBIOSIS IN THE ENVIRONMENT BIOMANAGEMENT OF SOILS CONTAMINATED WITH HEAVY METALS. Author(s): Pavel, Vasile Lucian; Sobariu, Dana-Luminita; Fertu, Ionela Daniela Tudorache; et al. Source: **EUROPEAN JOURNAL OF SCIENCE AND THEOLOGY** Volume: 9 Issue: 4 Pages: 211-224 Published: AUG 2013. ISSN: 1842 - 8517. web: <http://www.ejst.tuiasi.ro/>. Impact factor: 0.389 (2013).
- [2] Title: MUNICIPAL SOLID WASTE MANAGEMENT AND TREATMENT OF EFFLUENTS RESULTING FROM THEIR LANDFILLING. Authors: Schiopu, AM (Schiopu, Ana-Maria); Ghinea, C (Ghinea, Cristina). Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL** Volume: 12 Issue: 8 Pages: 1699-1719 Published: AUG 2013. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: 1.258 (2013).
- [3] Title: INNOVATIVE BIOSORBENT FOR THE REMOVAL OF CADMIUM IONS FROM WASTEWATER. Authors: Altaher, Hosam; Alghamdi, Ahmad; Omar, Waid. Source: **Environmental Engineering and Management Journal**, Volume: 14, Issue: 4, Pages: 793-800. Published: APR 2015. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: 1.258 (2013).

**Lucrarea citată:**

Bulgariu L., Lupea M., **Bulgariu D.**, Rusu C., Macoveanu M. (2013). Equilibrium study of Pb(II) and Cd(II) biosorption from aqueous solution on marine green algae biomass. **Environmental Engineering and Management Journal**, 12(1), (2013), 183-190.

**Citată în:**

- [1] Title: CONVENTIONAL vs. VACUUM SEWERAGE SYSTEM IN RURAL AREAS - AN ECONOMIC AND ENVIRONMENTAL APPROACH. Authors: Terry, Iulia Carmen Ciobotici; Lazar, Iuliana; Nedeff, Valentin; et al. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL**, Volume: 13, Issue: 8, Pages: 1847-1859, Published: AUG 2014. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: 1.258 (2013).
- [2] Title: EQUILIBRIUM MODELLING OF COPPER IONS BIOSORPTION BY DATE STONES AND PALM-TREES WASTE. Authors: Belala, Zohra; Mechat, Fatiha; Jeguirim, Mejd; et al. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL**, Volume: 13, Issue: 3, Pages: 653-662, Published: MAR 2014. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: 1.258 (2013).
- [3] Title: Optimization of cadmium dissolution from a hazardous waste by statistical design of experiments. Authors: Gharabaghi, M., Irannajad, M., Azadmehr, A.R. Source: **Environmental Engineering and Management Journal**, 2014, 13 (12), pp. 2963-2970. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: 1.258 (2013).
- [4] Title: INNOVATIVE BIOSORBENT FOR THE REMOVAL OF CADMIUM IONS FROM WASTEWATER. Authors: Altaher, Hosam; Alghamdi, Ahmad; Omar, Waid. Source: **Environmental Engineering and Management Journal**, Volume: 14, Issue: 4, Pages: 793-800, Published: APR 2015. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: 1.258 (2013).
- [5] Title: REMOVAL OF Pb(II) AND Cu(II) FROM AQUEOUS SOLUTIONS BY Chlamydomonas reinhardtii: INFRARED AND THERMAL ANALYSIS. Author: Flouty, Roula. Source: **Environmental Engineering and Management Journal**, Volume: 14, Issue: 4, Pages: 871-877, Published: APR 2015. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: 1.258 (2013).
- [6] Title: OPTIMIZATION OF REDUCTION OF COPPER USING Stenotrophomonas maltophilia PD2 BIOMASS AND ARTIFICIAL NEURAL NETWORK MODELING. Authors: Ghosh, Arpita; Das (Saha), Papita; Sinha, Keka. Source: **ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL**, Vol.: 14, Issue: 1, Pages: 37-44. Published: JAN 2015. web: <http://omicron.ch.tuiasi.ro/EEMJ/>. ISSN: 1582-9596. Impact factor: 1.258 (2013).

**Lucrarea citată:**

**Bulgariu D.**, Rusu C., Bulgariu L. (2013). Adsorptive characteristics of histosol modified by simple chemical treatments for Ni(II) removal from aqueous media. **Studia Universitatis**



Babeş-Bolyai, s. *Chemia*, 58, 4, p. 121-136.

Citată în:

- [1] Title: COMPUTATIONAL AND EXPERIMENTAL STUDY ON 7-EPICANDICANDIOL ISOLATED FROM SIDERITIS NIVEOTOMENTOSA HUBER - MORATHII. Authors: Yildiz, Cem Burak; Sagir, Zuleyha Ozer; Kilic, Turgut; et al. Source: **STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA**, Volume: 59, Issue: 2, Pages: 17-32, Published: JUN 2014. ISSN: 1224-7154. Impact factor: **0.136** (2013).

Lucrarea citată:

Bulgariu D., Bulgariu L., Rusu C., Robu B. (2006). Decontamination of Polluted Soils with Heavy Metals by Electrokinetic Methods (I). **Environmental Engineering and Management Journal**, Iași, 5(3), p. 307-318.

Citată în:

- [1] Title: CATHOLYTE-CONDITIONING ENHANCED ELECTROKINETIC REMEDIATION OF Co AND Pb POLLUTED SOIL Mahdi Bahemmat, Mohsen Farahbakhsh. **Environmental Engineering and Management Journal**, January 2015, 14(1), p. 89-96 <http://omicron.ch.tuiasi.ro/EEMJ/>. Impact factor: **1.258** (2013).

Lucrarea citată:

Bulgariu L., Bulgariu D. (2007). Distribution and mobility of cadmium and lead in urban soils – case study: Iași City – Industrial zone. **Scientific Conference „Romanian Agriculture in the EU – Opportunities and perspectives”**, USAMV Iași – Facultatea de Agricultură, 18 October 2007, Iași, România. Book of Abstracts, p. 43.

Citată în:

- [1] Title: LEAD, ZINC AND COPPER IN THE BIOACCUMULATIVE HORIZON OF SOILS FROM IAȘI AND THE SURROUNDING AREAS. Authors: Cristian Vasilică SECU, Ovidiu Gabriel IANCU & Nicolae BUZGAR. Source: **Carpath. J. of Earth and Environmental Sciences**, 2008, Vol. 3, No. 2, p. 131-144. Impact factor: **0.286**.

## Total citări în reviste web of science (ISI Thomson Reuters)

1. Pe întreaga activitate: 269

2. De la ultima promovare (2008-2015): 268

## A.3-3. Citări în reviste BDI

Total citări:

1. Pe întreaga activitate: 65 (articole citate: 16)

2. De la ultima promovare: 64 (articole citate: 15)

Lucrarea citată:

Bulgariu L., Bulgariu D., Sârghe I., Măluțan Th. (2007). Cd(II) Extraction in PEG-based two-phase aqueous systems in the presence of iodide ions. Analysis of PEG-rich solid phases. **Central European Journal of Chemistry**, 5 (1), p. 291-302.

Citată în:

- [1] Title: Three-phase extraction of Zn and Mn from their sulfate solution. Authors: Jin S.-C., Chang Z.-D, Wang K., Hua C., Yu P.-H., Ma Y.-C., Liu H.-Z. Source: **Guocheng Gongcheng Xuebao / The Chinese Journal of Process Engineering** Volume 9, Issue 4, August 2009, Pages 683-688. ISSN: 1009-606X. web: <http://www.scimagojr.com/>.  
[2] Title: Application and Progress of Aqueous Two Phase Extraction Technology. Authors: MA Chun-Hong, ZHU Hong, YAN Yong –Sheng, WANG Liang, WANG Qing –Wei, JIANG Da-Yu. Source: **Chinese Journal of Spectroscopy Laboratory**, 27(5), p. 1906-1914, September, 2010.

Lucrarea citată:

Bulgariu L., Bulgariu D. (2007). The extraction of Zn(II) in aqueous PEG(1550) – (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub> two-phase systems using Cl<sup>-</sup> ions as extracting agent. **Journal of Serbian Chemical Society**, 72(3), p. 289-297.

Citată în:

- [1] Title: Application and Progress of Aqueous Two Phase Extraction Technology. Authors: MA Chun-Hong, ZHU Hong, YAN Yong –Sheng, WANG Liang, WANG Qing –Wei, JIANG Da-Yu. Source: **Chinese Journal of Spectroscopy Laboratory**, Vol. 27, No. 5, p. 1906-1914, Sept. 2010.  
[2] Title: Study on extraction separation and enrichment of germanium in ammonia sulfate-potassium bromide-n-propyl alcohol system. Authors: GUO Peng, SI Xue-zhi, SHI Mengling. Source: **Chinese Journal of Analysis Laboratory**, 2012, 31(1); p. 51-57. doi: 10.3969/j.issn.1000-0720.2012.01.013. ISSN: 1000-0720. web: <http://www.oriprobe.com/journals/fxsys.html>.  
[3] Title: Extraction of Cadmium-Potassium Iodide- Butyl Rhodamine B Ion Association Complex by Alcohol-Ammonium Sulfate Aqueous Two-Phase. Authors: ZENG Yun, QIN Shi-Dong, CHEN Teng, YAO Kang-Kang, WANG Ying. Source: **Chinese Journal of Spectroscopy Laboratory**, 2012, 29(5). p. 2963-2966. ISSN: 1004-8138. web: <http://journalseek.net/cgi-bin/journalseek/journalsearch>.  
[4] Title: Liquid-Liquid Extraction of Metal Ions Using Aqueous Biphasic Systems. Authors: Wadood Taher Mohammed, Ahmed Salih Mahdi. Source: **Journal of Engineering** Number 9 Volume 18, p. 989-998. September 2012. web: [www.thejournalofengineering.org](http://www.thejournalofengineering.org).

Lucrarea citată:

Bulgariu L., Bulgariu D. (2008). Extraction of metal ions in aqueous polyethylene glycol-inorganic salt two-phase systems in the presence of inorganic extractants: Correlation between extraction behaviour and stability constants of extracted species. **Journal of Chromatography A**, 1196-1197 (1-2), p. 117-124.

Citată în:

- [1] Title: Progress and expectation of mechanisms research on liquid-liquid phase extraction and novel three-liquid-phase extraction. Authors: Y.U. Pinhua, Chang Zhidong, J.I.N. Shengchao, Wang Senjian, L.I.U. Huizhou. Source: **Chemical Industry and Engineering Progress**, 2009, 28: 1507-1512. DOI:1000-6613(2009)28:9<1507:yyqjx>2.0.tx;2-I. ISBN: 1000-6613. web: <http://www.airitilibrary.com/>.  
[2] Title: Research on extraction spectrophotometric determination of zinc in aqueous polyethylene glycol two-phase system. Authors: Zhang Xiang-gang, Xiao Xin-feng, Zhang Qiang. Source: **Chemical Research and Application**, vol. 22, no.1, Jan. 2010. ISSN: 1004-1656. web: <http://www.chemistryra.com/EN/volumn/current.shtml>.  
[3] Title: Extraction of Zn (II) and Cu (II) Ions Using PEG (300) - KCl Salt Aqueous Two-Phase Systems. Authors: Saad H. Ammar, Waqar Abdul-Wahid Abdul-Nabi, Musaab Khadem Rasheed. Source: **Al-Khwarizmi Engineering Journal**, Vol. 7, No. 2, pp 68 - 74 (2011). ISSN: 1818-1171. web.: <http://www.iasj.net/iasj>.  
[4] Title: Liquid-Liquid Extraction of Metal Ions Using Aqueous Biphasic Systems. Authors: Wadood Taher Mohammed, Ahmed Salih Mahdi. Source: **Journal of Engineering**, Number 9 Volume 18 September 2012. web: <http://www.coeng.uobaghdad.edu.iq/>. Impact factor: **0,000**. Număr autori: 2.  
[5] Title: Extraction of Cd, Cu, Fe, and Zn metal ions mixture using PEG-inorganic salt aqueous two phase systems in the presence of iodide (KI) and Thiocyanate (KSCN) ions as Extractants. Authors: Saad H. Ammar, Mohammed Sabah Mohammed Yousra Saber Kareem. Source: **Journal of Babylon University / Engineering Sciences / No.(2)/ Vol.(21): 2013**.

Lucrarea citată:

Bulgariu L., Bulgariu D. (2008). Cd(II) extraction in PEG (1550)-(NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub> aqueous two-phase systems using halide extractants. **Journal of the Serbian Chemical Society** 73(3), p. 341-350.

Citată în:

- [1] Title: Extraction of Zn (II) and Cu (II) Ions Using PEG (300) - KCl Salt Aqueous Two-Phase Systems. Authors: Saad H. Ammar, Waqar Abdul-Wahid Abdul-Nabi, Musaab Khadem Rasheed. Source: **Al-Khwarizmi Engineering Journal**, Vol. 7, No. 2, p.p 68-74 (2011). web: <http://www.iasj.net/>. ISSN: 18181171.  
[2] Title: Liquid-Liquid Extraction of Metal Ions Using Aqueous Biphasic Systems. Authors: Wadood Taher Mohammed, Ahmed Salih Mahdi. Source: **Journal of Engineering**, Volume 18, September 2012, Number 9, p. 989-998. web: <http://www.hindawi.com/journals/je/ai/>.

Lucrarea citată:

Bulgariu L., Rățoi M., Bulgariu D., Macoveanu M. (2009). Adsorption potential of mercury(II) from aqueous solutions onto Romanian peat moss. **Journal of Environmental Science and Health, Part A-Toxic Hazardous Substances & Environmental Engineering**, 44(7), p. 700-706.

Citată în:

- [1] Title: Biosorption of mercury from aqueous solutions using highly characterised peats. Authors: A.M. Rizzuti, F.L. Ellis, L.W. Cosme and A.D. Cohen. **Mires and Peat**, Volume 16 (2015), Article 02, 1–7. <http://www.mires-and-peat.net/>, ISSN 1819-754X © 2015 International Mire Conservation Group and International Peat Society.

Lucrarea citată:

Bulgariu L., Bulgariu D., Măluțan Th., Macoveanu M. (2009). Adsorption of Lead(II) Ions from Aqueous Solution onto Lignin. **Adsorption Science & Technology**, 27(4), p. 435-445.

Citată în:

- [1] Title: LIGNINA COMO ADSORBENTE DE METALES PESADOS: REVISIÓN DEL ESTADO DEL ARTE. Authors: Viviana Eloisa Gómez Rengifo, Jorge Alberto Velásquez Jiménez, Germán Camilo Quintana Marín. Source: **Revista Investigaciones Aplicadas**, Vol 7, No 2 (2013). ISSN: 2011-0413. web: <http://revistas.upb.edu.co/index/>.
- [2] Title: Lead (II) Abatement by Pretreated Chitosan Biosorbent. Authors: Rajendra S. Dongre. Source: **International Innovative Journal of Engineering and Sciences**. Vol. 1 Issue 1 2014, p. 19-40. www.chronexus.org/. ISSN: 2319-5967.

#### Lucrarea citată:

Smaranda C., Gavrilescu M., **Bulgariu D.** (2011). Studies on Sorption of Congo Red from Aqueous Solution onto Soil. **International Journal of Environmental Research**, 5(1), p. 177-188.

#### Citată în:

- [1] Title: Removal of Congo Red from Aqueous Solutions with Raphanus Sativus Peels and Activated Carbon: A Comparative study. Authors: A. Abbas, S. Murtaza, M. Munir et al. Source: **American-Eurasian J. Agric. & Environ. Sci.**, 10(5), 802-809, 2011. ISSN: 1818-6769. web: <http://www.idosi.org/aejaes/aejaes.htm>.
- [2] Title: Insights into Congo Red Adsorption on Agro-Industrial Materials - Spectral, Equilibrium, Kinetic, Thermodynamic, Dynamic and Desorption Studies. A Review. Authors: Zvezdelina L. Yaneva, Nedyalka V. Georgieva. Source: **International Review of Chemical Engineering** (I.R.E.C.H.E.), Vol. 4, N. 2, p. 127-146. March 2012. web: <http://www.praiseworthyprize.com/ireche.htm>. ISSN 2035-1755.
- [3] Title: Adsorption of congo red from aqueous solution using powdered eggshell. Authors: Zulfikar, M.A., Setiyanto, H. Source: **International Journal of ChemTech Research** Volume 5, Issue 4, 2013, Pages 1532-1540. web: <http://www.sphinxsai.com/>. ISSN: 0974-4290.
- [4] Title: Application of chemically modified beach sand as low cost efficient adsorbent for dye removal. Authors: Reza Ansari, Ali Mohammad-khah, Mansoureh Nazmi. Source: **Current Chemistry Letters** Vol. 2 Issue 4 pp. 215-223, 2013. web: <http://growing-science.com/>. ISSN: 1927-730x.
- [5] Title: Utilization of Olive Kernel Ash in Removal of RB19 from Synthetic Textile Wastewater. Authors: Behzad Jamshidi, Mohammad Hassan Ehrampoush, Mahboobeh Dehvari. Source: **Journal of Environmental Treatment Techniques** 2013, Volume 1, Issue 3, Pages: 151-157. ISSN: 2309-1185. web: <http://www.jett.dormaj.com>.
- [6] Title: Effect of Alternative Electrolytes on Enhanced Electrokinetic Remediation of Hexavalent Chromium in Clayey Soil. Authors: Saeedi, M., Li, L.Y. and Moradi Gharehtapeh, A. Source: **Int. J. Environ. Res.**, 7(1):39-50, Winter 2013 ISSN: 1735-6865.
- [7] Title: Equilibrium and Kinetic Adsorption Studies of Methyl Orange from Aqueous Solutions Using Kaolinite, Metakaolinite and Activated Geopolymer as Low Cost Adsorbents. Authors: Gaston Fumba, Jean Serge Essomba, Guy Merlain Tagne, Julius Ndi Nsami, Placide Désiré Bélibi Bélibi and Joseph Ketcha Mbadcam. Source: **Journal of Academia and Industrial Research** (JAIR) Volume 3, Issue 4 September 2014. ISSN: 2278-5213.
- [8] Title: Removal of Congo Red Dye Using an Adsorbent Prepared from Martynia annua. Source: L. Seeds V. Sivakumar, M. Asaithambi, P. Sivakumar and N. Gopal. Source: **American Chemical Science Journal** 4(4): 424-442, 2014. ISSN: 2249-0205. SCIENCEDOMAIN international [www.sciencedomain.org](http://www.sciencedomain.org) American Chemical Science Journal.

#### Lucrarea citată:

Bulgariu L., **Bulgariu D.** (2011). Extraction of gold (III) from chloride media in aqueous polyethylene glycol – based two-phase system. **Separation & Purification Technology**, 80(3), p. 620 – 625.

#### Citată în:

- [1] Title: Extraction of Cadmium-Potassium Iodide- Butyl Rhodamine B Ion Association Complex by Alcohol-Ammonium Sulfate Aqueous Two-Phase. Authors: ZENG Yu, QIN Shi-Dong, CHEN Teng, YAO Kang-Kang, WANG Ying. Source: **Chinese Journal of Spectroscopy Laboratory**, 2012, 29(5). p. 2963-2966. ISSN: 1004-8138. web: <http://journalseek.net/cgi-bin/journalseek/journalsearch.cgi?field=issn&query=1004-8138>.

#### Lucrarea citată:

**Bulgariu D.**, Bulgariu L. (2012). Equilibrium and kinetics studies of heavy metal ions biosorption on green algae waste biomass. **Bioresource Technology**, 103 (1), p. 489-493.

#### Citată în:

- [1] Title: Biosorption of Pb<sup>2+</sup> by dried powder of duckweed (*Lemna aequinoctialis*). Authors: Chen, L., Fang, Y., Jin, Y., Chen, Q., Zhao, Y., Xiao, Y., Zhao, H. Source: **Chinese Journal of Applied and Environmental Biology**, Volume 19, Issue 6, 25 December 2013, Pages 1046-1052. ISSN: 1006-687X / CN: 51-1482/Q.
- [2] Title: Characteristic and ion exchanges during Cu<sup>2+</sup> and Cd<sup>2+</sup> biosorption by stenotrophomonas maltophilia. Authors: Bai, J.-Q., Yin, H., Ye, J.-S., Peng, H., Tang, L.-T., He, B.-Y., Li, Y.-P. Source: **Huanjing Kexue / Environmental Science** Volume 34, Issue 1, January 2013, Pages 217-225. web: <http://www.scimagojr.com/journalsearch.php?q=22650&tip=sid>. ISSN: 0250-3301.
- [3] Title: Removal of cadmium, chromium, copper, lead and zinc ions by alisma plantago aquatica. Authors: Ushakumary, E.R., Madhu, G. Source: **International Journal of Environment and Waste Management** Volume 13, Issue 1, 2014, Pages 75-89. ISSN: 1478-9876. web: <http://www.inderscience.com/jhome.php?jcode=ijewm>.
- [4] Title: Adsorption of modified municipal sludge with phosphoric acid activation and microwave pyrolysis on Cd<sup>2+</sup> ions. Authors: Zhang, C., Zhang, W., Wang, C. Source: **Chinese Journal of Environmental Engineering**, Vol. 8, Issue 8, 5 August 2014, Pages 3299-3303. ISSN 1673-9108.
- [5] Title: Screening of macrofungi for the removal of Ag(I) and Zn(II) ions from aqueous environment. Authors: Das, D., Vimala, R., Das, N. Source: **Research Journal of Pharmaceutical, Biological and Chemical Sciences**, Volume 5, Issue 6, 2014, Pages 322-329. ISSN: 0975-8585.
- [6] Title: Adsorption of Cd(II) and Pb(II) onto humic acid-treated coconut (cocos nucifera) husk. Authors: Sewwandi, B.G.N., Vithanage, M., Wijesekara, S.S.R.M.D.H.R., Mowjood, M.I.M., Hamamoto, S., Kawamoto, K. Source: **Journal of Hazardous, Toxic, and Radioactive Waste**, Volume 18, Issue 2, 2014, Article number 04014001. ISSN: 2153-5493.
- [7] Title: Equilibrium and kinetic study and modeling of Cu(II) and Co(II) synergistic biosorption from Cu(II)-Co(II) single and binary mixtures on brown algae *C. indica*. Akbari, M., Hallajisani, A., Keshkar, A.R., Shahbeig, H., Ali Ghorbanian, S. Source: **Journal of Environmental Chemical Engineering**, Volume 3, Issue 1, March 2015, Pages 140-149. ISSN: 2213-3437.
- [8] Title: SORPTION ACTIVITY OF PECTIN-MODIFIED NANOCOMPOSITES WITH DIVALENT METAL IONS. Authors: A.K. Zharmagambetova, E.T. Talgatov, A.S. Auyezkhanova, S.V. Imanalieva. Source: **NEWS OF THE ACADEMY OF SCIENCES OF THE REPUBLIC OF KAZAKHSTAN SERIES CHEMISTRY AND TECHNOLOGY** 5 (401), 2013, УДК 66.081.3:541.183:542.943.
- [9] Permanent Hard Water Softening Using Cation Exchange Resin in Single and Binary Ion Systems. A.A. Swelam, A.M.A. Salem and M.B. Awad. **World Journal of Chemistry** 8 (1): 01-10, 2013 ISSN 1817-3128 IDOSI Publications, 2013 DOI: 10.5829/idosi.wjc.2013.8.1.1106.
- [10] Title: Cyclodextrins-The Molecular Container. Authors: Sanjoy Kumar Das, Rajan Rajababala, Sheba David, Nasimul Gani, Jasmina Khanam, Arunabha Nanda. Source: **Research Journal of Pharmaceutical, Biological and Chemical Sciences**, April-June 2013 RJPBCS Volume 4 Issue 2 Page No. 1694. ISSN: 0975-8585.
- [11] Title: Comparative study on kinetic adsorption of Cu(II), Cd(II) and Ni(II) ions from aqueous solutions using activated sludge and dried sludge. Authors: Soon-An Ong, Eiichi Toorisaka, Makoto Hirata, Tadashi Hano. Source: **Applied Water Science**, March 2013, Volume 3, Issue 1, pp 321-325. web: <http://www.springer.com/>. ISSN 2190-5495.
- [12] Title: The Feasibility Study of Brown Marine Algae toward Cadmium Ions as a Low Cost Biosorbent. Authors: Anies S. Mohd Naspu, Nur S.A. Zahala, Anies S. Mohd Naspu, Sharizal Hasan, Mohd L. Kamal. Source: **Journal of Medical and Bioengineering** Vol. 3, No. 3, September 2014. web: <http://www.jomb.org/>. ISSN: 2301-3796. BDI: DOAJ.
- [13] Title: Identification and biosorption characterization of a thallium-resistant strain. Author(s): LONG Jianyou; LUO Dinggui; CHEN Yongheng. Source: **Chinese Journal of Applied & Environmental Biology**. Issue: 2014 03, Page: 426-430. ISSN:1006-687X/CN:51-1482/Q.
- [14] Title: The Feasibility Study of Brown Marine Algae toward Cadmium Ions as a Low Cost Biosorbent. Authors: Anies S. Mohd Naspu and Nur S.A. Zahala. Source: **Journal of Medical and Bioengineering** Vol. 3, No. 3, 227-230 September 2014. ISSN: 2301-3796.
- [15] Title: BIOSORPTION FOR METAL IONS REMOVAL FROM AQUEOUS SOLUTIONS: A REVIEW OF RECENT STUDIES. Authors: Nour T. Abdel-Ghani and Ghadir A. El-Chaghabby. Source: **International Journal of Latest Research in Science and Technology**, Volume 3, Issue 1: Page No. 24-42 ,January-February 2014. ISSN (Online):2278-5299. web: <http://www.mnkjournals.com/ijlrst.htm>.

#### Lucrarea citată:

Bulgariu L., Rătoiu M., **Bulgariu D.**, Macoveanu M. (2008). Equilibrium study of Pb(II) and Hg(II) sorption from aqueous solutions by moss peat. **Environmental Engineering and Management Journal** 7(5), p. 511-516.

#### Citată în:

- [1] Title: Alkali treated Foumanat tea waste as an efficient adsorbent for methylene blue adsorption from aqueous solution. Authors: Ebrahimi Pirbazari, A., Saberikah, E., Badrouh, M., Emami, M.S. Source: **Water Resources and Industry**, Volume 6, August 2014, Pages 64-80. ISSN: 2212-3717.
- [2] Title: Adsorption of Nickel (II), Copper (II) and Iron (III) from aqueous solution using Ashoka Leaf Powder. Authors: R. S. Shelke, B. R. Madje, J. V. Bharad, and M. B. Ubale. Source: **International Journal of ChemTech Research** CODEN( USA): IJCRGG ISSN : 0974-4290 Vol.1, No.4, pp 1318-1325, Oct-Dec 2009.
- [3] Title: Adsorption of Nickel (II), Copper (II) and Iron (III) on Jaswand Leaf Powder: A Case Study. Authors: Ratna S. Shelke, Jagdish V. Bharad, Balaji R. Madje, and Milind B. Ubale. Source: Scholars Research Library. **Archives of Applied Science Research**, 2010, 2 (3): 260-266. ISSN 0975-508X CODEN (USA) AASRC9. web: <http://scholarsresearchlibrary.com/archive.html>.
- [4] Title: CHEMICAL MODIFICATION ON NATURAL CLAY AND ITS APPLICATION ON EQUILIBRIUM STUDY OF THE ADSORPTION OF Pb<sup>2+</sup> IN AQUEOUS SOLUTION. Authors: Syaiful Bahri, Rahmat Rivai. Source: **Jurnal Sains dan Teknologi** 9 (2), September 2010: 49-54. ISSN: 1412-6257. web: <http://jst.eng.unri.ac.id/index.php/jst>.

- [5] Title: Removal of Cd(II) from aqueous solution using *Bacillus subtilis* and *Escherichia coli* immobilized in agarose gel: equilibrium, kinetics and thermodynamic study. Authors: Oluwaseye Adedirin, Uzairu Adamu, Eddy. O. Nnabuk. Source: **Archives of Applied Science Research**, 2011, 3 (3):59-76. ISSN: 0975-508X. Available online at [www.scholarsresearchlibrary.com](http://www.scholarsresearchlibrary.com).
- [6] Title: Adsorption of Nickel (II), Copper (II) and Iron (III) on Kammoni Leaf Powder: A Case Study. Authors: Shelke Ratna, Bharad Jagdish, Madje Balaji, Ubale Milind. Source: **Asian Journal of Research in Chemistry**, Year: 2011, Volume: 4, Issue: 1, First page: ( 100) Last page: (103) Print ISSN: 0974-4169. Online ISSN: 0974-4150.
- [7] Title: Biosorption of Cr(VI) and Ni(II) from aqueous solution onto *Bacillus subtilis* immobilised in Agarose gel. Authors: Oluwaseye Adedirin, Uzairu Adamu and Eddy. O. Nnabuk. Source: Pelagia Research Library **Der Chemica Sinica**, 2011, 2(5):173-188. ISSN: 0976-8505 CODEN (USA) CSHIA5.
- [8] Title: Removal of Ni(II) and Pb(II) from aqueous solution using *Escherichia coli* immobilized in agarose gel. Authors: Oluwaseye Adedirin, Uzairu Adamu and Eddy. O. Nnabuk. Source: **Der Chemica Sinica**, 2011, 2(5):157-172. ISSN: 0976 – 8505. Available online at [www.pelagiaresearchlibrary.com](http://www.pelagiaresearchlibrary.com).
- [9] Title: *Syzygium cumini* leaf powder as low cost adsorbent to remove Fe (II) from aqueous solution. Authors: Sureshkumar Hainor, Rajesh Dandge and Milind Ubale. Source: Pelagia Research Library **Der Chemica Sinica**, 2012, 3(6):1444-1449. ISSN: 0976-8505. CODEN (USA) CSHIA5.
- [10] Title: Thermodynamic Study of Hg(II) Ion Adsorption onto Nano Hydroxyapatite from Aqueous Solution. Authors: S. Ghasemlou, H. Aghaie, and M. Monajjemi. Source: **Journal of Physical and Theoretical Chemistry of Islamic Azad University of Iran**, 10 (2) 125-136: Summer 2013 (J. Phys. Theor. Chem. IAU Iran) ISSN 1735-2126.
- [11] Title: Biosorption of Ni(II) Ions from Electroplating Industrial Effluent using *Tinospora cardifolia* Biomass. Authors: Kajal Sao, Madhurima Pandey, Piyush Kant Pandey and F. Khan. Source: **Civil and Environmental Research** ISSN 2224-5790 (Paper) ISSN 2225-0514 (Online), Vol.6, No.10, 2014.
- [12] Source: Biosorption of mercury from aqueous solutions using highly characterised peats. Authors: A.M. Rizzuti, F.L. Ellis, L.W. Cosme, and A.D. Cohen. Source: **Mires and Peat**, Volume 16 (2015), Article 02, 1–7. <http://www.mires-and-peat.net/>, ISSN 1819-754X, © 2015 International Mire Conservation Group and International Peat Society.
- [13] Title: Isotherm, Kinetic and Thermodynamic Studies for the Sorption of Mercury (II) onto Activated Carbon from *Rosmarinus officinalis* Leaves . Authors: Mohamed Erhayem, Fatima Al-Tohami, Ragwan Mohamed, Khadija Ahmida. Source: **American Journal of Analytical Chemistry**, 2015, 6, 1-10 Published Online January 2015 in SciRes. <http://www.scirp.org/journal/ajac>

#### Lucrarea citată:

Bulgariu L., Bulgariu D., Macoveanu M. (2010). Kinetics and equilibrium study of nickel (II) removal by use peat moss. **Environmental Engineering and Management Journal**, Vol. 9, No. 5, p. 667-674.

#### Citată în:

- [1] Title: Adsorption of Cd(II) by Dried Activated Sludge. Authors: A. Khosravan, B. Lashkari. Source: **Iranian Journal of Chemical Engineering** Vol. 8, No. 2 (Spring), 2011, IACHe, p. 41-56. web: [http://www.ijche.com/index\\_e.aspx](http://www.ijche.com/index_e.aspx). ISSN: 1735-5397.
- [2] Title: Modification Comparison Research of the Activated Carbon Sorption for Copper. Authors: Shuqin Zhang, Shitang Tong. Source: **Communications in Information Science and Management Engineering** CISME, Vol.1, No.9, 2011, 61-64, web: [www.jcisme.org](http://www.jcisme.org). 2011 World Academic Publishing. ISSN: 2222-1859.

#### Lucrarea citată:

Bulgariu L., Hlihor R.M., Bulgariu D., Gavrilescu M. (2012). Sorptive Removal of Cadmium (II) Ions from Aqueous Solution by Mustard Biomass. **Environmental Engineering and Management Journal**, 11 (1), p. 1969 – 1976.

#### Citată în:

- [1] Title: Kinetic, Equilibrium and Mechanistic Studies of Nickel Adsorption on Activated Pistia stratiotes Leaves. Authors: T. Rose Judith, S. Arivoli and V. Marimuthu. Source: **European Journal of Applied Sciences and Technology** [EUJAST] Volume 1, Issue 1, 2014, p. 15-22. SMART Academy, United Kingdom | [www.eujast.org](http://www.eujast.org). ISSN 2055-7531.

#### Lucrarea citată:

Bulgariu L., Lupea M., Bulgariu D., Rusu C., Macoveanu M. (2013). Equilibrium study of Pb(II) and Cd(II) biosorption from aqueous solution on marine green algae biomass. **Environmental Engineering and Management Journal**, 12(1), (2013), 183-190.

#### Citată în:

- [1] Title: Kinetic, Equilibrium and Mechanistic Studies of Nickel Adsorption on Activated Pistia stratiotes Leaves T. Rose Judith, S. Arivoli\* and V. Marimuthu. Source: **European Journal of Applied Sciences and Technology** [EUJAST] Volume 1, Issue 1, 2014, p. 15-22. Published by: Smart Academy, London, UK. ISSN: 2055-7531 (Print) ISSN: 2055-754X (Online). Web: <http://www.eujast.org/>.
- [2] Title: MECHANISTIC STUDIES OF COPPER (II) ION ADSORPTION ON ACTIVATED PONGAMIA PINNATA SHELL NANO CARBON S Arivoli1\*, V Marimuthu1 , C Vijayaraj1 and M.Hema. Source: **European Journal of Environmental Ecology**. 2015; 2(1): 21-28. Journal homepage: [www.mcmed.us/journal/ejee](http://www.mcmed.us/journal/ejee). e ISSN: 2393 - 9672.

#### Lucrarea citată:

Iancu O.G., Buzgar N. (editori coordonatori), Lăcătușu R., Gandrabura E., Secu C., Apostoaiei L., Bulgariu D., Ciprian I.P. (editori asociați) (2008). Atlasul geochemic al metalelor grele din solurile municipiului Iași și împrejurimi, Editura Universității „Alexandru Ioan Cuza” din Iași.

#### Citată în:

- [1] Title: The distribution of Trace Elements in the Stream Sediments from the Jijia River Basin. Authors: Pintilei, M., & Pintilei, C. Source: **Scientific Annals of University" Al. I. Cuza "Iasi, Geology Series**, 57(1), 49-67, 2011.
- [2] Title: The heavy metals abundance in soils from Fagaras (Cd, Co, Cr, Cu). Authors: Lacatusu, R., Lacatusu, A. R., Lungu, M., Stanciu-Burileanu, M. M., Râsnoveanu, I., Vrînceanu, A., & Lazar R. Source: **PRESENT ENVIRONMENT AND SUSTAINABLE DEVELOPMENT**, VOL. 6, no. 2, 167-180, 2012.
- [3] Title: The heavy metals abundance in soils from Fagaras depression II. Fe, Mn, Ni, Pb, Zn. Authors: Lacatusu, R., Lacatusu, A. R., Lungu, M., Stanciu-Burileanu, M. M., Râsnoveanu, I., Vranceanu, A., & Lazar, R. Source: **Annals of the University of Craiova-Agriculture**, Montanology, Cadastre Series, 42(1), 281-292, 2013.

#### Lucrarea citată:

Bulgariu D., Bulgariu L., Breabăn I.G. (2004). Contribuții la studiul distribuției metalelor grele (Cd; Pb) dintr-un cernoziom cambic din perimetrul Hudești, județul Botoșani. **Factori și procese pedogenetice din zona temperată**, Iași, vol 3 (Serie Nouă), p. 199-217.

#### Citată în:

- [1] Title: THE SOIL COVER OF BAȘEU PLAIN. Authors: I. Vasiliniuc, C.V. Secu. Source: **Factori și Procese Pedogenetice din Zona Temperată** 6 S. nouă (2007) 81-94.

#### Lucrarea citată:

Bulgariu L., Bulgariu D. (2008). Self-Assembled Monolayer of Thiols on Gold Electrodes Prepared by Gold Electro-chemical Deposition on Platinum Wire. **Chemical Bulletin "POLITEHNICA"** Univ. (Timișoara), 53(67), 1-2, p. 163-167.

#### Citată în:

- [1] Title: A comparative study of gold electrodes modification methods with aromatic compounds based on diazonium and thiol chemistry. Authors: Ana CHIRA, Ovidiu-Ilie COVACI, Gabriel Lucian RADU. Source: **U.P.B. Sci. Bull., Series B**, Vol. 74, Iss. 1, 2012.

### Total citări în reviste ISI și BDI:

1. Pe întreaga activitate: 334

2. De la ultima promovare: 332

### A.3-4. Citări în monografiile internaționale

Total citări:

1. Pe întreaga activitate: 11 (articole citate: 8)

2. De la ultima promovare: 11 (articole citate: 8)

#### Lucrarea citată:

Bulgariu L., Bulgariu D., Sârghie I. (2005). Spectrophotometric Determination of Cadmium (II) Using p,p'-Dinitro-Sym-Diphenylcarbaid in Aqueous Solutions. **Analytical Letters**, vol. 38, nr. 14, p. 2365-2375.

#### Citată în:

- [1] Title: ANALYTICAL CHEMISTRY OF CADMIUM: SAMPLE PRE-TREATMENT AND DETERMINATION METHODS. Authors: Moreda-Pineiro A.; Moreda-Pineiro J. Source: **CADMIUM IN THE ENVIRONMENT** Book Series: Environmental Health Physical Chemical and Biological Factors Pages 1-262 (Edited by Parvau RG), 2010, NOVA SCIENCE PUBLISHERS, INC, 400 OSER AVE, STE 1600, HAUPPAUGE, NY 11788-3635 USA; ISBN: 978-1-60741-934-1; web: <http://apps.wbofknowledge.com/>.
- [2] Title: **Analytical chemistry of cadmium**. In: Sample pre-treatment and determination methods (Book ), Edited by: Parvau, RG. Authors: Moreda-Piñeiro A., Moreda-Piñeiro J. January 2011, Pages 1-254. ISBN: 978-160876808-0. Publisher: Nova Science Publishers, Inc.

#### Lucrarea citată:

Bulgariu L., **Bulgariu D. (2008)**. Extraction of metal ions in aqueous polyethylene glycol-inorganic salt two-phase systems in the presence of inorganic extractants: Correlation between extraction behaviour and stability constants of extracted species. **Journal of Chromatography A**, 1196-1197 (1-2), p. 117-124.

Citată în:  
**[1]** Elias Ayres Guidetti Zagatto, Claudio C. Oliveira, Alan Townshend, Paul Worsfold **(2012)**. Flow analysis with spectrophotometric and luminometric detection. Chapter 8 - Sample Handling, Pages 295-448 Elsevier, USA (ISBN: 978-0-12-385924-2. BDI: Library of Congress Cataloguing-in-Publication Data; British Library Cataloguing-in-Publication Data). Web: <http://store.elsevier.com/Flow-Analysis-with-Spectrophotometric-and-Luminometric-Detection/Elias-Ayres-Guidetti-Zagatto/isbn-9780123859242/>.

**[2]** ЛЕКЦИИ ВЕДУЩИХ УЧЕНЫХ ДЛЯ МОЛОДЫХ УЧЕНЫХ ВСЕРОССИЙСКОЙ НАУЧНОЙ ШКОЛЫ ПО АНАЛИТИЧЕСКОЙ ХИМИИ, Краснодар **2011**. In: И.В. Плетьев: ЭКСТРАКЦИЯ В АНАЛИТИЧЕСКОЙ ХИМИИ: НОВЫЕ ПОДХОДЫ (УДК 543.21; p. 90-97).

**[3]** Title: Microwave-Assisted Extraction of Polysaccharides. Authors: Ana Cristina Soria, Laura Ruiz-Aceituno, Lourdes Ramos, Luz Maria Sanz. Source: **Polysaccharides Bioactivity and Biotechnology**, 2014, pp 1-18, Date: 05 Nov 2014 (Latest version). ISSN: ISBN: 978-3-319-03751-6 (Online).

Lucrarea citată:  
Bulgariu L., Răţoi M., **Bulgariu D.**, Macoveanu M. **(2009)**. Adsorption potential of mercury(II) from aqueous solutions onto Romanian peat moss. **Journal of Environmental Science and Health, Part A-Toxic Hazardous Substances & Environmental Engineering**, 44(7), p. 700-706.

Citată în:  
**[1]** Title: Oil Palm Biomass as an Adsorbent for Heavy Metals. Authors: Vakili, Mohammadtaghi; Rafatullah, Mohd; Ibrahim, Mahamad Hakimi; et al. Edited by: Whitacre, DM. Source: **REVIEWS OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY**, VOL 232 Book Series: Reviews of Environmental Contamination and Toxicology, Volume: 232 Pages: 61-88 Published: **2014**. Impact factor: **3,632** / 2013. ISSN: 0179-5953.

Lucrarea citată:  
Bulgariu L., **Bulgariu D.**, Macoveanu M. **(2012)**. Characteristics of sorption of uncomplexed and complexed Pb(II) from aqueous solutions onto peat. **Chemical Papers**, 66 (4), p. 239 – 247.

Citată în:  
**[1]** Title: INFLUENCE OF THE PRESENCE OF COMPLEXING AGENTS ON THE COPPER(II) BIOSORPTION ONTO *POSIDONIA OCEANICA* FROM METAL PLATING WASTEWATER. Authors: Marta Izquierdo, Carmen Gabaldón and Paula Marzal. Source: **BOOK OF PROCEEDINGS** p.18-21 -5th International Symposium on Biosorption and Bioremediation, June 24 – 28, **2012**, Prague, Czech Republic, section: Biosorption and bioaccumulation of heavy metals. web: <http://biobio.vscht.cz/>. ISBN 978-80-7080-825-2.

Lucrarea citată:  
Bulgariu L., **Bulgariu D. (2012)**. Direct determination of nitrate in small volumes of natural surface waters uses a simple spectrophotometric method. **Reviews in Analytical Chemistry**, 31, 3-4, p. 201-207.

Citată în:  
**[1]** Title: Strategies for Realising Long-Term Autonomous Chemical Sensing Devices. Authors: Deirdre Cogan, Fiachra Collins, Kate Meagher, John Cleary, Thomas Phelan, Dermot Diamond. Source: Conference. ThinkMind // SENSORDEVICES 2013, The Fourth International Conference on Sensor Device Technologies and Applications // View article sensordevices\_2013\_3\_20\_20173 Extended impact factor: **18.4** [2011]. ISSN: 2308-3514. ISBN: 978-1-61208-297-4. Pages: 30 to 33.

Lucrarea citată:  
Bulgariu L., **Bulgariu D.**, Macoveanu M. **(2010)**. Kinetics and equilibrium study of nickel (II) removal by use peat moss. **Environmental Engineering and Management Journal**, Vol. 9, No. 5, p. 667-674.

Citată în:  
**[1]** Title: Fly Ash Based Substrates for Advanced Wastewater Treatment. Authors: Maria Visa, Cristina Cazan, Luminita Andronic. Source: Sustainable Energy in the Built Environment - **2014**, pp 539-569. Proceedings of the Conference for Sustainable Energy (CSE) 2014, Editors: Visa, Ion (Ed.) ISBN 978-3-319-09707-7.

Lucrarea citată:  
Pavel V.L., **Bulgariu D.**, Bulgariu L., Hlihor R.M., Gavrilescu M. **(2010)**. Analysis of factors determining the behaviour of chromium in some Romanian soils. **Environmental Engineering and Management Journal** 9(1), p. 89-94.

Citată în:  
**[1]** Title: Chromium Contamination and Its Risk Management in Complex Environmental Settings. Author(s): Choppala, Girish; Bolan, Nanthi; Park, Jin Hee. Book Editor(s): Sparks, DL. Source: **ADVANCES IN AGRONOMY**, VOL 120 Book Series:Advances in Agronomy Volume: 120 Pages: 129-172 DOI: 10.1016 / B978-0-12-407686-0.00002-6 Published: **2013**. Academic Press. ISBN 13: 978-0-12-417187-9. web: <http://www.elsevier.com/books/book-series/advances-in-agronomy>.

Lucrarea citată:  
**Bulgariu D. (2002)**. The Study of Volcanic Tuffs and Natural Zeolites by IR Spectroscopy (I). Preliminary Results. **Analele Ştiinţifice ale Universităţii „Alexandru Ioan Cuza” din Iaşi, s. Geologie**, XLVIII, p. 121-134.

Citată în:  
**[1]** Title: Handbook of thermogravimetric system of minerals and its use in geological practice / Occasional Papers of the Geological Institute of Hungary, volume 213. Authors: Mária Földvári / BUDAPEST, **2011**. ISBN 978-963-671-288-4. web: [http://www.elgi.hu/sites/default/files/files/Könyvtar/Alkalmi\\_teljes/Fodvari\\_egyben.pdf](http://www.elgi.hu/sites/default/files/files/Könyvtar/Alkalmi_teljes/Fodvari_egyben.pdf).

#### A.3-4. Citări în monografiile naţionale

Total citări – pe întreaga activitate: 6 (lucrări citate: 5).

Lucrarea citată:  
**Bulgariu D.**, Rusu C (coord.) **(2005)**. Metode instrumentale de studiu în geochimie. Vol. I – Prelevarea probelor. Sampling. Casa Editorială Demiurg, Iaşi.

Citată în:  
**[1]** Tofan L., Bulgariu L., Toma O. **(2007)**. Biochimie analitică (vol. I). Casa Editorială Demiurg Iaşi.  
Număr autori: **5**

**[2]** Bulgariu L. **(2011)**. Metode instrumentale de analiză, Editura Politehnicum, Iaşi.  
Număr autori: **5**

Lucrarea citată:  
**Bulgariu D. (2000)**. The Mineral / Water Interface Complexation Processes Roll on the Chemical Elements Mobility in Soils (I). **Lucrările celei de a XVI-a Conferinţe Naţionale pentru Ştiinţa Solului** (Suceava, 23-28 august, 2000), Vol. I, nr. 30A, p. 207-218

Citată în:  
**[1]** Lupaşcu Gh., Parichi M., Stănilă A.L., Florea N. (editori) **(2003)**. Bibliografia pedologică a României. Editura. Terra Nostra, Iaşi. ISBN: 973-8432-07-3.

Lucrarea citată:  
**Bulgariu D.**, Dragomir L. **(2000)**. Pedogeochemical Implications on the Silica Speciation Process (I). Preliminary Results. **Lucrările celei de a XVI-a Conferinţe Naţionale pentru Ştiinţa Solului** (Suceava, 23-28 august, 2000), Vol. I, nr. 30A, p. 195-206.

Citată în:  
**[1]** Lupaşcu Gh., Parichi M., Stănilă A.L., Florea N. (editori) **(2003)**. Bibliografia pedologică a României. Editura. Terra Nostra, Iaşi. ISBN: 973-8432-07-3.

Lucrarea citată:  
Şabliovschi V., **Bulgariu D. (2000)**. Iron Oxydes and Oxyhydroxides (Hydrogoethite, Hydrohematite, Ferohydrate, Hematite) from Mineral Fractions of Histosols on Dornel Bassin. **Lucrările celei de a XVI-a Conferinţe Naţionale pentru Ştiinţa Solului** (Suceava, 23-28 august, 2000), Vol. I, nr. 30A, p. 219-227.

Citată în:  
**[1]** Lupaşcu Gh., Parichi M., Stănilă A.L., Florea N. (editori) **(2003)**. Bibliografia pedologică a României. Editura. Terra Nostra, Iaşi. ISBN: 973-8432-07-3.

Lucrarea citată:  
Şabliovschi V., **Bulgariu D. (2000)**. Opal and Calcedony Mineral Fractions from Dorna Bassin. **Lucrările celei de a XVI-a Conferinţe Naţionale pentru Ştiinţa Solului** (Suceava, 23-28 august, 2000), Vol. I, nr. 30A, p. 228-234.

Citată în:  
**[1]** Lupaşcu Gh., Parichi M., Stănilă A.L., Florea N. (editori) **(2003)**. Bibliografia pedologică a României. Editura. Terra Nostra, Iaşi. ISBN: 973-8432-07-3.