UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAŞI
FACULTATEA DE INGINERIE CHIMICA SI PROTECTIA MEDIULUI CRISTOFOR SIMIONESCU
DEPARTAMENTUL DE INGINERIE ORGANICA, BIOCHIMICA SI ALIMENTARA

FISA DE VERIFICARE

pentru indeplinirea Standardelor minimale necesare și obligatorii pentru conferirea titlului didactice din învățământul superior și a gradelor profesionale de cercetare – dezvoltare.
Comisia de inginerie chimică, inginerie medicală, știința materialelor și nanomateriale.

Conf. dr.ing. Alexandra Cristina Blaga

Funcţia actuală: Conferentiar universitar, Data numirii în funcţia actuală: 14.02.2022

Instituţia: Facultatea de Inginerie Chimica si Protectia Mediului Cristofor Simionescu

	Profesor/abilitare Criterii minimale	**Criterii realizate la data de 09.01.2025**
NTOP	NTOP ≥ 4	**10**
NP	NP ≥ 20	**26**
FIC	FIC ≥ 30	**102.268**
NC	NC ≥ 120	**701**
NCO	NCO ≥ 1	**2**

NTOP = număr total de articole în reviste ISI situate în top 25% (zona roșie) în calitate de autor principal. Situația revistelor în top 25% se judecă pe cazul cel mai favorabil pentru candidat, fie la momentul publicării, fie la data înscrierii la concurs.
FIC = factor de impact cumulat (suma factorilor de impact ai revistelor la momentul înscrierii la concursul pentru ocuparea unei poziții didactice)
NP = număr articole în reviste ISI la care candidatul este autor principal (prim autor sau autor de corespondență)
NC = număr total de citări (din baza SCOPUS) (se exclud autocitările candidatului)
NCO = număr contracte de cercetare-dezvoltare-inovare obținute prin competiție la nivel național sau international ori contracte de cercetare-dezvoltare-inovare cu terții în valoare minimă echivalentă cu 10.000 Euro
Articolele pentru calculul NTOP, FIC, NP, NC se vor lua în considerare numai dacă la data publicării revista era indexată ISI, iar la data inscrierii la concurs a candidatului articolele sunt vizibile în WoS sau dacă se prezintă ca reprinturi (inclusiv cu paginația revistei)

a.) **NTOP ≥ 4**
NTOP=10

1. Dragoi, E.N., Blaga, A.C. (corresponding author), Cascaval, D., Galaction, A.I. - Experimental, modeling and optimisation of adipic acid reactive extraction using ionic liquids, Journal of Molecular Liquids, 2024, 410, 125564, https://doi.org/10.1016/j.molliq.2024.125564 (IF-5.3)
2. Blaga, A.C., Dragoi, E.N., Tucaliuc, A., Kloetzer L., Puitel A.C., Cascaval, D., Galaction, A.I. - Reactive extraction of muconic acid by hydrophobic phosphonium ionic liquids - Experimental, modelling and optimisation with Artificial Neural Networks, Heliyon, 2024, 10(16), e36113, https://doi.org/10.1016/j.heliyon.2024.e36113 (IF-3.4)
3. Blaga, A.C.; Dragoi, E.N.; Gal, D.G.; Puitel, A.C.; Tucaliuc, A.; Kloetzer, L.; Cascaval, D.; Galaction, A.I. - Selective separation of vitamin C by reactive extraction using ionic liquid: Experimental and modelling, Journal of Industrial and Engineering Chemistry, 2024, 133, https://doi.org/10.1016/j.jiec.2023.11.057 (IF-5.9)
4. Blaga, A.C.; Gal, D.G.; Tucaliuc, A. Recent Advances in Muconic Acid Extraction Process. Appl. Sci. 2023, 13, 11691. https://doi.org/10.3390/app132111691 (IF - 2.5)
5. Blaga, A.C.; Tucaliuc, A.; Kloetzer, L. - Applications of Ionic Liquids in Carboxylic Acids Separation, Membranes, 2022, 12 (8), 771, https://doi.org/10.3390/membranes12080771 (la momentul publicarii)
6. Blaga, AC; Tanasa, AM; Cimpoesu, R; Tataru-Farmus, RE; Suteu, D - Biosorbents Based on Biopolymers from Natural Sources and Food Waste to Retain the Methylene Blue Dye from the Aqueous Medium, Polymers, 2022, 14 (13), 2728, https://doi.org/10.3390/polym14132728 (la momentul publicarii)
7. Suteu, D.; Blaga, A.C. (**autor corespondent**); Cimpoesu, R.; Puiţel, A.C.; Tataru-Farmus, R.-E. Composites Based on Natural Polymers and Microbial Biomass for Biosorption of Brilliant Red HE-3B Reactive Dye from Aqueous Solutions. Polymers 2021, 13, 4314. https://doi.org/10.3390/polym13244314 (la momentul publicarii)
8. Blaga, AC, Zaharia C., Suteu D. - Polysaccharides as support for microbial biomass-based adsorbents with applications in removal of heavy metals and dyes, Polymers 2021, 13, 2893. https://doi.org/10.3390/polym13172893 (la momentul publicarii)
9. Lazar, RG; Blaga, AC (autor corespondent); Dragoi, EN; Galaction, AI; Cascaval, D - Mechanism, influencing factors exploration and modelling on the reactive extraction of 2-ketogluconic acid in presence of a phase modifier, Separation and Purification Technology, 255, 2021, 117740, https://doi.org/10.1016/j.seppur.2020.117740 (la momentul publicarii)
10. Blaga, AC; Ciobanu, C; Cascaval, D; Galaction, AI -Enhancement of ergosterol production by Saccharomyces cerevisiae in batch and fed-batch fermentation processes using n-dodecane as oxygen-vector, Biochemical Engineering Journal, 131, 2018, 70-76, https://doi.org/10.1016/j.bej.2017.12.010 (la momentul publicarii)

b.) NP ≥ 20
NP=26

1. Dragoi, E.N., Blaga, A.C. (corresponding author), Cascaval, D., Galaction, A.I. - Experimental, modeling and optimisation of adipic acid reactive extraction using ionic liquids, Journal of Molecular Liquids, 2024, 410, 125564, https://doi.org/10.1016/j.molliq.2024.125564
2. Blaga, A.C., Dragoi, E.N., Tucaliuc, A., Kloetzer L., Puitel A.C., Cascaval, D., Galaction, A.I. - Reactive extraction of muconic acid by hydrophobic phosphonium ionic liquids - Experimental, modelling and optimisation with Artificial Neural Networks, Heliyon, 2024, 10(16), e36113, https://doi.org/10.1016/j.heliyon.2024.e36113

3. Blaga, A.C.; Kloetzer, L.; Cascaval, D.; Galaction, A.-I.; Tucaliuc, A. Studies on Reactive Extraction of Itaconic Acid from Fermentation Broths. Processes 2024, 12, 725. https://doi.org/10.3390/pr12040725
4. Blaga, A.C.; Dragoi, E.N.; Gal, D.G.; Puitel, A.C.; Tucaliuc, A.; Kloetzer, L.; Cascaval, D.; Galaction, A.I. - Selective separation of vitamin C by reactive extraction using ionic liquid: Experimental and modelling, Journal of Industrial and Engineering Chemistry, 2024, 133, https://doi.org/10.1016/j.jiec.2023.11.057
5. Blaga, A.C.; Gal, D.G.; Tucaliuc, A. Recent Advances in Muconic Acid Extraction Process. Appl. Sci. 2023, 13, 11691. https://doi.org/10.3390/app132111691
6. Blaga, A.C.; Dragoi, E.N.; Tucaliuc, A.; Kloetzer, L.; Cascaval, D. Folic Acid Ionic-Liquids-Based Separation: Extraction and Modelling. Molecules 2023, 28, 3339. https://doi.org/10.3390/molecules28083339
7. Blaga, A.C.; Dragoi, E.N.; Munteanu, R.E.; Cascaval, D.; Galaction, A.I. Gallic Acid Reactive Extraction with and without 1-Octanol as Phase Modifier: Experimental and Modeling. Fermentation 2022, 8, 633. https://doi.org/10.3390/fermentation8110633
8. Suditu G.D., Blaga A.C. **(autor corespondent)**, Tataru-Farmus R.E., Zaharia C., Suteu D. - Statistical Analysis and Optimization of the Brilliant Red HE-3B Dye Biosorption onto a Biosorbent Based on Residual Biomass, Materials 2022, 15(20), 7180; https://doi.org/10.3390/ma15207180
9. Blaga, AC ; Tucaliuc, A; Kloetzer, L - Applications of Ionic Liquids in Carboxylic Acids Separation, Membranes, 2022, 12 (8), 771, https://doi.org/10.3390/membranes12080771
10. Tucaliuc, A; Cislaru, A ; Kloetzer, L ; Blaga, AC **(autor corespondent)** - Strain Development, Substrate Utilization, and Downstream Purification of Vitamin C, Processes, 2022, 10 (8), 1595, https://doi.org/10.3390/pr10081595
11. Blaga, AC; Tanasa, AM; Cimpoesu, R; Tataru-Farmus, RE; Suteu, D - Biosorbents Based on Biopolymers from Natural Sources and Food Waste to Retain the Methylene Blue Dye from the Aqueous Medium, Polymers, 2022, 14 (13), 2728, https://doi.org/10.3390/polym14132728
12. Blaga, AC; Cascaval, D; Galaction, AI - Improved Production of alpha-Amylase by *Aspergillus terreus* in Presence of Oxygen-Vector, Fermentation, 2022, 8 (6), 271, https://doi.org/10.3390/fermentation8060271
13. Suteu, D.; Blaga, A.C. **(autor corespondent 1/2)**; Cimpoesu, R.; Puiţel, A.C.; Tataru-Farmus, R.-E.- Composites Based on Natural Polymers and Microbial Biomass for Biosorption of Brilliant Red HE-3B Reactive Dye from Aqueous Solutions. Polymers 2021, 13, 4314. https://doi.org/10.3390/polym13244314
14. Blaga, AC; Zaharia C.; Suteu D. - Polysaccharides as support for microbial biomass-based adsorbents with applications in removal of heavy metals and dyes, Polymers 2021, 13, 2893. https://doi.org/10.3390/polym13172893
15. Lazar, RG; Blaga, **AC (autor corespondent);** Dragoi, EN; Galaction, AI; Cascaval, D - Mechanism, influencing factors exploration and modelling on the reactive extraction of 2-ketogluconic acid in presence of a phase modifier, Separation and Purification Technology, 255, 2021, 117740, https://doi.org/10.1016/j.seppur.2020.117740
16. Lazar, RG; Blaga, AC (**autor corespondent**); Dragoi, EN; Galaction, AI; Cascaval, D - Application of reactive extraction for the separation of pseudomonic acids: Influencing factors, interfacial mechanism, and process modelling, Canadian Journal Of Chemical Engineering, 2021, https://doi.org/10.1002/cjce.24124
17. Ciobanu, CP; Blaga, AC (**autor corespondent**); Froidevaux, R; Krier, F; Galaction, AI; Cascaval, D. Enhanced growth and beta-galactosidase production on Escherichia coli using oxygen vectors, 3 BIOTECH, 2020, 10 (7), https://doi.org/10.1007/s13205-020-02284-4
18. Tucaliuc, A; Blaga, AC (**autor corespondent**); Galaction, AI; Cascaval, D - Mupirocin: applications and production, BIOTECHNOLOGY LETTERS, 2019, 41 (4-5), 495-502, https://doi.org/10.1007/s10529-019-02670-w

19. Blaga, AC; Ciobanu, C; Cascaval, D; Galaction, AI -Enhancement of ergosterol production by Saccharomyces cerevisiae in batch and fed-batch fermentation processes using n-dodecane as oxygen-vector, Biochemical Engineering Journal, 131, 2018, 70-76, https://doi.org/10.1016/j.bej.2017.12.010
20. Blaga, AC; D Cascaval; Kloetzer, L; Tucaliuc, A; Galaction, AI - Valorization Of Microalgal Biomass, Environmental Engineering And Management Journal, 17 (4), 2018,841-854, WOS: 000431134900010
21. Cascaval, D; Blaga, AC (**autor corespondent**); Galaction, AI - Diffusional effects on anaerobic biodegradation of pyridine in a stationary basket bioreactor with immobilized Bacillus spp. cells, Environmental Technology, 39 (2), 2018, 240-252, https://doi.org/10.1080/09593330.2017.1298675
22. Folescu E.; Blaga, AC (**autor corespondent**) - Utilization of olive oil as a potential oxygen-vector in stirred bioreactors, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, 12 (3), 587-594, 2013, WOS:000320144200020
23. Blaga, AC, T. Malutan - Selective Separation of Vitamin C by Reactive Extraction, JOURNAL OF CHEMICAL ENGINEERING DATA, 57 (2), pp 431–435, 2012, https://doi.org/10.1021/je2010193
24. Blaga, AC; Galaction A.I.; Caşcaval D. - Reactive extraction of 2-keto-gluconic acid. Mechanism and influencing factors, ROMANIAN BIOTECHNOLOGICAL LETTERS, 15 (3), 5253-5259, 2010
25. Blaga, AC; Galaction AI; Cascaval D - Separation of Amino Acids from Their Mixture by Facilitated Pertraction with D2EHPA, CHEMICAL AND BIOCHEMICAL ENGINEERING QUARTERLY, 22(4), 439-446, 2008
26. Blaga, AC; Galaction AI; Cascaval D - Extraction and transport of basic amino acids through liquid membranes, REVISTA DE CHIMIE, 58, (11), 1080-1084, 2007

c.) **FIC ≥ 30**
FIC = 102.268

Nr. crt.	**Referința bibliografică**	**FI**	**ni**	**FI/ni**
1.	Dragoi, E.N., Blaga, A.C. (corresponding author), Cascaval, D., Galaction, A.I. - Experimental, modeling and optimisation of adipic acid reactive extraction using ionic liquids, Journal of Molecular Liquids, 2024, 410, 125564, https://doi.org/10.1016/j.molliq.2024.125564	5.3	-	5.3
2.	Blaga, A.C., Dragoi, E.N., Tucaliuc, A., Kloetzer L., Puitel A.C., Cascaval, D., Galaction, A.I. - Reactive extraction of muconic acid by hydrophobic phosphonium ionic liquids - Experimental, modelling and optimisation with Artificial Neural Networks, Heliyon, 2024, 10(16), e36113, https://doi.org/10.1016/j.heliyon.2024.e36113	3.4	-	3.4
3.	Blaga, A.C.; Kloetzer, L.; Cascaval, D.; Galaction, A.-I.; Tucaliuc, A. Studies on Reactive Extraction of Itaconic Acid from Fermentation Broths. Processes 2024, 12, 725. https://doi.org/10.3390/pr12040725	2.8	-	2.8
4.	Suteu, D.; Blaga, A.C.; Rusu, L.; Tanasa, A.M. Saccharomyces pastorianus Residual Biomass Immobilized in a Polymer Matrix as a Biosorbent for Reactive Dye Removal: Investigations in a Dynamic System. Polymers 2024, 16, 491. https://doi.org/10.3390/polym16040491	4.7	4	1.175
5.	Blaga, A.C.; Dragoi, E.N.; Gal, D.G.; Puitel, A.C.; Tucaliuc, A.; Kloetzer, L.; Cascaval, D.; Galaction, A.I. - Selective separation of vitamin C by reactive extraction using ionic liquid: Experimental and modelling, Journal of Industrial and Engineering Chemistry, 2024, 133, https://doi.org/10.1016/j.jiec.2023.11.057	5.9	-	5.9
6.	Blaga, A.C.; Gal, D.G.; Tucaliuc, A. Recent Advances in Muconic Acid Extraction Process. Appl. Sci. 2023, 13,	2.5	-	2.5

	11691.			
7.	Blaga, A.C.; Dragoi, E.N.; Tucaliuc, A.; Kloetzer, L.; Cascaval, D. Folic Acid Ionic-Liquids-Based Separation: Extraction and Modelling. Molecules 2023, 28, 3339	4.2	-	4.2
8.	Rusu, L.; Suceveanu, E.-M.; Blaga, A.-C.; Nedeff, F.M.; Șuteu, D. Insights into Recent Advances of Biomaterials Based on Microbial Biomass and Natural Polymers for Sustainable Removal of Pharmaceuticals Residues. Polymers 2023, 15, 2923. https://doi.org/10.3390/polym15132923	4.7	5	0.94
9.	Barna, A.S.; Maxim, C.; Trifan, A.; Blaga, A.C.; Cimpoesu, R.; Turcov, D.; Suteu, D. Preliminary Approaches to Cosmeceuticals Emulsions Based on N-ProlylPalmitoyl Tripeptide-56 Acetat-Bakuchiol Complex Intended to Combat Skin Oxidative Stress. Int. J. Mol. Sci. 2023, 24, 7004. https://doi.org/10.3390/ijms24087004	4.9	7	0.7
10.	Turcov, D.; Barna, A.S.; Trifan, A.; Blaga, A.C.; Tanasă, A.M.; Suteu, D. Antioxidants from Galium verum as Ingredients for the Design of New Dermatocosmetic Products. Plants 2022, 11, 2454. https://doi.org/10.3390/plants11192454	4	6	0.66
11.	Suditu G.D., Blaga A.C. (autor corespondent), Tataru-Farmus R.E., Zaharia C., Suteu D. - Statistical Analysis and Optimization of the Brilliant Red HE-3B Dye Biosorption onto a Biosorbent Based on Residual Biomass, Materials 2022, 15(20), 7180; https://doi.org/10.3390/ma15207180	3.1	-	3.1
12.	Blaga, AC ; Tucaliuc, A; Kloetzer, L - Applications of Ionic Liquids in Carboxylic Acids Separation, Membranes, 2022, 12 (8), 771, https://doi.org/10.3390/membranes12080771	3.3	-	3.3
13.	Tucaliuc, A; Cislaru, A ; Kloetzer, L ; Blaga, AC (autor corespondent) - Strain Development, Substrate Utilization, and Downstream Purification of Vitamin C, Processes, 2022, 10 (8), 1595, https://doi.org/10.3390/pr10081595	2.8	-	2.8
14.	Blaga, AC; Cascaval, D; Galaction, AI - Improved Production of alpha-Amylase by Aspergillus terreus in Presence of Oxygen-Vector, Fermentation, 2022, 8 (6), 271	3.3	-	3.3
15.	Blaga, AC; Tanasa, AM; Cimpoesu, R; Tataru-Farmus, RE; Suteu, D - Biosorbents Based on Biopolymers from Natural Sources and Food Waste to Retain the Methylene Blue Dye from the Aqueous Medium, Polymers, 2022, 14 (13), 2728,	4.7	-	4.7
16.	Suteu, D.; Blaga, A.C. (autor corespondent); Cimpoesu, R.; Puiţel, A.C.; Tataru-Farmus, R.-E.- Composites Based on Natural Polymers and Microbial Biomass for Biosorption of Brilliant Red HE-3B Reactive Dye from Aqueous Solutions. Polymers 2021, 13, 4314	4.7	-	4.7
17.	Rusu, L.; Grigoraș, C.-G.; Simion, A.-I.; Suceveanu, E.-M.; Blaga, A.-C.; Harja, M. Encapsulation of Saccharomyces pastorianus Residual Biomass in Calcium Alginate Matrix with Insights in Ethacridine Lactate Biosorption. Polymers 2022, 14, 170.	4.7	6	0.671
18.	Popescu, V.; Blaga, A.C.; Pruneanu, M.; Cristian, I.N.; Pîslaru, M.; Popescu, A.; Rotaru, V.; Crețescu, I.; Cașcaval, D. Green Chemistry in the Extraction of Natural Dyes from Colored Food Waste, for Dyeing Protein Textile Materials. Polymers 2021, 13, 3867.	4.7	9	0.522
19.	Popescu, V.; Buciscanu, I.I.; Pruneanu, M.; Maier, S.S.; Danila, A.; Maier, V.; Pîslaru, M.; Rotaru, V.; Cristian, I.N.; Popescu, A.; Istrate, B.; Blaga, A.C.; Ciolacu, F.; Cretescu, I.; Chelariu, P.; Marin, M. Sustainable Functionalization of PAN to Improve Tinctorial Capacity. Polymers 2021, 13, 3665.	4.7	16	0.293
20.	Blaga, AC; Zaharia C.; Suteu D. - Polysaccharides as support for microbial biomass-based adsorbents with applications in removal of heavy metals and dyes, Polymers 2021, 13, 2893	4.7	-	4.7
21.	Lazar, RG; Blaga, AC (autor corespondent); Dragoi, EN; Galaction, AI; Cascaval, D - Application of reactive	1.6	-	1.6

	extraction for the separation of pseudomonic acids: Influencing factors, interfacial mechanism, and process modelling, Canadian Journal Of Chemical Engineering, 2021			
22.	Galaction, AI; Blaga, AC; Tucaliuc, A; Kloetzer, L; Cascaval, D - Modelling of ergosterol production by S. cerevisiae in presence of n-dodecane as oxygen-vector, Romanian Biotechnological Letters, 26 (2), 2464-2470, 2021	0.765	5	0.153
23.	Lazar, RG; Blaga, AC (autor corespondent); Dragoi, EN; Galaction, AI; Cascaval, D - Mechanism, influencing factors exploration and modelling on the reactive extraction of 2-ketogluconic acid in presence of a phase modifier, Separation and Purification Technology, 255, 2021, 117740	8.2	-	8.2
24.	L.I.Horciu, C. Zaharia, A.C. Blaga, L. Rusu, D. Suteu - Brilliant Red HE-3B Dye Biosorption by Immobilized Residual Consortium Bacillus sp. Biomass: Fixed-Bed Column Studies, Applied Science 2021, 11, 4498	2.5	5	0.5
25.	Estevinho, B. N.; Horciu R.; Blaga, A. C., Rocha F. - Development of Controlled Delivery Functional Systems by Microencapsulation of Different Extracts of Plants: Hypericum perforatum L., Salvia officinalis L. and Syzygium aromaticum, Food and Bioprocess Technology, 2021	3.5	4	0.875
26.	Estevinho, B.N.; Lazar, R.; Blaga, A.C.; Rocha F. - Preliminary evaluation and studies on the preparation, characterization and in vitro release studies of different biopolymer microparticles for controlled release of folic acid, Powder Technology, 369, 279-288, 2020	4.5	4	0.9
27.	Horciu, IL; Blaga, AC; Rusu, L.; Zaharia C.; Suteu D. - Biosorption of reactive dyes from aqueous media using the Bacillus sp. residual biomass, Desalination And Water Treatment, 195, 2020, 353-360	1	5	0.2
28.	Ciobanu, Corina Paraschiva; Blaga, Alexandra Cristina; Froidevaux, Renato; et al. - Enhanced growth and beta-galactosidase production on Escherichia coli using oxygen vectors, 3 BIOTECH Volume: 2020, 7,298, 10	2. 6	-	2.6
29.	Tucaliuc, A; Blaga, AC; Galaction, AI; Cascaval, D - Mupirocin: applications and production, Biotechnology Letters, 41, 4-5, 495-502, 2019	2	-	2
30.	Bucurescu, A; Blaga, AC; Estevinho, BN; Rocha, F. -Microencapsulation of Curcumin by a Spray-Drying Technique Using Gum Arabic as Encapsulating Agent and Release Studies, Food And Bioprocess Technology, 11 (10), 2018, 1795-1806	3.5	4	0.875
31.	Blaga, AC; Cascaval, D Cascaval; Kloetzer, L; Tucaliuc, A; Galaction, AI - Valorization Of Microalgal Biomass, Environmental Engineering And Management Journal, 17 (4), 2018,841-854	0.9	-	0.9
32.	Blaga, AC; Ciobanu, C; Cascaval, D; Galaction, AI -Enhancement of ergosterol production by Saccharomyces cerevisiae in batch and fed-batch fermentation processes using n-dodecane as oxygen-vector, Biochemical Engineering Journal, 131, 2018, 70-76	3.7	-	3.7
33.	Cascaval, D; Blaga, AC; Galaction, AI -Diffusional effects on anaerobic biodegradation of pyridine in a stationary basket bioreactor with immobilized Bacillus spp. cells, Environmental Technology, 39 (2), 2018, 240-252	2.2	-	2.2
34.	Kloetzer, L; Bompa, AS; Blaga, AC; Galaction, AI; Cascaval, D - Study on rosmarinic acid separation by synergic extraction, Separation Science and Technology, 53 (4), 2018, 645-654	2.4	5	0.48
35.	Ramona-Mihaela Matran, Anca-Irina Galaction, Alexandra Cristina Blaga, Marius Turnea, Dan Caşcaval, Distribution of Mixing Efficiency in a Split-Cylinder Gas-Lift Bioreactor with Immobilized Yarrowia Lipolytica Cells Used for Olive Oil Mill Wastewater Treatment, Chemical Engineering Communications 2016, 203(5), 666-675	1.9	5	0.38
36.	Madalina Poştaru, Amalia-Stela Bompa, Anca-Irina Galaction, Alexandra Cristina Blaga, Dan Caşcaval, Comparative study on pantothenic acid separation by reactive extraction with tri-n-octylamine and di-(2-ethylhexyl) phosphoric acid, Chem. Biochem. Eng. Quart. 2016, 31(1), 81-92	1.582	5	0.3164

37.	Estevinho, BN; Carlan, I ; Blaga, A; Rocha, F - Soluble vitamins (vitamin B12 and vitamin C) microencapsulated with different biopolymers by a spray drying process, Powder Technology, 289, 71-78	4.5	4	0.9
38.	Belhacene, K; Grosu, EF ; Blaga, AC; Dhulster, P ; Pinteala, M; Froidevaux, - Simple Eco-Friendly Beta-Galactosidase Immobilization On Functionalized Magnetic Particles For Lactose Hydrolysis; Environmental Engineering And Management Journal, 14, 3, 631-638, 2015	0.9	6	0.15
39.	Dan Caşcaval, Ramona Mihaela Matran, Marius Turnea, Alexandra Cristina Blaga, Anca-Irina Galaction, Distribution of mixing efficiency in a split-cylinder gas-lift bioreactor for Yarrowia lipolytica suspensions, Canadian J. Chemical Engineering 2015, 93(1), 18-28.	1.6	5	0.32
40.	Anca-Irina Galaction, Alexandra Cristina Blaga, Ramona Mihaela Matran, Dan Caşcaval, Effect of bed configuration of immobilized biocatalysts on Penicillin G hydrolysis efficiency, Korean J. of Chemical Engineering 2015, 32(2), 216	3	4	0.75
41.	Anca-Irina Galaction, Alexandra Cristina Blaga, Corina Ciobanu, Marius Turnea, Dan Caşcaval, Distribution of oxygen transfer rates in stirred bioreactor for different fermentation broths-oxygen-vectors dispersions, Environmental Engineering and Management Journal 2015, 14(2), 433-447	0.9	5	0.18
42.	Anca-Irina Galaction, Madalina Postaru, Lenuta Kloetzer, Alexandra Cristina Blaga, Dan Caşcaval, Separation of rosmarinic acid by facilitated pertraction, Food and Bioproducts Processing 2015, 94, 621-628	3.5	5	0.7
43.	Ramona-Mihaela Matran, Alexandra Cristina Blaga, Dan Caşcaval, Alexandra Tucaliuc, Anca-Irina Galaction, Comparative studies on kinetics of anaerobic and aerobic biodegradation of lipids from olive oil mill wastewaters with mixture of Bacillus spp. cells, Environmental Engineering and Management Journal 2015, 14(3), 575-579	0.9	5	0.18
44.	Cascaval, Dan, Matran, Ramona Mihaela, Turnea, Marius, Alexandra Cristina Blaga, Galaction, Anca-Irina;; Distribution of Mixing Efficiency in A Split-Cylinder Gas-Lift Bioreactor for Yarrowia Lipolytica Suspensions, Canadian Journal Of Chemical Engineering, 93 (1), 18-28, 2015	1.6	5	0.32
45.	Galaction, Anca-Irina; Matran, Ramona Mihaela; Turnea, Marius, Alexandra Cristina Blaga, Cascaval, Dan - Engineering Aspects of Penicillin G Transfer and Conversion to 6-Aminopenicillanic Acid in a Bioreactor with a Mobile Bed of Immobilized Penicillin Amidase, Chemical Engineering Communications, 201 (12), 1568-1581, 2014	1.9	5	0.38
46.	Carlescu, Alexandra; Alexandra Cristina Blaga; Galaction, Anca- Irina, Turnea Marius, Cascaval D – Interfacial Mass Transfer in the Reactive Extraction Process of Succinic Acid from Viscous Aqueous Solutions, Separation Science And Technology, 49 (7), 974-980, 2014	2.4	5	0.48
47.	Suteu, Daniela; Blaga, Alexandra Cristina; Diaconu, Mariana, Teodor Malutan - Biosorption of reactive dye from aqueous media using Saccharomyces cerevisiae biomass. Equilibrium and kinetic study, Central European Journal Of Chemistry, 11 (12), 2048-2057, 2013	1.46	4	0.365
48.	Matran, Ramona Mihaela; Galaction, Anca-Irina; Blaga, Alexandra Cristina, Dan Cascaval - Green technology for 6-aminopenicillanic acid production - study of penicillin g hydrolysis in a bioreactor with mobile bed of immobilized penicillin amidase under substrate inhibition, Environmental Engineering And Management Journal, 12 (11), 2261-2266, 2013	0.9	4	0.225
49.	Kloetzer, Lenuta; Postaru, Madalina; Galaction, Anca-Irina; Blaga Alexandra Cristina, Dan Cascaval - Comparative study on rosmarinic acid separation by reactive extraction with Amberlite LA-2 and D2EHPA. 1. Interfacial Reaction Mechanism and Influencing Factors, Industrial & Engineering Chemistry Research, 52 (38), 13785-13794, 201	3.8	5	0.76
50.	Folescu, Elena; Blaga, Alexandra Cristina - Utilization of olive oil as a potential oxygen-vector in stirred bioreactors, Environmental Engineering And Management Journal, 12 (3), 587-594, 2013	0.9	-	0.9

51.	Cascaval, Dan; Postaru, Madalina; Galaction, Anca-Irina; Alexandra Cristina Blaga - Fractionation of Carboxylic Acids Mixture Obtained by P. acidipropionici Fermentation Using Pertraction with tri-n- Octylamine and 1-Octanol - Industrial & Engineering Chemistry Research 52 (7), 2685-2692, 2013	3.8	4	0.95
52.	Caşcaval D., Turnea M., Galaction A.I., Alexandra Cristina Blaga. - 6-Aminopenicillanic acid production in stationary basket bioreactor with packed bed of immobilized penicillin amidase—Penicillin G mass transfer and consumption rate under internal diffusion limitation, Biochemical Engineering Journal, 69, pp. 113-122, 2012	3.7	4	0.925
53.	Postaru M., Turnea M., Galaction A.I., Kloetzer L., Alexandra Cristina Blaga, Vlysidis A., Webb C., Carlescu A., Cascaval D. - Modeling of selective pertraction of carboxylic acids produced by Actinobacillus succinogenes fermentation, Environmental Engineering And Management Journal 11 (11), pp 1901-1906, 2012	0.9	9	0.1
54.	Blaga, AC, T. Malutan - Selective Separation of Vitamin C by Reactive Extraction, Journal Of Chemical Engineering Data, 57 (2), pp 431–435, 2012	2	-	2
55.	Anca-Irina Galaction, Alexandra Cristina Blaga, Dan Caşcaval - Study on facilitated pertraction of folic acid in pseudosteady-state regime, Separation Science And Technology, 46 (6), 912-919, 2011.	2.4	3	0.6
56.	L. Kloetzer, Alexandra Cristina Blaga, A.I. Galaction, D. Cascaval - Separation of p-aminobenzoic acid using liquid membrane in presence of phase modifier. Journal Of Biotechnology, 150, p. S398, 2010	4.1	4	1.025
57.	Alexandra Cristina Blaga, Anca-Irina Galaction, Dan Caşcaval - Reactive extraction of 2-keto-gluconic acid. Mechanism and influencing factors, Romanian Biotechnological Letters, 15 (3), 5253-5259, 2010	0.765	-	0.765
58.	Sze Ki Carol Lin, Chenyu Du, Alexandra Cristina Blaga, Maria Camarut, Colin Webb, Christian V. Stevens, Wim Soetaert - Novel resin-based vacuum distillation-crystallisation method for recovery of succinic acid crystals from fermentation broths, Green Chemistry, 12, 666-671, 2010	9.3	7	1.32
59.	Alexandra Cristina Blaga, Galaction AI, Cascaval D - Separation of Amino Acids from Their Mixture by Facilitated Pertraction with D2EHPA, Chemical And Biochemical Engineering Quarterly, 22(4), 439-446, 2008	1.6	-	1.582
60.	Galaction AI, Nicuta N, Alexandra Cristina Blaga, Cascaval D - Selective separation of gentamicins by reactive extraction 1. Study on the extraction process, Romanian Biotechnological Letters, 12 (1) 3065-3071, 2007	0.765	4	0.191
61.	Cascaval D, Galaction AI, Alexandra Cristina Blaga – Photobioreactors, Romanian Biotechnological Letters, 12(5), 3377-3388, 2007	0.765	3	0.255
62.	Alexandra Cristina Blaga, Galaction AI, Cascaval D - Extraction and transport of basic amino acids through liquid membranes, Revista De Chimie, 58, (11), 1080-1084, 2007	1.755	-	1.755
63.	Cascaval D, Galaction AI, Nicuta N, Alexandra Cristina Blaga - Selective separation of gentamicins frorn the biosynthetic mixture by reactive extraction, Separation And Purification Technology, 57(2), 264-269, 2007	8.2	4	2.05
64.	Cascaval D, Alexandra Cristina Blaga, Camarut M, Galaction AI - Comparative study on reactive extraction of nicotinic acid with Amberlite LA-2 and D2EHPA, Separation Science And Technology, 42(2), 389-401, 2007	2.4	4	0.6
		FIC		102.268

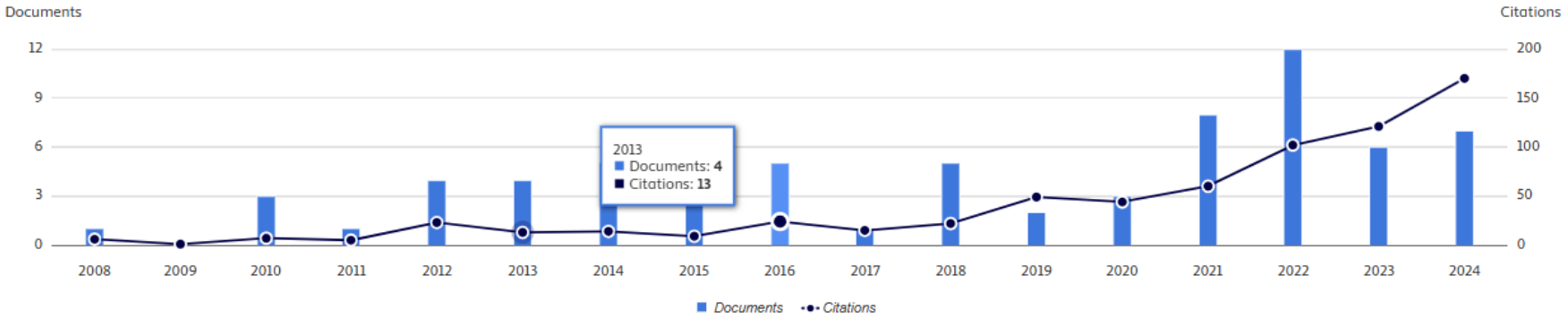
d.) **NC ≥ 200**
NC = 701 (cf. SCOPUS 09.01.2025)

Citation overview

Blaga, Alexandra Cristina

66	701	14
Documents	Citations	h-index

Date range: 2008 to 2024 | Exclude self citations of selected author | Exclude self citations of all authors | Exclude book citations | Hide documents with 0 citations | Export



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	Documents	Year	<2008	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Subtotal	Total
	Total		**0**	**6**	**1**	**7**	**5**	**23**	**13**	**14**	**9**	**24**	**15**	**22**	**49**	**44**	**60**	**102**	**121**	**170**	**685**	**701**
1	Soluble vitamins (vitamin B12 and vitamin ...	2016	0	0	0	0	0	0	0	0	0	5	8	9	12	15	12	20	20	16	117	120
2	Microencapsulation of Curcumin by a Spra...	2018	0	0	0	0	0	0	0	0	0	0	0	0	4	10	15	9	12	8	58	59
3	Novel resin-based vacuum distillation-crys...	2010	0	0	0	0	1	4	2	8	1	6	0	4	5	4	3	6	6	3	53	53
4	Polysaccharides as support for microbial b...	2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	12	10	23	46	46
5	Comparative study on reactive extraction ...	2007	0	4	1	4	1	8	3	0	0	0	0	3	4	0	0	2	1	1	32	32
6	Green chemistry in the extraction of natur...	2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	8	12	24	24

e.) NCO ≥ 1 (in calitate de Director proiect/ responsabil Proiect)
NCO = 2

1. Separation of some vegetal and microbial compounds by non-conventional techniques - reactive extraction and facilitated pertraction, 2007-2008 (CNCSIS-TD) – Director de proiect (TD/33GR/23.05.2007 - valoare 23.000 RON (3,2785 – 7015 Euro) si 77GR/11.06.2008 – valoare 27.000 RON, 3.6673 – 7362 Euro) valoare totala grant **Euro 14377**
2. Valorificarea superioara a biomasei prin recuperarea unor compusi valorosi, [BIOEXTR], Program: PN-III-P1-1.1-TE, Cod proiect: PN-III-P1-1.1-TE-2021-0153, Contract de finanţare: PN III TE, nr. TE 16⁄2022, Valoarea totală: **450.000,00 lei**

Data: 09.01.2025
Candidat. conf.dr.ing. Alexandra Blaga