

Asistent universitar dr. Rodica Liliana BUHĂCEANU

Fișa de Autoevaluare

A. ACTIVITATEA DE CERCETARE

Nr.	Descriptor	Puncte
1	Articole științifice în reviste cotate Web of Science cu factor de impact	149,49
2	Articole științifice publicate în extenso în reviste indexate fără factor de impact	45
3	Articole științifice publicate în extenso în volumele conferințelor, indexate în BDI	5,83
4	Cărți/Capitole de cărți publicate în edituri academice naționale/internaționale	18,936
5	Contracte de cercetare științifică	12,338
6	Citări și recenzii ale lucrărilor științifice	455,337
7	Lucrări susținute în calitate de invitat la manifestări științifice	-
8	Profesor/cercetător invitat la universități/institute de cercetare	-
9	Participări la manifestări științifice internaționale	-
	TOTAL PUNCTE	686,931

B. ACTIVITATEA DIDACTICĂ

Nr.	Descriptor	Puncte
1	Materiale suport curs, seminar, lucrări practice și programe analitice detaliate	180
	TOTAL PUNCTE	180

$$\text{PUNCTAJ: } 0,7 \times AC + 0,3 \times AD = 480,852 + 54 = 534,852$$

A. ACTIVITATEA DE CERCETARE

Modalitate de calcul: $(60 \times IF + 25) / \text{nr. autori}$

Nr. crt.	Autori	Titlul articolului	Jurnal	Volum	Pagini	An	Număr autori	Factor impact (2013)	Puncte articol
1	Buhăceanu R. , Lungu N. C., Forna N.C., Asaftei I.V., Chiriță P., Bîrsă M. L.,	The influence of bromine substituent on optical properties of some 1,3-dithiolium derivates	<i>Rev. Chim</i>	64(9)	802-806	2013	6	0,534	9,506
2	Buhăceanu R. , Lungu N. C., Forna N.C., Asaftei I.V., Chiriță P., Bîrsă M. L.,	A new class of mesoinic 4-(1,3-dithiol-2-ylum)phenolates	<i>Rev. Chim</i>	64(8)	960-964	2013	6	0,534	9,506
3	Dulman V, Cucu-Man S.M., Olariu R.I., Buhăceanu R. , Dumitraș M., Bunia I.,	A new heterogeneous catalytic system for decolorization and mineralization of Orange G acid dye based on hydrogen peroxide and a macroporous chelating polymer	<i>Dyes and pigments</i>	95	79-88	2012	6	3,126	35,426
4	Bârsănescu A., Buhăceanu R. , Dulman V	Removal of Basic Blue 3 by sorption onto weak acid acrylic resin.	<i>J. Appl. Polym. Sci.,</i>	113	607-614	2009	3	1,187	32,073
5	Buhăceanu R. , Sârghie I., Bârsănescu A., Dulman V., Bunia I	Silver (I) sorption on acrylic copolymers functionalized with amine. Equilibrium and kinetic studies	<i>Cent. Eur. J Chem</i>	7	827-835	2009	5	1,065	17,78
6	Bârsănescu A., Buhăceanu R. , Dulman V. Bunia, I., Neagu V.	Adsorption of Zn(II) by crosslinked acrylic copolymers with amine functional groups	<i>J. Appl. Polym. Sci</i>	93	803-808	2004	5	1,017	17,204
7	Dulman V., Buhăceanu R. , Luca C., Neagu V	Retention of gallium ions from acidic solutions by pyridine strong base anion exchangers	<i>J. Appl. Polym. Sci</i>	86	3440-3444	2002	4	0,927	20,155
8	Dulman V., Țarălungă M., Popa V.I., Buhăceanu R.	Studies of the retention of Zn(II) ions from ammoniacal solutionsby wood bark	<i>Cellulose chemistry and technology</i>	33	231-237	1999	4	0,106	7,84
							Total puncte	149,49	

Modalitate de calcul: 20/nr. autori

Articole științifice publicate *in extenso* în volumele conferințelor, indexate în BDI

[illegible]

Cărți științifice publicate (doar prima ediție)/Capitole de cărți, edituri academice internaționale/naționale

Modalitate de calcul: 50 puncte la 100 de pagini/nr. autori

Nr.	Autori	Titlu capitol	Titlu carte	ISBN	Editura	Pag.	An	Puncte
1	Dulman V., Onofrei T., Simion C., Bârsănescu A., Irimia G., Buhăceanu R. , Țarălungă M.		Chimie analitică. Manual de lucrări practice		Editura Universității „Alexandru Ioan Cuza”, Iași		1996	14.27
2	Cucu-Man, S., Tarcau (Drăgan), D., Buhaceanu, R	Biomonitoring the atmospheric deposition of heavy metals and persistent organic pollutants: general aspects and a case study (Eastern Romania)	Current topics, concepts and research priorities in environmental chemistry	978-973-703-798-5	Editura Universitatii „Alexandru Ioan Cuza” Iasi	43-70	2012	4.666
Total puncte								18,936

Contracte de cercetare științifică

Modalitate de calcul: contracte internaționale: 100 puncte pentru fiecare 100.000 Euro / numărul membrilor echipei de cercetare
 contracte naționale: 50 puncte pentru fiecare 500.000 lei /numărul membrilor echipei de cercetare

Nr. Crt.	Titlu proiect	Instituția	Director/ Membru	Valoare	Puncte
1	Proiect bilateral Joint Institute for Nuclear Research Dubna nr.03-4-1104-2011/2013; Nuclear and related analytical techniques in environmental studies (2013)	Universitatea “Al. I. Cuza” Iași, România	membru	1000 dolari	0,4
2	Proiect bilateral cu Dubna nr. 03-4-1036-2001/2010; Nuclear and related analytical techniques for Environmental and Life Sciences (2010)	Universitatea “Al. I. Cuza” Iași, România	membru	1000 dolari	0,4
3	Cercetări privind decolorarea unor soluții de coloranți prin noi procedee oxidative, microbiologice și de sorbție în scopul reabilitării și recirculării apelor uzate din industria textilă, CEEX, P-CD – COLODEC, 2006.	Universitatea “Al. I. Cuza” Iași, România, CEEX, P-CD – COLODEC, 2006	membru	1500000 lei	11,538
4	Proiect SfP 974064, NATO, 2000-2001	Universitatea “Al. I. Cuza” Iași, România	membru	-	-
5	Proiect 931/100935/ MES București,1991-1993	Universitatea “Al. I. Cuza” Iași, România	membru	-	-
Total puncte					12,338

Citări și recenzii ale lucrărilor științifice

Modalitate de calcul: (10+20 x IF)/nr. autori

	Autori	Titlu	Jurnal	Volum /issue/ pagini			An	Nr autori	Fi articol citat	Puncte citare
01	Dulman V, Cucu-Man S.M., Olariu R.I., Buhăceanu R., Dumitraș M., Bunia I.	A new heterogeneous catalytic system for decolorization and mineralization of Orange G acid dye based on hydrogen peroxide and a macroporous chelating polymer,	DYES AND PIGMENTS	95		79-88	2012	6		
1	Wang, Qizhao; Zheng, Longhui; Chen, Yutao; et al.	Synthesis and characterization of novel PPy/Bi2O2CO3 composite with improved photocatalytic activity for degradation of Rhodamine-B	JOURNAL OF ALLOYS AND COMPOUNDS	637		127-132	2015		2,726	10,753
2	Ahmadi, Mehdi; Ramavandi, Bahman; Sahebi, Soleyman	Efficient Degradation of a Biorecalcitrant Pollutant from Wastewater Using a Fluidized Catalyst-Bed Reactor	CHEMICAL ENGINEERING COMMUNICATIONS	202		1118-1129	2015		0,788	4,293
3	Ahmad, Akil; Mohd-Setapar, Siti Hamidah; Chuong, Chuo Sing; et al.	Recent advances in new generation dye removal technologies: novel search for approaches to reprocess wastewater	RSC ADVANCES	5	39	30801-30818	2015		3,708	14,026
4	Ahumada-Lazo, R.; Torres-Martinez, L. M.; Ruiz-Gomez, M. A.; et al.	Photocatalytic efficiency of reusable ZnO thin films deposited by sputtering technique	APPLIED SURFACE SCIENCE	322		35-40	2014		2,12	8,733
5	Wegermann, Camila Anchau; da Rocha, Julio Cesar; Drechsel, Sueli Maria; et al.	Semi-empirical ZINDO/S description of the electronic structure and the spectral features of methyl orange and its products of oxidation. A study of relationship between molecular geometry and spectroscopic properties	DYES AND PIGMENTS	99	3	839-849	2013		3,53	13,44
6	Hisaindee, S.; Meetani, M. A.; Rauf, M. A.	Application of LC-MS to the analysis of advanced oxidation process (AOP) degradation of dye products and reaction mechanisms	TRAC-TRENDS IN ANALYTICAL CHEMISTRY	49		31-44	2013		6,351	22,83
7	Parimala, L.; Santhanalakshmi, J.	CuO nanoparticles with biostabilizers for the catalytic decolorization of bromocresol green, crystal violet, methyl red dyes based on H2O2 in aqueous medium	REACTION KINETICS MECHANISMS AND CATALYSIS	109	2	393-403	2013		1,104	5,34

8	Zhou, Ximin; Li, Xi; Chen, Xingguo	Binding mechanism of Orange G to human serum albumin: Saturation transfer difference-NMR, spectroscopic and computational techniques	DYES AND PIGMENTS	98	2	212-220	2013		3,532	13,44
9	Pang, Yean Ling; Abdullah, Ahmad Zuhairi	Fe3+ doped TiO2 nanotubes for combined adsorption-sonocatalytic degradation of real textile wastewater	APPLIED CATALYSIS B-ENVIRONMENTAL	129		473-481	2013		5,825	21,08
10	Rowson, J. G.; Worrall, F.; Evans, M. G.	Predicting soil respiration from peatlands	SCIENCE OF THE TOTAL ENVIRONMENT	442		397-404	2013		3,258	12,52
11	Ivan, A.; Ghindeanu, D. L.; Danciulescu, V.; et al.	Composite polyaniline-zeolite membrane material for wastewater ultrafiltration	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	6	11-12	1134-1138	2012		0,304	2,68
2	Bârsănescu A., Buhăceanu R., Dulman V	Removal of Basic Blue 3 by sorption onto weak acid acrylic resin	JOURNAL OF APPLIED POLYMER SCIENCE	113		607-614	2009	3		
1	By: Zhou, Yan; Zhang, Jianping; Luo, Xuegang; et al.	Adsorption of Hg(II) in Aqueous Solutions Using Mercapto-Functionalized Alkali Lignin	JOURNAL OF APPLIED POLYMER SCIENCE	131	18	40749	2014		1,395	12,63
2	Muntean, Simona Gabriela; Paska, Oana; Coseri, Sergiu; et al.	Evaluation of a functionalized copolymer as adsorbent on direct dyes removal process: Kinetics and equilibrium studies	JOURNAL OF APPLIED POLYMER SCIENCE	127	6	4409-4421	2013		1,395	12,63
3	Wawrzekiewicz, Monika	Removal of Cl Basic Blue 3 dye by sorption onto cation exchange resin, functionalized and non-functionalized polymeric sorbents from aqueous solutions and wastewaters	CHEMICAL ENGINEERING JOURNAL	217		414-425	2013		3,473	26,48
4	B Greluk, Magdalena; Hubicki, Zbigniew	E ffect of basicity of anion exchangers and number and positions of sulfonic groups of acid dyes on dyes adsorption on macroporous anion exchangers with styrenic polymer matrix	CHEMICAL ENGINEERING JOURNAL	215		731-739	2013		3,473	26,48
5	Jia, Dongmei; Li, Yuejin; Shang, Xili; et al.	Iron-Impregnated Weakly Basic Resin for the Removal of 2-Naphthalenesulfonic Acid from Aqueous Solution	JOURNAL OF CHEMICAL AND ENGINEERING DATA	56	10	3881-3889	2011		2,089	17,26
6	Greluk, Magdalena; Hubicki, Zbigniew	Comparison of the gel anion exchangers for removal of Acid Orange 7 from aqueous solution	CHEMICAL ENGINEERING JOURNAL	170	1	184-193	2011		3,074	23,82

	Greluk, Magdalena; Hubicki, Zbigniew	Kinetics, isotherm and thermodynamic studies of Reactive Black 5 removal by acid acrylic resins	CHEMICAL ENGINEERING JOURNAL	162	3	919-926	2010		2,813	22,08
7	Wawrzekiewicz, Monika; Hubicki, Zbigniew	Weak Base Anion Exchanger Amberlite FPA51 as Effective Adsorbent for Acid Blue 74 Removal from Aqueous Medium - Kinetic and Equilibrium Studies	SEPARATION SCIENCE AND TECHNOLOGY	45	8	1076-1083	2010		1,139	10,92
3	Buhăceanu R., Sârghie I., Bârsănescu A., Dulman V., Bunia I	Silver (I) sorption on acrylic copolymers functionalized with amine. Equilibrium and kinetic studies	CENTRAL EUROPEAN JOURNAL OF CHEMISTRY	7		827-835	2009	5		
1	Mihai, Marcela; Bunia, Ion; Doroftei, Florica; et al.	Highly Efficient Copper(II) Ion Sorbents Obtained by Calcium Carbonate Mineralization on Functionalized Cross-Linked Copolymers	CHEMISTRY-A EUROPEAN JOURNAL	21	13	5220-5230	2015		5,696	22,784
2	Virolainen, Sami; Tyster, Mikko; Haapalainen, Mika; et al.	Ion exchange recovery of silver from concentrated base metal-chloride solutions	HYDROMETALLURGY	152		100-106	2015		2,224	10,896
3	Yavuz, Emre; Tokalioglu, Serife; Sahan, Serkan	FAAS Determination of Ag(I) in Water, Anode Slime, Rock and Cream Samples by Solid Phase Extraction Method based on Sepabeads SP207/5-(p-Dimethylaminobenzylidene) Rhodanine Combination	JOURNAL OF THE BRAZILIAN CHEMICAL SOCIETY	24	5	736-	2013		1,283	7,132
4	Yurtsever, Meral; Sengil, I. Ayhan	Adsorption and desorption behavior of silver ions onto valonia tannin resin	TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA	22	11	2846-2854	2012		0,751	5,004
5	Soylak, Mustafa; Unsal, Yunus Emre	Determination of Traces of Iron and Lead in Food and Water Samples After Preconcentration on Multiwalled Carbon Nanotubes	JOURNAL OF AOAC INTERNATIONAL	95	4	1183-1188	2011		1,199	6,796
6	Karatepe, Aslihan; Soylok, Mustafa; Elci, Latif	Determination of Cu, Fe, and Ni in Spices after Preconcentration on Diaion-HP 20 Resin as Their Zincon Complexes	CLEAN-SOIL AIR WATER	39	5	502-507	2011		1,631	8,54
4	Bârsănescu A., Buhăceanu R., Dulman V. Bunia, I., Neagu V	Adsorption of Zn(II) by crosslinked acrylic copolymers with amine functional groups	JOURNAL OF APPLIED POLYMER SCIENCE	93		803-808	2004	5		
1	Soltanzadeh, Mehdi; Kiani, Gholamreza;	Adsorptive Capacity of Polyacrylonitrile Modified with Triethylenetetramine for Removal of Copper	ENVIRONMENTAL PROGRESS &	33	4	1139-1147	2014		0,965	5,46

	Khataee, Alireza	and Cadmium Ions from Aqueous Solutions	SUSTAINABLE ENERGY							
2	Kiani, Gholamreza; Soltanzadeh, Mehdi	High capacity removal of silver(I) and lead(II) ions by modified polyacrylonitrile from aqueous solutions	DESALINATION AND WATER TREATMENT	52	16-18	3206-3218	2014		0,852	5,408
3	Mukherjee, A.; Singha, B.; Chowdhury, P.	Synthesis of new functionalized poly(vinyl alcohol) hydrogel and studies of its zinc ion retention properties	JOURNAL OF THE INDIAN CHEMICAL SOCIETY	90	6	793-79	2013		0,251	3,004
4	Zhong, Lin-xin; Peng, Xin-wen; Yang, Dong; et al.	Adsorption of Heavy Metals by a Porous Bioadsorbent from Lignocellulosic Biomass Reconstructed in an Ionic Liquid	JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY	60	22	5621-5628	2012		2,823	13,292
5	Kaya, Ismet Gul Buyruklardan; Duranoglu, Dilek; Beker, Ulker; et al.	Development of Polymeric and Polymer-Based Hybrid Adsorbents for Chromium Removal from Aqueous Solution	CLEAN-SOIL AIR WATER	39	11	980-988	2011		1,631	8,524
6	Chowdhury, P.; Mukherjee, A.; Singha, B.	Synthesis of crosslinked poly(Vinyl alcohol) and studies on its efficiency in zinc ion uptake from aqueous solution	INDIAN JOURNAL OF CHEMISTRY SECTION A- INORGANIC BIO- INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY	50	6	802-806	2011		0,92	5,68
7	Xiong, Chunhua; Yao, Caiping	Synthesis, characterization and application of triethylenetetramine modified polystyrene resin in removal of mercury, cadmium and lead from aqueous solutions	CHEMICAL ENGINEERING JOURNAL	155	3	844-850	2009		1,707	8,828
8	Buhaceanu, Rodica; Sarghie, Ioan; Barsanescu, Adriana; et al.	Silver sorption on acrylic copolymers functionalized with amines. Equilibrium and kinetic studies	CENTRAL EUROPEAN JOURNAL OF CHEMISTRY	7	4	827-835	2009		-	-
9	Luca, Cornelia; Vlad, Cristina Doina; Bunia, Ion	TRENDS IN WEAK BASE ANION EXCHANGERS RESINS	REVUE ROUMAINE DE CHIMIE	54	2	107-117	2009		0,284	3,136
	Guo, Lei; Liu, Junshen; Xing, Guoxiu; et al	Adsorption and Desorption of Zinc(II) on Water-Insoluble Starch Phosphates	JOURNAL OF APPLIED POLYMER SCIENCE	111	2	1110-1114	2009		1,187	6,748
10	Bayramoglu, Guelay; Arica, M. Yakup	Adsorption of Cr(VI) onto PEI immobilized acrylate-based magnetic beads: Isotherms, kinetics and thermodynamics study	CHEMICAL ENGINEERING JOURNAL	139	1	20-28	2008		1,707	8,828
11	Perez-Quintanilla, Damian; Sanchez, Alfredo; del Hierro,	Preparation, characterization, and Zn ²⁺ adsorption behavior of chemically modified MCM-41 with 5-mercapto-1-methyltetrazole	JOURNAL OF COLLOID AND INTERFACE SCIENCE	313	2	551-562	2007		2,443	11,772

	Isabel; et al.									
5	Dulman V., Buhăceanu R., Luca C., Neagu V	Retention of gallium ions from acidic solutions by pyridine strong base anion exchangers	JOURNAL OF APPLIED POLYMER SCIENCE	86		3440-3444	2002	4		
1	Jermakowicz-Bartkowiak, Dorota; Kolarz, Bozena N.	Poly(4-vinylpyridine) resins towards perrhenate sorption and desorption	REACTIVE & FUNCTIONAL POLYMERS	71	2	95-103	2011		2,479	14,895
6	Dulman V., Țarălungă M., Popa V.I., Buhăceanu R	Studies of the retention of Zn(II) ions from ammoniacal solutions by wood bark	CELLULOSE CHEMISTRY AND TECHNOLOGY	33		231-237	1999	4		
1	Matsumoto, Michiaki; Kawabata, Daisuke; Takatani, Toshinari; et al.	SELECTIVE ADSORPTION OF OXOMETALLIC AND GOLD IONS ON FILTER PAPER CONTAINING CEDAR BARK	SOLVENT EXTRACTION AND ION EXCHANGE	32	1	111-118	2014		1,581	10,405
2	Martin-Dupont, F; Gloaguen, V; Granet, R; et al.	Heavy metal adsorption by crude coniferous barks: A modelling study	JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING	37	6	1063-1073	2002		0,454	4,77
									TOTAL	455,34

Alte activități

Cercetător invitat la universități/institute de cercetare

Nr.	Perioada	Instituția
1	mai – septembrie 1993	Universitatea de Știință și Tehnică, Laboratorul de Cinetică și Combustie Chimică, Lille, Franța, Prof. Dr. J.C. Dechaux
2	decembrie 1995	Universitatea de Știință și Tehnică, Laboratorul de Cinetică și Combustie Chimică, Lille, Franța, Prof. Dr. J.C. Dechaux

Participări la manifestări științifice

- 29 din care:

- 1 prezentare orală la un Colocviu Internațional din străinătate;
- 4 postere la Conferințe Internaționale din țară;
- 6 postere la Conferințe Internaționale din străinătate;
- 2 postere la Conferințe Naționale;
- 16 postere la Zilele Universității „Al I Cuza” din Iași.

B. ACTIVITATEA DIDACTICĂ

Materiale suport curs, seminar, lucrări practice și programe analitice detaliate

Modalitate calcul:10 puncte/activitate

Nr.	Disciplina		Puncte
1	Analize clinice	Materiale suport curs	10
2	Analize clinice	Materiale suport laborator/lucrări practice	10
3	Analize clinice	Programa analitică	10
4	Toxicologie analitică	Materiale suport curs	10
5	Toxicologie analitică	Materiale suport laborator/lucrări practice	10
6	Toxicologie analitică	Programa analitică	10
7	Controlul analitic al proceselor biotehnologice	Materiale suport curs	10
8	Controlul analitic al proceselor biotehnologice	Materiale suport laborator/lucrări practice	10
9	Controlul analitic al proceselor biotehnologice	Programa analitică	10
10	Tehinici bioanalitice speciale	Materiale suport curs	10
11	Tehinici bioanalitice speciale	Programa analitică	10
12	Bazele chimiei analitice	Materiale suport lucrări de laborator	10
13	Bazele chimiei analitice	Materiale suport seminar	10
14	Analiză instrumentală (metode optice)	Materiale suport lucrări de laborator	10
15	Analiză instrumentală (metode optice)	Materiale suport seminar	10
16	Abilități practice în analiza instrumentală (metode electrochimice)	Materiale suport lucrări de laborator	10
17	Abilități practice în analiza instrumentală (metode electrochimice)	Materiale suport seminar	10
18	Metode de separare	Materiale suport lucrări de laborator	10
Total puncte			180

Alte activități

Contribuții la organizarea activității didactice

- elaborare subiecte pentru Concursul de Chimie "Magda Petrovanu" - clasa a XII-a, 2011- 2015;
- comisie supraveghere pentru Concursul de Chimie "Magda Petrovanu" , 2009-2015;
- membru comisie orar 1993-2014 (excepție 5 ani neconsecutivi);
- secretar comisie Licență 2009;
- secretar comisie admitere Master 2012.