

Fișa de verificare a îndeplinirii standardelor minimale
(valabilă pentru obținerea atestatului de abilitare în Domeniul Medicină sau Domeniul Farmacie)
(în conformitate cu O.M. 6129/20.12.2016)

Candidat EDE BODOKI

Nr. Crt.	Activitatea	Tipul activităților	Standarde minimale abilitare	Note asupra metodei de calcul	Gradul de îndeplinire
0	1	2	3	4	5
1.	Cercetare	<p>a. Articole <i>in extenso</i> in reviste cotate ISI Thomson Reuters (<i>articole în reviste cu factor de impact</i>) în calitate de autor principal</p> <p>1. Ophthalmic nanosystems with antioxidants for the prevention and treatment of eye diseases, E. Dinte, O. Vostinaru, O. Samoila, B. Sevastre, E. Bodoki, <i>Coatings</i>, 2020, 10(1), 36</p> <p>2. Biomimetic electrochemical sensor for the highly selective detection of azithromycin in biological samples, I.A. Stoian, B.-C. Iacob, C.-L. Dudas, L. Barbu-Tudoran, D. Bogdan, I.O. Marian, E. Bodoki, R. Oprean, <i>Biosensors & Bioelectronics</i> 155:112098</p> <p>3. Perspectives of molecularly imprinted polymer-based drug delivery systems in cancer therapy, A.E. Bodoki, B.-C. Iacob, E. Bodoki, <i>Polymers</i>, 2019, 11(12), 2085</p> <p>4. A chiral electrochemical system based on l-cysteine modified gold nanoparticles for propranolol enantiodiscrimination: electroanalysis and computational modelling, I.-A. Stoian, B.-C. Iacob, J.P. Prates Ramalho, I.O. Marian, V. Chiș, E. Bodoki, R. Oprean, <i>Electrochimica Acta</i>, 2019, 326, 134961,</p> <p>5. Selectivity evaluation of phenyl based stationary phases for the analysis of amino acid diastereomers by liquid chromatography coupled with mass spectrometry, R.-C. Moldovan, E. Bodoki, A.-C. Servais, J. Crommen, R. Oprean, M. Fillet, <i>Journal of Chromatography A</i>, 2019, 1590, 80-87</p> <p>6. Topical nanodelivery system of lutein for the prevention of selenite-induced cataract, E. Bodoki, O. Vostinaru, O. Samoila, E. Dinte, A.E. Bodoki, S. Swetledge, C.E. Astete, C.M. Sabliov, <i>Nanomedicine: Nanotechnology, Biology and Medicine</i>, 2019, 15(1), 188-197</p> <p>7. Improved enantioselectivity for atenolol employing pivot based molecular imprinting, A.E. Bodoki, B.-C. Iacob, L.E. Gliga, S.L. Oprean, D.A. Spivak, N. Gariano, E. Bodoki, <i>Molecules</i>, 2018, 23(8), 1875</p> <p>8. Perspectives in the design of zein-based polymeric delivery systems with programmed wear down for sustainable agricultural applications, T. Kacsó, I.O. Neaga, A. Erinez, C. Astete, C. Sabliov, R. Oprean, E. Bodoki, <i>Polymer Degradation and Stability</i>, 2018, 155, 130-135</p> <p>9. Zein nanoparticles uptake and translocation in hydroponically grown sugarcane plants, A. Prasad, C. Astete, A.E. Bodoki, McK. Windham, E. Bodoki, C.M. Sabliov, <i>Journal of Agricultural and Food Chemistry</i>, 2017, 66(26), 6544-6551</p> <p>10. Determination of rosmarinic acid by hptlc-image analysis in medicinal teas and their biological properties, D. Benedec, I. Oniga, A. Kozma-Imre, D. Hanganu, V. Tarmure, E. Bodoki, <i>Farmacia</i>, 2017, 65(4), 605-609</p> <p>11. Predicting chromatographic behavior of several chiral β-blockers from molecular structure by qspr analysis, Mona Maria Talmaciu, Ede Bodoki, James Platts, Radu Oprean, <i>Studia UBB Chemia</i>, 2016, (61)4, 99 – 112</p> <p>12. Study of the molecular recognition mechanism of an ultrathin mip film-based chiral electrochemical sensor, Bogdan-Cezar Iacob, Ede Bodoki, Cosmin Farcau, Lucian Barbu-Tudoran, Radu Oprean, <i>Electrochimica Acta</i>, 2016, 217, 195-202</p> <p>13. Analysis of perfumes with synthetic human pheromones by gas chromatography-mass spectrometry, Ioana Gavris, Ede Bodoki, Radu Oprean, <i>Farmacia</i>, 2016, 64(5), 793-796</p> <p>14. Study of nucleic acid-ligand interactions by capillary electrophoretic techniques: a review, Ioan O. Neaga, Ede Bodoki, Stephanie Hambye, Bertrand Blankert, Radu Oprean, <i>Talanta</i>, 2016, 148, 247-256</p> <p>15. Chiral separation of 16 beta-blockers on immobilized polysaccharide chiral stationary phases, Radu-Cristian Moldovan, Gabriel-Sorin Dascăl, Ede Bodoki, Valentin Mirel, Radu Oprean, <i>Farmacia</i>, 2015, 63(6), 909-912</p> <p>16. Assessment of perfume ingredients with aphrodisiac potential by gas chromatography-mass spectrometry, Ioana Gavris, Ede Bodoki, Philippe Verite, Radu Oprean, <i>Farmacia</i>, 2015, 63(5), 760-764</p>	minim 10 articole	<p>În analiză vor fi incluse articole <i>in extenso</i> originale și reviews. Autorul sau autorii principali ai unei publicații se consideră a fi oricare dintre următorii:</p> <ol style="list-style-type: none"> Primul autor Autorul corespondent Alți autori, a căror contribuție este indicată explicit în cadrul publicației a fi egală cu contribuția primului autor sau a autorului corespondent Ultimul autor <p>33 articole</p>	Îndeplinit

	<p>17. Mechanistic study of colchicine's electrochemical oxidation, Ede Bodoki, Ruxandra Chira, Valentin Zaharia, Robert Săndulescu, Electrochimica Acta, 2015, 178, 624-630</p> <p>18. Ab initio study of the na-colchicine positively charged complex, Ede Bodoki, Diana Bogdan, Robert Săndulescu, Farmacia, 2015, 63(4) 539-542</p> <p>19. Mechanistic study of colchicine's reduction behavior, Ede Bodoki, Laurian Vlase, Robert Săndulescu, Electrochemistry Communications, 2015, 56, 51-55</p> <p>20. Nanostructured platform based on graphene-polypyrrole composite for immunosensor fabrication, Andreea Cernat, Mihaela Tertis, Claudia Nicoleta Păpără, Ede Bodoki, Robert Săndulescu, Int. J. Electrochem. Sci., 2015, 10, 4718 – 4731</p> <p>21. Simultaneous enantiospecific recognition of several β-blocker enantiomers using molecularly imprinted polymer-based electrochemical sensor, Bogdan-Cezar Iacob, Ede Bodoki, Adrian Florea, Andreea Elena Bodoki, Radu Oprean, Analytical Chemistry, 2015, 87, 2755-2763</p> <p>22. Surface modeling of nanopatterned polymer films obtained by colloidal templated electropolymerization, Andreea Cernat, Ede Bodoki, Cosmin Farcău, Simion Astilean, Sophie Griveau, Fethi Bedioui, Robert Săndulescu, Journal of Nanoscience and Nanotechnology, 2015, 15, 3359-3364</p> <p>23. Recent advances in capillary electrochromatography using molecularly imprinted polymers, Bogdan-Cezar Iacob, Ede Bodoki, Radu Oprean, Electrophoresis, 2014, 35(19) 2722-2732 (IF 3.161)</p> <p>24. The analysis of small ions with physiological implications using capillary electrophoresis with contactless conductivity detection, Ioan-Ovidiu Neaga, Bogdan Cezar Iacob, Ede Bodoki, Journal of Chromatography & Related Technologies, 2014, 37(14) 2072-2090</p> <p>25. Adsorption geometry of propranolol enantiomers on silver nanoparticles, Rareș Știuțiu, Cristian Iacoviță, Constantin M. Lucașiu, Gabriela Știuțiu, Raul Nicoara, Mircea Oltean, Vasile Chis, Ede Bodoki, Journal of Molecular Structure, 1031, 2013, 201-206</p> <p>26. Multivariate calibration and modeling of UV-Vis spectra of guest-host complexes for the determination of the enantiomeric ratio of propranolol, Bogdan-Cezar Iacob, Ioana Tiuca, Ede Bodoki, Radu Oprean, Farmacia, 61(1) 2013, 79-87</p> <p>27. Determination of the enantiomeric ratio of warfarin in tablets by multivariate calibration and modeling of spectroscopic data, Ede Bodoki, Ioana Tiuca, Bogdan-Cezar Iacob, Oana Hosu, Radu Oprean, Farmacia, Vol.60(3), 2012, 386-393</p> <p>28. Chiral recognition and quantification of propranolol enantiomers by surface enhanced raman scattering through supramolecular interaction with β-cyclodextrin, Ede Bodoki, Mircea Oltean, Andreea Bodoki, Rareș Știuțiu, Talanta, 101, 2012, 53-58</p> <p>29. Capillary electromigration techniques for the quantitative analysis of colchicine, Ede Bodoki, Bogdan Cezar Iacob, Radu Oprean, Croatica Chemica Acta, 84(3), 2011, 383-391</p> <p>30. Chemometric interpretation of spectroscopic data for chiral probing: a review, Ede Bodoki, Bogdan Cezar Iacob, Ioana Tiuca, Radu Oprean, Farmacia, Vol.59(3), 2011, 283-303</p> <p>31. Electrochemical behavior of colchicine using graphite based screen-printed electrodes, Ede Bodoki, Serena Laschi, Ilaria Palchetti, Robert Săndulescu, Marco Mascini, Talanta, 76(2), 2008, 288-294</p> <p>32. Method validation in quantitative electrochemical analysis of colchicine using glassy carbon electrode, Ede Bodoki, Robert Sandulescu, Liviu Roman, Central European Journal of Chemistry, 5(3) 2007, p.766-778</p> <p>33. Fast determination of colchicine by tlc-densitometry from pharmaceuticals and vegetal extracts, E. Bodoki, R. Oprean, L. Vlase, M. Tamas R. Sandulescu, Journal of Pharmaceutical and Biomedical Analysis, 37(5), 2005, 971-977</p>			
	<p>b. (ISI) Factor cumulată de Impact autor principal (FCIAP)</p> <p>FCIAP = 92,159</p>	<p>minim 10</p>	<p>O revistă cotată ISI este o revistă pentru care Thomson Reuters calculează și publică factorul de impact în „Journal Citation Reports”.</p> <p>Factorul cumulată de Impact va fi calculat pentru articolele la care candidatul este autor principal (FCIAP=suma factorilor de impact ai articolelor publicate de autor în calitate de autor principal în reviste cotate ISI)</p> <p>FCIAP = 92,159</p>	<p>Îndeplinit</p>
	<p>c. Articole <i>in extenso</i> in reviste cotate ISI Thomson Reuters în calitate de coautor</p> <p>1. Bioactive aliphatic polycarbonates carrying guanidinium functions: an innovative approach for myotonic dystrophy type 1 therapy, A. Baroni, I. Neaga, N. Delbosc, M. Wells, L. Verdy, E. Anseau, J.J. Vanden Eynde, A. Belayew, E. Bodoki, R. Oprean, S. Hambye, B. Blankert, ACS Omega, 2019, 4(19), 18126-18135</p> <p>2. Securidaca-saponins are natural inhibitors of akt, mcl-1, and bcl211 in cervical cancer cells, T.O. Obasi,</p>	<p>minim 5 articole</p>	<p>25 articole</p>	<p>Îndeplinit</p>

C. Braicu, B.C. Iacob, E. Bodoki, A. Jurj, L. Raduly, I. Berindan-Neagoe, R. Oprean, *Cancer Management and Research*, 2018, 10, 5709-5724

3. Capillary electrophoresis-mass spectrometry of derivatized amino acids for targeted neurometabolomics – pH mediated reversal of diastereomer migration order, R. Moldovan, E. Bodoki, A-C. Servais, B. Chankvetadze, J. Crommen, R. Oprean, M. Fillet, *Journal of Chromatography A*, 2018, 1564, 199-206

4. Affinity capillary electrophoresis for identification of active drug candidates in myotonic dystrophy type 1, I.O. Neaga, S. Hambye, E. Bodoki, C. Palmieri, E. Anseau, A. Belayew, R. Oprean, B. Blankert, *Analytical and Bioanalytical Chemistry*, 2018, 410(18), p1-13

5. Zein nanoparticles uptake by hydroponically grown soybean plants, K. Ristroph, C.E. Astele, E. Bodoki, C.M. Sabliov, *Environmental Science & Technology*, 2017, 51(24), 14065-14071

6. Molecular-trapping in emulsion's monolayer: a new strategy for production and purification of bioactive saponins, T.C. Obasi, R. Moldovan, A. Toiu, C. Braicu, E. Bodoki, I. Berindan-Neagoe, I. Oniga, R. Sandulescu, R. Oprean, *Scientific Reports*, 2017, 7(14511), 1-9

7. Characterization of *Orthosiphon stamineus* Benth. Extracts by reversed-phase thin layer chromatographic methods, N.-K. Olah, D. Hanganu, E. Bodoki, R. Oprean, C. Toma, C. Morgovan, E. Chișe, A. Brașovan, S.C.A. Cobzac, S. Gocan, *Studia UBB Chemia*, 2017, LXII, 3, 9-18

8. (+) or (-)-1-(9-fluorenyl)ethyl chloroformate as chiral derivatizing agent: a review, R-C. Moldovan, E. Bodoki, A-C. Servais, J. Crommen, R. Oprean, M. Fillet, *Journal of Chromatography A*, 2017, 1513, 1-17 (IF 3.716)

9. Climatic conditions influence emerging mycotoxin presence in wheat grain in romania - a two year survey, O. Stanciu, C. Joan, D. Miere, A. Dumitrescu, E. Bodoki, F. Loghin, J. Mañes, *Crop Protection*, 2017 (100) 124-133

10. A micellar electrokinetic chromatography-mass spectrometry approach using in-capillary diastereomeric derivatization for fully automated chiral analysis of amino acids, Radu Moldovan, Ede Bodoki, Timea Kacsó, Anne-Catherine Servais, Jacques Crommen, Radu Oprean, Marianne Fillet, *Journal of Chromatography A*, 2016, 1467, 400-408

11. Application of capacitively coupled contactless conductivity as an external detector for zone electrophoresis in poly(dimethylsiloxane) chips, Péter. I. Koczka, Ede Bodoki, Attila Gáspár, *Electrophoresis*, 2016, 37(3), 398-405

12. Removal of nitroaniline from water/ethanol by electrocoagulation using response surface methodology, Guy Bertrand Tamme, Charles P. Nansou-Njiki, Ede Bodoki, Robert Săndulescu, Radu Oprean, Emmanuel Ngameni, *Clean - Soil, Air, Water*, 2016, 44(4), 430-437

13. Surface mediated chiral interactions between cyclodextrins and propranolol enantiomers: a sers and dft study, Rares Stăniuc, Cristian Iacovita, Gabriela Stăniuc, Ede Bodoki, Vasile Chis, Constantin M. Luacesiu, *Physical Chemistry Chemical Physics*, 2015, 17, 1281-1289

14. Development and validation of nir-chemometric methods for chemical and pharmaceutical characterization of meloxicam tablets, Ioan Tomuță, Rares Iovanov, Loredana Vonica, Ede Bodoki, Sorin Leucuța, *Drug Development and Industrial Pharmacy*, 2014, 40(4) 549-559

15. ATR-IR and Raman spectroscopic study of interaction between major calixarene derivatives and oral anticoagulants, Ioana Țiuca, Alina Saponar, Andreea Bodoki, Eric Ziémens, Ede Bodoki, Philippe Hubert, Radu Oprean, *Farmacia*, 2013, 61(5), 874-882

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17. Flow electrochemical analyses of zinc by stripping voltammetry on graphite felt electrode, B. Feier, D. Floner, C. Cristea, E. Bodoki, R. Sandulescu, F. Geneste, *Talanta*, 98, 2012, p. 152-156

18. Generic systems for the enantioseparation of basic drugs in naee using single-isomer anionic CDs, Rousseau A., Gillotin F., Chiap P., Bodoki E., Crommen J., Fillet M., Servais A-C., *Journal of Pharmaceutical and Biomedical Analysis*, 54(1), 2011, p. 154-159

19. The electrochemical behavior of some local anaesthetics on screen printed electrodes modified with calixarenes, Gabriela Duțu, Cecilia Cristea, Bodoki Ede, Veronica Hârceagă, Alina Saponar, Elisabeth-Jeanne Popovici, Robert Săndulescu, *Farmacia*, Vol.59(2), 2011, p. 147-160

20. Screen-printed electrodes modified with hrp-zirconium alcocide film for the development of a biosensor for acetaminophen detection, Sima Veronica, Cristea Cecilia, Bodoki Ede, Duțu Gabriela, Săndulescu Robert, *Central European Journal of Chemistry*, 8(5), 2010, p. 1034-1040

21. Quantification of meloxicam and excipients on intact tablets by near infrared spectrometry and chemometry, Tomuță Ioan, Iovanov Rares, Bodoki Ede, Leucuța Sorin, *Farmacia*, 58(5), 2010, p. 559-571

22. Chemometric ways of improvement of heavy metals recovery yields from toxic wastes using mixtures of strong acids, Hubert K.N., Bodoki E., Douidou B.D., Oprean R., Săndulescu R., *Revista de Chimie*, 61(12), 2010, p. 1186-1191

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24. Amperometric biosensor based on horseradish peroxidase immobilised magnetic microparticles, D. Yu, B. Blankert, E. Bodoki, S. Bolo, J.-C. Viré, R. Sandulescu, A. Nomura, J.-M. Kauffmann, *Sensors and Actuators B*, 113, 2006, p. 749-754

	25. Electrochemical, chemical and enzymatic oxidations of phenothiazines, B. Blankert, H. Hayen, S. M. van Leeuwen, U. Karst, E. Bodoki, S. Lotrean, R. Sandulescu, N. Mora Diez, O. Dominguez, J. Arcos, J.-M. Kauffmann, Electroanalysis, 17(17), 2005, p. 1501-1510			
	d. Index Hirsch h-index = 14	minim 6	Va fi luat în considerare Indexul Hirsch calculat utilizând ISI Web of Science, Core Collection, Thomson Reuters h-index = 14	Îndeplinit

Cluj – Napoca,

15.04.2020

Semnătura

Bodoki