

# LISTĂ LUCRĂRI ȘTIINȚIFICE

Conferențiar dr. **Mihaela Buleandră**

## **Cărți și capitole de cărți**

1. Ion Tănase, **Mihaela Buleandră**, Dana-Elena Popa (2011) *Analiză instrumentală. Caiet de lucrări practice*, Editura Universității din București, ISBN 978-973-737-934-4, 101 p.
2. **Mihaela Buleandră** (2010) *Elemente de standardizare și legislația mediului*, Ediția a II-a, Editura Universității din București, ISBN 978-973-737-774-6, 340 p.
3. **Mihaela Buleandră** (2007) *Elemente de standardizare și legislația mediului*, Editura Universității din București, ISBN 978-973-737-397-7, 286 p.
4. Ion Tănase, Gabriel Lucian Radu, Alexandru Pană, **Mihaela Buleandră** (2007) *Validarea metodelor analitice. Principii teoretice și studii de caz*, Editura Printech, București, ISBN 978-973-718-784-0, 506 p.
5. Ion Tănase, Dana-Elena Popa, **Mihaela Buleandră** (2006) *Trasabilitatea în măsurarea chimică*, Editura Ars Docendi, București, ISBN 978-973-558-247-0, 336 p.
6. Ion Tănase, Camelia Bala, **Mihaela Buleandră** (2004) *Calitatea, managementul calității în laboratorul analitic de încercare și acreditarea*, Editura Ars Docendi, București, ISBN 973-558-149-3, 646 p.
7. Monica Nidelea, Ion Tănase, **Mihaela Buleandră**, Gabriel Lucian Radu (2003) „Electroanaliza cu electrozi chimic modificați”, în *Tendențe actuale în bioanaliză*, Editura Printech, București, ISBN 973-652-882-0, p. 190-215.
8. Ion Tănase, **Mihaela Buleandră** (2002) *Standardizarea și metrologia în chimia analitică*, Editura Ars Docendi, ISBN 9735580640, 447 p.
9. **Mihaela Buleandră**, Gabriel Lucian Radu, Ion Tănase (2001) “Aspecte privind interacția dintre cationii metalici și moleculele organice de interes biologic”, în *Noutăți în biotehnologie*, Editura Ilex, București, ISBN 973-99015-1-4, p. 237-302.
10. **Mihaela Buleandră**, Gabriel Lucian Radu, Ion Tănase (2001) “Specierea prin tehnici electroanalitice a metalelor din probe biologice și mediul înconjurător”, în *Tendențe actuale în biotehnologie*, Editura Ilex, București, ISBN 973-99015-5-7, p. 312-336.
11. Ion Tănase, Gabriel Lucian Radu, **Mihaela Buleandră**, Simona Lițescu (1998) *Aplicații ale tehnicilor electrochimice în bioanaliză*, vol. 1, Ed. ProTransilvania, București, ISBN: 973-98548-4-2, 327 p.

## **Articole în reviste indexate ISI**

1. Iulia Gabriela David, Emilia Elena Iorgulescu, Dana Elena Popa, **Mihaela Buleandră**, Mihaela Carmen Cheregi, Hassan Noor (2023) Curcumin electrochemistry – Antioxidant activity assessment, voltammetric behavior and quantitative determination, applications as electrode modifier, *Antioxidants*, 12(11), 1908. <https://doi.org/10.3390/antiox12111908>
2. Iulia Gabriela David, Dana Elena Popa, Mihaela Buleandră, Silvia Nicoleta Codreanu, Lorelei Croitoru, Laura Andreea Iordache, Hassan Noor (2023) Voltammetric investigation of ferulic acid at disposable pencil graphite electrode, *Micromachines*, 14, 1951. <https://doi.org/10.3390/mi14101951>.
3. Dana Elena Popa, Iulia Gabriela David, Mihaela Carmen Cheregi, Emilia Elena Iorgulescu, **Mihaela Buleandră** (2023) (Bio)electroanalytical approaches for the determination of microtubule-targeting agents used in cancer chemotherapy, *Microchemical Journal*, 192, 108965, 1-11, 10.1016/j.microc.2023.108965.
4. Ioana Cristina Marinas, Eliza Oprea, Diana Madalina Gaboreanu, Gratiela Gradisteanu Pircalabioru, **Mihaela Buleandra**, Eugenia Nagoda, Irinel Adriana Badea, Mariana-Carmen Chifiriuc (2023) Chemical and biological studies of *Achillea setacea herba* essential oil. First

- report on some antimicrobial and antipathogenic features and mechanisms, *Antibiotics*, 12, 371, 10.3390/antibiotics12020371.
5. Hassan Noor, Iulia Gabriela David, Maria Lorena Jinga, Dana Elena Popa, **Mihaela Buleandră**, Emilia Elena Iorgulescu, Adela Magdalena Ciobanu (2023) State of the art on developments of (bio)sensors and analytical methods for rifamycin antibiotics determination, *Sensors*, 23, 976, 10.3390/s23020976.
  6. Iulia Gabriela David, Simona Carmen Litescu, Raluca Moraru, Camelia Albu, **Mihaela Buleandră**, Dana Elena Popa, Sorin Riga, Adela Magdalena Ciobanu, Hassan Noor (2022) Electroanalysis of naringin at electroactivated pencil graphite electrode for the assessment of the content of polyphenolics with intermediate antioxidant power, *Antioxidants*, 11(12), 2306, 10.3390/antiox1112230.
  7. **Mihaela Buleandră**, Anca Aurelia Pătrașcu, Dana Elena Popa, Iulia Gabriela David, Irinel Adriana Badea, Anton Alexandru Ciucu (2022) Facile electrochemical sensor for sensitive and selective determination of guaifenesin, phenylephrine and paracetamol on electrochemically pretreated pencil graphite electrode, *Micromachines*, 13(8), 1213, 10.3390/mi13081213.
  8. Iulia Gabriela David, Andreea Laura Panait, **Mihaela Buleandră**, Dana Elena Popa, Mihaela Carmen Cheregi (2022) Simple voltammetric analysis of sulfamethoxazole at a disposable pencil graphite electrode, *Revue Roumaine de Chimie*, 67(3), 177-183, 10.33224/rch.2022.67.3.06.
  9. Daniel Preda, Iulia Gabriela David, Dana-Elena Popa, **Mihaela Buleandră**, Gabriel Lucian Radu (2022) Recent trends in the development of carbon-based electrodes modified with molecularly imprinted polymers for antibiotic electroanalysis, *Chemosensors*, 10(7), 243, 10.3390/chemosensors10070243.
  10. Cornelia-Ioana Ilie, Eliza Oprea, Elisabeta-Irina Geană, Angela Spoială, **Mihaela Buleandră**, GrațIELA Pîrcălăbioru Grădișteanu, Irinel Adriana Badea, Denisa Fikai, Ecaterina Andronescu, Anton Fikai, Lia-Mara Dițu (2022) Bee pollen extracts: chemical composition, antioxidant properties and effect on the growth of selected probiotic and pathogenic bacteria, *Antioxidants*, 11(5), 959, 10.3390/antiox11050959.
  11. Iulia Gabriela David, **Mihaela Buleandră**, Dana Elena Popa, Mihaela Cheregi, Emilia Elena Iorgulescu (2022) Past and present of electrochemical sensors and methods for amphenicol antibiotic analysis, *Micromachines*, 13(5), 677, 10.3390/mi13050677.
  12. Iulia Gabriela David, **Mihaela Buleandră**, Dana Elena Popa, Mihaela Carmen Cheregi, Vasile David, Emilia-Elena Iorgulescu, Oana Georgiana Tartareanu (2022) Recent developments in voltammetric analysis of pharmaceuticals using disposable pencil graphite electrodes, *Processes*, 10(3), 472, 10.3390/pr10030472.
  13. **Mihaela Buleandră**, Dana Elena Popa, Adrian Popa, Nicoleta Ana Maria Codreanu, Iulia Gabriela David (2022) Multi-analyte sensor based on pencil graphite electrode for riboflavin and pyridoxine determination, *Journal of Electrochemical Society*, 169, 017517, 10.1149/1945-7111/ac4c77.
  14. Iulia Gabriela David, **Mihaela Buleandră**, Dana-Elena Popa, Ana Maria Bercea, Anton Alexandru Ciucu (2022) Simple electrochemical chloramphenicol assay at a disposable pencil graphite electrode by square wave voltammetry and linear sweep voltammetry, *Analytical Letters*, 55(10), 1531-1548, 10.1080/00032719.2021.2012480.
  15. Iulia Gabriela David, Nimet Numan, **Mihaela Buleandră**, Dana-Elena Popa, Simona Carmen Lițescu-Filipescu, Sorin Riga, Adela Magdalena Ciobanu (2021) Rapid voltammetric screening method for the assessment of bioflavonoid content using the disposable bare pencil graphite electrode, *Chemosensors*, 9(11), 323, 10.3390/chemosensors9110323.
  16. Iulia Gabriela David, Marian Gabriel Gâsnac, **Mihaela Buleandră**, Dana Elena Popa (2021) Simple and fast square wave voltammetric method for histamine H<sub>2</sub>-receptor antagonist famotidine quantification, *Revue Roumaine de Chimie*, 66(6), 573-578, 10.33224/rch.2021.66.6.10.
  17. **Mihaela Buleandră**, Anton Alexandru Ciucu, Iulia Gabriela David, Dana Elena Popa, Adela Magdalena Ciobanu, Cristian Dragoș Ștefănescu (2021) Simultaneous determination of

- epinephrine and norepinephrine by electrochemical reduction at pre-treated pencil graphite electrode, *Revue Roumaine de Chimie*, 66(6), 567-572, 10.33224/rch.2021.66.6.09.
18. Adela Magdalena Ciobanu, Ioana Ioniță, **Mihaela Buleandră**, Iulia Gabriela David, Dana Elena Popa, Anton Alexandru Ciucu, Magdalena Budișteanu (2021) Current advances in metabolomic studies on non-motor psychiatric manifestations of Parkinson's disease, *Experimental and Therapeutic Medicine*, 22(3), 1-7, 10.3892/etm.2021.10443.
  19. Adela Magdalena Ciobanu, Luana Geza, Iulia Gabriela David, Dana Elena Popa, **Mihaela Buleandră**, Anton Alexandru Ciucu, Liana Dehelean (2021) Actualities in immunological markers and electrochemical sensors for determination of dopamine and its metabolites in psychotic disorders, *Experimental and Therapeutic Medicine*, 22(2), 1-8, 10.3892/etm.2021.10320.
  20. Anton Alexandru Ciucu, **Mihaela Buleandră**, Tatiana Ciurea, Vlad Nicolae Stoica, Cristian Dragoș Ștefănescu, Adela Ciobanu (2021) A new voltammetric approach for electrochemical determination of lamotrigine in pharmaceutical samples, *Electroanalysis*, 33, 1389-1392, 10.1002/elan.202100037.
  21. Ioana Cristina Marinas, Eliza Oprea, **Mihaela Buleandră**, Irinel Adriana Badea, Bianca Maria Tihauan, Luminita Marutescu, Marin Angheloiu, Elena Matei, Carmen Mariana Chifiriuc (2021) Chemical composition, antimicrobial and cytotoxic activity of *Amorpha fruticosa* essential oil, *Molecules*, 26(11), 3146, 10.3390/molecules26113146.
  22. Iulia Gabriela David, Alexandra-Gabriela Oancea, **Mihaela Buleandră**, Dana Elena Popa, Emilia Elena Iorgulescu, Adela Magdalena Ciobanu (2021) Disposable pencil graphite electrode for diosmin voltammetric analysis, *Micromachines*, 12(4), 351, 10.3390/mi12040351.
  23. **Mihaela Buleandră**, Dana Elena Popa, Iulia Gabriela David, Anton Alexandru Ciucu (2021) A simple and efficient cyclic square wave voltammetric method for simultaneous determination of epinephrine and norepinephrine using an activated pencil graphite electrode, *Microchemical Journal*, 160, 105621, 1-7, 10.1016/j.microc.2020.105621.
  24. Iulia Gabriela David, Dana Elena Popa, **Mihaela Buleandră**, Mihaela Carmen Cheregi (2020) Electrochemical methods and (bio)sensors for rosmarinic acid investigation, *Chemosensors*, 8(3), 74, 10.3390/chemosensors8030074.
  25. Cristina Dinu, Gabriela-Geanina Vasile, **Mihaela Buleandră**, Dana Elena Popa, Ștefania Gheorghe, Eleonora-Mihaela Ungureanu (2020) Translocation and accumulation of heavy metals in *Ocimum basilicum* L. grown in a mining contaminated soil, *Journal of Soil and Sediments*, 20, 2141-2154, 10.1007/s11368-019-02550-w.
  26. Dumitra Tatiana Panaite, Rodica Criste, Petru Alexandru Vlaicu, Mihaela Sărăcilă, Cristina Tabuc, Margareta Olteanu, Raluca Paula Turcu, **Mihaela Buleandră** (2019) Influence of *Artemisia annua* on broiler performance and intestinal microflora, *Brazilian Journal of Poultry Science*, 21(4), eRBCA-2019-1092, 10.1590/1806-9061-2019-1092.
  27. Iulia Gabriela David, Lorelei Iordache, Dana Elena Popa, **Mihaela Buleandră**, Victor David, Emilia-Elena Iorgulescu (2019) Novel voltammetric investigation of dipyridamole at disposable pencil graphite electrode, *Turkish Journal of Chemistry*, 43(4), 1109-1122, 10.3906/kim-1903-64.
  28. **Mihaela Buleandră**, Dana Elena Popa, Iulia Gabriela David, Elena Bacalum, Victor David, Anton Alexandru Ciucu (2019) Electrochemical behavior study of some selected phenylurea herbicides at activated pencil graphite electrode. Electrooxidation of linuron and monolinuron, *Microchemical Journal*, 147, 1109-1116, 10.1016/j.microc.2019.04.042.
  29. Iulia Gabriela David, Simona Carmen Lițescu, Dana Elena Popa, **Mihaela Buleandră**, Lorelei Iordache, Camelia Albu, Andreea Tache, Ramona Liliana Penu (2018) Voltammetric analysis of naringenin at a disposable pencil graphite electrode - application to polyphenol content determination in citrus juice, *Analytical Methods*, 10(48), 5763-5772, 10.1039/C8AY02281J.
  30. **Mihaela Buleandră**, Anton Alexandru Ciucu, Dragoș Cristian Ștefănescu (2018) Simple real-time voltammetric method for captopril determination in pharmaceutical formulation, *Revista de Chimie*, 69(10), 2858-2862, 10.37358/RC.18.10.6640.

31. Gabriela Geanina Vasile, Dana Elena Popa, **Mihaela Buleandră**, Iulia Gabriela David (2018) An experimental design for the optimization of the extraction methods of metallic mobile fractions from environmental solid samples, *Environmental Monitoring and Assessment*, 190:609, 1-12, 10.1007/s10661-018-6983-x.
32. **Mihaela Buleandră**, Andreea Alexandra Rabinca, Mihaela Carmen Cheregi, Anton Alexandru Ciucu (2018) Rapid voltammetric method for quinine determination in soft drinks, *Food Chemistry*, 253, 1-4, 10.1016/j.foodchem.2018.01.130.
33. Raluca Paula Turcu, Cristina Tabuc, Petru Alexandru Vlaicu, Tatiana Dumitra Panaite, **Mihaela Buleandră**, Mihaela Sărăcilă (2018) Effect of the dietary oregano (*Origanum vulgare* L.) powder and oil on the balance of the intestinal microflora of broilers reared under heat stress (32°C), *Scientific Papers. Series D. Animal Science*, 61(1), 77-86.
34. Cristian Dragos Stefanescu, Anton Alexandru Ciucu, Andreea Alexandra Rabinca, **Mihaela Buleandră**, Anca Pantea Stoian, Radu Cristian Jecan, Razvan Hainarosie (2018) An integrative medical perspective on novel dopamine detection method, *Revista de Chimie*, 69(1), 277-281, 10.37358/RC.18.1.6088.
35. Iulia Gabriela David, Dana Elena Popa, **Mihaela Buleandră**, Emilia Dan, Georgeta Simona Stan, Irinel Adriana Badea, Emilia Elena Iorgulescu, Hassan Aboul-Enein (2018) Voltammetric determination of carprofen, *Current Analytical Chemistry*, 14(1), 13-18, 10.2174/1573411012666160725162348.
36. Zenovia Moldovan, **Mihaela Buleandră**, Eliza Oprea, Zamfirica Mînea (2017) Studies on chemical composition and antioxidant activity of *Rudbeckia triloba*, *Journal of Analytical Methods in Chemistry*, 2017, 3407312, 1-8, 10.1155/2017/3407312.
37. Ioan Călinescu, Ioana Asofiei, Adina Ionuta Gavrilă, Adrian Trifan, Daniel Ighigeanu, Diana Martin, Constantin Matei, **Mihaela Buleandră** (2017) Extraction of essential oil from rosemary and thyme using the microwave hydro-diffusion and gravity method, *Chemical Engineering Communications*, 204(8), 965-973, 10.1080/00986445.2017.1328678.
38. Andreea Alexandra Rabinca, **Mihaela Buleandră**, Florentin Tache, Constantin Mihailciuc, Adela Magdalena Ciobanu, Dragos Cristian Stefanescu, Anton Alexandru Ciucu (2017) Voltammetric method for simultaneous determination of L-dopa and benserazide, *Current Analytical Chemistry*, 13(3), 218-224, 10.2174/1573411012666160601161703.
39. **Mihaela Buleandră**, Andreea Alexandra Rabinca, Irinel Adriana Badea, Adriana Balan, Ioan Stamatina, Constantin Mihailciuc, Anton Alexandru Ciucu (2017) Voltammetric determination of dihydroxybenzene isomers using a disposable pencil graphite electrode modified with cobalt-phthalocyanine, *Microchimica Acta*, 184(5), 1481-1488, 10.1007/s00604-017-2153-z.
40. Iulia Gabriela David, Dana Elena Popa, **Mihaela Buleandră** (2017) Pencil graphite electrodes: a versatile tool in electroanalysis, *Journal of Analytical Methods in Chemistry*, 2017, 1905968, 1-22, 10.1155/2017/1905968.
41. Zenovia Moldovan, Dana Elena Popa, Iulia Gabriela David, **Mihaela Buleandră**, Irinel Adriana Badea (2017) A derivative spectrometric method for hydroquinone determination in the presence of kojic acid, glycolic acid and ascorbic acid, *Journal of Spectroscopy*, 1-9, 6929520, 10.1155/2017/6929520.
42. **Mihaela Buleandră**, Andreea Alexandra Rabinca, Florentin Tache, Zenovia Moldovan, Constantin Mihailciuc, Ioan Stamatina, Anton Alexandru Ciucu (2017) Rapid voltammetric detection of kojic acid at a multi-walled carbon nanotubes screen-printed electrode, *Sensors and Actuators B: Chemical*, 241, 406-412, 10.1016/j.snb.2016.10.103.
43. **Mihaela Buleandră**, Andreea Alexandra Rabinca, Elena Cornelia Mitran, Anton Alexandru Ciucu (2016) Differential pulse voltammetric method for 4-nonylphenol determination in water samples, *Materiale Plastice*, 53(3), 491-494.
44. Anca Racoți, Edina Rusen, Aurel Diacon, Adrian Dinescu, **Mihaela Buleandră**, Ioan Călinescu (2016) Ginger essential oil encapsulation in PMMA microcapsules. I, *Materiale Plastice*, 53(3), 357-360.

45. Iulia Gabriela David, Dana Elena Popa, **Mihaela Buleandră**, Zenovia Moldovan, Emilia Elena Iorgulescu, Irinel Adriana Badea (2016) Cheap pencil graphite electrode for rapid voltammetric determination of chlorogenic acid in dietary supplements, *Analytical Methods*, 8, 6537-6544, 10.1039/C6AY01819J
46. Iulia Gabriela David, **Mihaela Buleandră**, Dana Elena Popa, Ana-Maria Cristina Bizgan, Zenovia Moldovan, Irinel Adriana Badea, Emilia Elena Iorgulescu, Tuğçe Ayça Tekiner, Huveyda Basaga (2016) Voltammetric determination of polyphenolic content as rosmarinic acid equivalent in tea samples using pencil graphite electrodes, *Journal of Food Science and Technology*, 53(6), 2589-2596, 10.1007/s13197-016-2223-y.
47. **Mihaela Buleandră**, Eliza Oprea, Dana Elena Popa, Iulia Gabriela David, Zenovia Moldovan, Iuliana Mihai, Irinel Adriana Badea (2016) Comparative chemical analysis of *Mentha piperita* and *M. spicata* and a fast assessment of commercial peppermint teas, *Natural Product Communications*, 11(4), 551-555.
48. Iulia Gabriela David, Dana Elena Popa, Andreea Alexandra Calin, **Mihaela Buleandră**, Emilia Elena Iorgulescu (2016) Voltammetric determination of famotidine on a disposable pencil graphite electrode, *Turkish Journal of Chemistry*, 40, 125-135, 10.3906/kim-1504-42.
49. Ioana Cristina Marinas, Eliza Oprea, Mariana Carmen Chifiriuc, Irinel Adriana Badea, **Mihaela Buleandră**, Veronica Lazăr (2015) Chemical composition and anti-pathogenic activity of *Artemisia annua* essential oil from Romania, *Chemistry & Biodiversity*, 12, 1554-1564, 10.1002/cbdv.201400340.
50. Andreea Alexandra Rabinca, **Mihaela Buleandră**, Adriana Bălan, Ioan Stamatin, Anton Alexandru Ciucu (2015) Electrochemical behaviour and rapid determination of L-dopa at electrochemically pretreated screen printed carbon electrode, *Electroanalysis*, 27(10), 2275-2279, 10.1002/elan.201500230.
51. **Mihaela Buleandră**, Claudia Corina Crișan, Ioan Călinescu, Christina Zălaru, Zenovia Moldovan, Iulia Gabriela David, Irinel Adriana Badea (2015) Rapid analysis of the volatile components of *Gaillardia aristata* and *G. grandiflora*, *Chemistry of Natural Compounds*, 4, 787-789, 10.1007/s10600-015-1413-6.
52. Iulia Gabriela David, Mihai Alexandru Florea, Oana Georgiana Cracea, Dana Elena Popa, **Mihaela Buleandră**, Emilia Elena Iorgulescu, Vasile David, Irinel Adriana Badea, Anton Alexandru Ciucu (2015) Voltammetric determination of vitamin B1 and vitamin B6 on a disposable electrode, *Chemical Papers*, 69(7) 901-910, 10.1515/chempap-2015-0096.
53. Claudia Corina Crișan, **Mihaela Buleandră**, Ioan Călinescu, Christina Zălaru, Iulia Gabriela David, Irinel Adriana Badea (2015) Chemical composition of the aerial part and fruits of *Coreopsis tinctoria*, *Chemistry of Natural Compounds*, 3, 571-572, 10.1007/s10600-015-1348-y.
54. Iulia Gabriela David, Ana-Maria Cristina Bizgan, Dana Elena Popa, **Mihaela Buleandră**, Zenovia Moldovan, Irinel Adriana Badea, Tuğçe Ayça Tekiner, Huveyda Basaga, Anton Alexandru Ciucu (2015) Rapid determination of total polyphenolic content in tea samples based on caffeic acid voltammetric behavior on a disposable graphite electrode, *Food Chemistry*, 173, 1059-1065, 10.1016/j.foodchem.2014.10.139.
55. **Mihaela Buleandră**, Andreea Alexandra Rabinca, Constantin Mihailciuc, Adriana Balan, Cornelia Nichita, Ioan Stamatin, Anton Alexandru Ciucu (2014) Screen-printed Prussian Blue modified electrode for simultaneous detection of hydroquinone and catechol, *Sensors and Actuators B: Chemical*, 203, 824-832, 10.1016/j.snb.2014.07.043.
56. Mihaela Mureșeanu, Dana Elena Popa, **Mihaela Buleandră**, Ion Trandafir, Nicoleta Cioateră, Dorin Șendrescu, Ion Tănase (2014) Copper electrochemical detection with hybrid mesoporous silica-Gly-Gly-His modified electrodes, *International Journal of Electrochemical Science*, 9(9), 5035-5048.
57. Dana Elena Popa, **Mihaela Buleandră**, Mihaela Mureșeanu, Marcel Ionică, Ion Tanase (2010) Organofunctionalized mesoporous silica carbon paste electrode for voltammetric determination of Pb(II), *Revue Roumaine de Chimie*, 55(9), 565-571.

58. Dana Elena Popa, **Mihaela Buleandră**, Mihaela Mureșeanu, Marcel Ionica, Ion Tănase (2010) Carbon paste electrode modified with organofunctionalized mesoporous silica for electrochemical detection and determination of copper(II) using cyclic voltammetry and anodic stripping voltammetry, *Revue Roumaine de Chimie*, 55(2), 123-130.
59. Flaviano D'Amico, Marian Mihai Buleandră, **Mihaela Buleandră**, Giulio D'Amico, Ion Tănase (2010) Industrial district revitalization through sustainable development policies, *Environmental Engineering and Management Journal*, 9(2), 281-291.
60. Dana Elena Popa, **Mihaela Buleandră**, Mihaela Mureșeanu, Marcel Ionică, Ion Tănase (2010) Carbon paste electrode modified with organofunctionalized mesoporous silica for electrochemical detection and quantitative determination of cadmium (II) using square wave anodic stripping voltammetry, *Revista de Chimie*, 61(2), 162-167.
61. Ion Tănase, Dana Elena Popa, Iulia Gabriela David, **Mihaela Buleandră** (2010) Single laboratory validation of a method for the determination of total inorganic arsenic by hydride generation atomic absorption spectrometry, *Analytical Letters*, 43(7-8), 1172-1189, 10.1080/00032710903518609.
62. Ion Tănase, Dana Elena Anghel, **Mihaela Buleandră** (2006) Trasabilitatea în măsurarea chimică. 1. Definiții. Documente de referință. Elemente și principii pentru acreditarea laboratoarelor, *Revista de Chimie*, 57(1), 4-7.
63. Gheorghiuță Crețu, Mihai Ionică, Andrei Florin Dăneț, Hassan Aboul-Enein, Radu Macovei, **Mihaela Buleandră** (2005) Separation of the enantiomers of ibuprofen by a gas chromatographic-mass spectrometric method, *Acta Chromatographica*, 15, 315-321.
64. Ion Tănase, Monica Nidelea, **Mihaela Buleandră** (2003) Chemically modified electrodes with polyaniline for pH measurements in aqueous solutions, *Revista de Chimie*, 54(3), 202-207.
65. Teodor Țolea, Ion Tănase, Constantin Pătroescu, **Mihaela Buleandră** (2001) The adsorption and the electric phenomena in the interfacial region: II. The electric potential of the interfacial region pertaining to both, the adsorption between two immiscible phases, and the perpendicular on the interface, electrostatic forces, *Revista de Chimie*, 52(5), 227-231.

#### **Articole publicate în reviste non-ISI**

1. Ioana Cristina Marinaș, Eliza Oprea, **Mihaela Buleandra**, Coralia Bleotu, Irinel Adriana Badea, Paulina Anastasiu, Veronica Lazăr, Ioana Diana Gărduș, Carmen Mariana Chifiriuc (2020) Chemical, antimicrobial, antioxidant and anti-proliferative features of the essential oil extracted from the invasive plant *Solidago canadensis* L., *Revista de Chimie*, 71(7), 255-264, 10.37358/RC.20.7.8243.
2. **Mihaela Buleandra**, Zenovia Moldovan, Irinel Adriana Badea, Iulia Gabriela David, Dana Elena Popa, Eliza Oprea, Tuğçe Ayça Tekiner, Huveyda Basaga (2020) Comparative assessment of the volatile profile, antioxidant capacity and cytotoxic potential of different preparation of samples of *Millefolli herba*, *Revista de Chimie*, 71(3), 69-78, 10.37358/RC.20.3.7975.
3. Ioan Călinescu, Adina Ionuță Gavrilă, Gabriel Călin Ivopol, Maria Ivopol, Nectara Mircioagă, **Mihaela Buleandră**, Irinel Adriana Badea, Mariana Pătrașcu (2014) On the efficient extraction of essential oil from *Mentha Spicata*, *UPB Scientific Bulletin, Series B*, 76(4), 3-14.
4. Ion Tănase, Dana Elena Popa, **Mihaela Buleandră** (2007) Validation of an analytical quantitative determination method of chlorine anion from drinking and surface water using direct potentiometry with chloride selective electrode (I), *Analele Universității din București*, anul XVI, vol. II, pag. 25-32.
5. Ion Tănase, Dana Elena Popa, **Mihaela Buleandră** (2007) Validation of an analytical quantitative determination method of chloride anion from drinking and surface water using direct potentiometry with chloride selective electrode (II), *Analele Universității din București*, anul XVI, vol. II, pag. 51-57.
6. Flaviano D'Amico, Marian Mihai Buleandră, Maria Velardi, **Mihaela Buleandră**, Ion Tănase (2006) Strumenti per politiche di sostenibilità territoriale, *Energia, Ambiente, Innovazione*, 1, 57-69.

7. **Mihaela Buleandră**, Ion Tănase, Mihai Ionică, Marian Mihai Buleandră (2004) Determination of traces amounts of molybdenum by adsorptive stripping voltammetry using morin as chelating agent, *Analele Universității București*, anul XIII, vol I-II, 27-32.
8. Ion Tănase, Monica Nidelea, **Mihaela Buleandră** (2003) The response of polypyrrole coated some metallic and glassy carbon electrodes to hydronium ion activity in aqueous solutions, *Analele Universității București*, anul XII, vol I-II, 77-84.
9. Teodor Țolea, Ion Tănase, Iulia Gabriela David, **Mihaela Buleandră**, Gabriel Lucian Radu (2002) Some similarities between the cell membrane and artificial ion-selective membranes, *Romanian Biotechnological Letters*, 7(1), 561-568.
10. Ion Tănase, **Mihaela Buleandră**, Emilia Elena Iorgulescu, Gabriel Lucian Radu (2001) The determination of molybdenum by catalytic polarography and adsorptive stripping voltammetry, *UPB Scientific Bulletin, Series B*, 63(3), 375-384.
11. Teodor Țolea, Ion Tănase, Iulia Gabriela David, **Mihaela Buleandră**, Gabriel Lucian Radu (2001) The influence of the receptors concentration in the membrane on its sensitivity, *Romanian Biotechnological Letters*, 6(6), 507-510.
12. Ion Tănase, Mihaela Mureșeanu, I. Florea, **Mihaela Buleandră** (2001) The study of electrochemical behaviour of osepines by cyclic voltammetry, *UPB Scientific Bulletin, Series B*, 63(3), 37-46.
13. **Mihaela Buleandră**, Gabriel Lucian Radu, Ion Tănase (2000) Redox Protein Electroanalysis: Metalloproteins, *Romanian Biotechnological Letters*, 5(6), 423-438.
14. Ion Tănase, Emilia Elena Iorgulescu, Simona Lițescu, Gabriel Lucian Radu, **Mihaela Buleandră** (2000) Study of bilirubin redox processes in aprotic conditions - an experimental model for compound's action, *Romanian Biotechnological Letters*, 5(5), 367-373.
15. **Mihaela Buleandră**, Ion Tănase, Gabriel Lucian Radu (1999) Se (IV) determination in natural mineral water springs by electrochemical methods, *Journal of Medicine and Biochemistry*, 3(1), 25-33.
16. Ion Tănase, Iulia Gabriela David, Șerban Fleschin, **Mihaela Buleandră**, Gabriel Lucian Radu (1999) Interactions of bilirubin with metal ions. A polarographic approach, *Journal of Medicine and Biochemistry*, 3(4), 355-362.

#### **Lucrări publicate integral în Proceedings**

1. Flaviano D'Amico, Marian Mihai Buleandră, Maria Velardi, Giulio D'Amico, **Mihaela Buleandră**, I.Gh. Tănase, „New trends for interpreting of EMAS Regulation”, *Mediul și industria, Simpozion Internațional 2005*, București, vol. 2, p. 174-180, 2005, ISBN 973-7681-02-9.
2. Emilia Elena Iorgulescu, Simona Lițescu, **Mihaela Buleandră**, Iulia Gabriela David, Gabriel Lucian Radu, Ion Tănase, “Voltammetric behaviour of bilirubin al glassy carbon millielectrode in DMF”, The 11<sup>th</sup> Romanian International Conference on Chemistry and Chemical Engineering, București, 30 Septembrie - 2 Octombrie, 2000.

#### **Traduceri și adaptări**

1. Ghid Eurachem/CITAC *Incertitudinea de măsurare datorată sampling-ului*, Ghid pentru metode și abordări (2009), tradus și adaptat în limba română de I.Gh. Tănase, Dana Popa, G.L. Radu, Mihaela Buleandră, Editura Printech, ISBN 978-606-521-279-4.
2. Ghid Eurachem/CITAC *Trasabilitatea în măsurarea chimică* (2003), tradus și adaptat în limba română de I.Gh. Tănase, Mihaela Buleandră, Dana Anghel, Ed. Ars Docendi, București, 2003.
3. Ghid Eurachem *Ghidul calitatii in chimia analitica - Un indrumar pentru acreditare* (2002) tradus și adaptat în limba romana de I.Gh. Tănase, Iulia Gabriela David, Mihaela Buleandră, Ed. Ars Docendi, Bucuresti, ISBN-973-8118-99-9.

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### **Brevete de invenție**

1. Magdalena Mititelu, Alina Ionela Stancu, Eliza Oprea, Lia-Mara Dițu, **Mihaela Buleandră**, Irinel Adriana Badea, Cristina Elena Dinu-Pîrvu, Doina Drăgănescu, Mihaela Violeta Ghica, Viorel Jinga, Anton Ficai, *Compoziție pentru pastă de dinți plurivalentă cu complex de incluziune al  $\beta$ -ciclodextrinei cu ulei volatil de cuișoare*, cerere brevet, nr. înregistrare OSIM A/00680/28.02.2023.
2. Magdalena Mititelu, Alina Ionela Stancu, Eliza Oprea, Lia-Mara Dițu, **Mihaela Buleandră**, Irinel Adriana Badea, Cristina Elena Dinu-Pîrvu, Doina Drăgănescu, Sorinel Marius Neacșu, Viorel Jinga, Anton Ficai, *Apă de gură cu complex de incluziune al  $\beta$ -ciclodextrinei cu ulei volatil de cuișoare și ovule cu complex de incluziune al  $\beta$ -ciclodextrinei cu ulei volatil de cuișoare*, cerere brevet, nr. înregistrare OSIM A/00681/28.02.2023.
3. Magdalena Mititelu, Alina Ionela Stancu, Eliza Oprea, Lia-Mara Dițu, **Mihaela Buleandră**, Irinel Adriana Badea, Cristina Elena Dinu-Pîrvu, Doina Drăgănescu, Viorel Jinga, Sorinel Marius Neacșu, Anton Ficai, *Ovule cu complex de incluziune al  $\beta$ -ciclodextrinei cu ulei volatil de cuișoare*, cerere brevet, nr. înregistrare OSIM A/00679/30.03.2023.

### **Manifestări științifice**

1. Nicoleta Ana-Maria Codreanu, Adrian Popa, Dana Elena Popa, **Mihaela Buleandră**, *Cost-effective pencil graphite electrode for fast analysis of riboflavin and pyridoxine in pharmaceuticals*, Sesiunea de Comunicări Științifice Studentești XVI, 28-29 Mai 2021, București, Romania (oral presentation).
2. Iulia Gabriela David, Alexandra-Gabriela Oancea, **Mihaela Buleandră**, Dana-Elena Popa, Mihaela Carmen Cheregi, Florentin Tache, Adela Magdalena Ciobanu, *Voltammetric investigation of diosmin*, CHIMIA 2020: New Trends in Applied Chemistry, May 27-29<sup>th</sup>, 2021, Constanta, Romania (poster).
3. **Mihaela Buleandră**, Vlad Nicolae Stoica, Tatiana Ciurea, Dana Elena Popa, Iulia Gabriela David, Anton Alexandru Ciucu, *Simple and sensitive voltammetric determination of lamotrigine*, CHIMIA 2020: New Trends in Applied Chemistry, May 27-29<sup>th</sup>, 2021, Constanta, Romania (poster).
4. Dana-Elena Popa, Irina Munteanu, Iulia Gabriela David, **Mihaela Buleandră**, Vlad Nicolae Stoica, Paul Lazăr, Emilia Elena Iorgulescu, *Electrochemical study of chlorogenic acid*, CHIMIA 2020: New Trends in Applied Chemistry, May 27-29<sup>th</sup>, 2021, Constanta, Romania (poster).
5. **Mihaela Buleandră**, Corina Răducanu, Iulia Gabriela David, Dana-Elena Popa, Adela Magdalena Ciobanu, Paul Lazăr, Anton Alexandru Ciucu, *Simultaneous electrochemical detection of catecholamine neurotransmitters at activated pencil graphite electrode*, CHIMIA 2020: New Trends in Applied Chemistry, May 27-29<sup>th</sup>, 2021, Constanta, Romania (poster).
6. Iulia Gabriela David, Dana Elena Popa, **Mihaela Buleandră**, Mihaela-Carmen Cheregi, Nimet Numan, *Rapid and cost-effective voltammetric assessment of polyphenols content in food and dietary supplements*, 1<sup>st</sup> AdFoodChem International conference, 15-17<sup>th</sup> April, 2021, Romania (oral presentation)
7. Dana-Elena Popa, Adrian Popa, Nicoleta Ana-Maria Codreanu, **Mihaela Buleandră**, Iulia Gabriela David, *Individual and simultaneous voltammetric analysis of riboflavin and pyridoxine from dietary supplements, using a disposable pencil graphite electrode*, 1<sup>st</sup> AdFoodChem International conference, 15-17<sup>th</sup> April, 2021, Romania (oral presentation)
8. Nimet Numan, Iulia Gabriela David, **Mihaela Buleandră**, Dana Elena Popa, Emilia Elena Iorgulescu, *Voltammetric study of hesperidin at a composite graphite electrode*, PRIOCHEM XVI (Prioritățile Chimiei pentru o Dezvoltare Durabilă), 28-30 octombrie 2020, București, Romania, *Proceedings* 2020, 57, 68 (poster).
9. Iulia Gabriela David, Laura Andreea Iordache, Mihaela Carmen Cheregi, Dana Elena Popa, **Mihaela Buleandră**, *Electrochemical study of ferulic acid at a pencil graphite electrode*, PRIOCHEM XVI (Prioritățile Chimiei pentru o Dezvoltare Durabilă), 28-30 octombrie 2020, București, Romania, *Proceedings* 2020, 57, 56; doi:10.3390/proceedings2020057056 (poster).



10. Andreea-Laura Panait, Iulia Gabriela David, Dana Elena Popa, **Mihaela Buleandră**, Vasile David, Mihaela Carmen Cheregi, *Voltammetric analysis of sulfamethoxazole on disposable graphite electrodes*, PRIOCHEM XV (Prioritățile Chimiei pentru o Dezvoltare Durabilă), 30 octombrie – 1 noiembrie 2019, București, Romania, *Proceedings* 2019, 29, 26; doi:10.3390/proceedings2019029026 (poster).
11. Lia Mara Ditu, Ana-Maria Bercea, Eliza Oprea, **Mihaela Buleandra**, Irinel Adriana Badea, Alina Ortan, *Origanum majorana essential oil: major constituents' characterization and antimicrobial properties evaluation*, RICCCE 21 (21<sup>st</sup> Romanian International Conference on Chemistry and Chemical Engineering), 4-7 September 2019, Constanta-Mamaia, Romania (poster).
12. Iulia Gabriela David, Paul Lazăr, **Mihaela Buleandră**, Dana Elena Popa, Vasile David, *Make voltammetry better*, ICOSECS9 (9<sup>th</sup> International Conference of the Chemical Societies of the South-Eastern European Countries on «Chemistry a Nature Challenger»), 8-11 May 2019, Târgoviște, Romania (oral presentation)
13. Iulia Gabriela David, Cătălina Paroșanu, **Mihaela Buleandră**, Dana Elena Popa, Vasile David, Mihaela Carmen Cheregi, *Voltammetric analysis of metronidazole at a disposable electrode*, ICOSECS9 (9<sup>th</sup> International Conference of the Chemical Societies of the South-Eastern European Countries on «Chemistry a Nature Challenger»), 8-11 May 2019, Târgoviște, Romania (poster)
14. Paul Lazăr, Iulia Gabriela David, Mihaela Carmen Cheregi, **Mihaela Buleandră**, Dana Elena Popa, Vasile David, Emilia Elena Iorgulescu, *Building a microcontroller based capacitively coupled contactless conductivity detector*, ICOSECS9 (9<sup>th</sup> International Conference of the Chemical Societies of the South-Eastern European Countries on «Chemistry a Nature Challenger»), 8-11 May 2019, Târgoviște, Romania (poster)
15. Iulia Gabriela David, Andra Maria Stancu, Paul Lazăr, **Mihaela Buleandră**, Dana Elena Popa, Vasile David, Emilia Elena Iorgulescu, *Application of the pencil graphite electrode to trimethoprim voltammetric analysis*, ICOSECS9 (9<sup>th</sup> International Conference of the Chemical Societies of the South-Eastern European Countries on «Chemistry a Nature Challenger»), 8-11 May 2019, Târgoviște, Romania (poster)
16. Roxana Colette Sandulovici, Gabriele D'alessandro, Dumitrita Gianina Darie, Ioana Ailiesei, Zenovia Moldovan, Iulia Gabriela David, Dana Elena Popa, **Mihaela Buleandră**, Anca Tencaliec, Irinel Adriana Badea, *Studies on separation of some flavonoid glycosides by HPLC*, ICOSECS9 (9<sup>th</sup> International Conference of the Chemical Societies of the South-Eastern European Countries on «Chemistry a Nature Challenger»), 8-11 May 2019, Târgoviște, Romania (poster).
17. Iulia Gabriela David, **Mihaela Buleandră**, Dana-Elena Popa, *Simultaneous spectrometric determination of naringin and naringenin in citrus juice*, PRIOCHEM XIV (Prioritățile Chimiei pentru o Dezvoltare Durabilă), 10-12 octombrie 2018, București, Romania (poster).
18. Lorelei Iordache, Diana Mihaela Stavăr, Mădălina Lepădatu, Iulia Gabriela David, Dana Elena Popa, **Mihaela Buleandră**, *The composite pencil graphite electrodes as disposable voltammetric sensors for drugs analysis*, PRIOCHEM XIV (Prioritățile Chimiei pentru o Dezvoltare Durabilă), 10-12 octombrie 2018, București, Romania (poster).
19. Iulia Gabriela David, Dana Elena Popa, **Mihaela Buleandră**, Lorelei Iordache, Mihaela Carmen Cheregi, Vasile David, Emilia Elena Iorgulescu, *Disposable electrode for total polyphenolic content estimation of beverages*, A XXXV-a Conferință Națională de Chimie, 02-05 octombrie 2018, Călimănești-Căciulata, România (poster)
20. **Mihaela Buleandră**, Dana Elena Popa, Iulia Gabriela David, Victor David, Anton Alexandru Ciucu, *Rapid voltammetric analysis of monolinuron and linuron herbicides*, 21<sup>st</sup> International Symposium "Environment and Industry" SIMI 2018, 20-21 September 2018, Bucharest, Romania (poster)
21. Iulia Gabriela David, Dana Elena Popa, Sumeyra Celik, **Mihaela Buleandră**, Emilia Elena Iorgulescu, Vasile David, *Rapid determination of polyphenolic content in fruit juices as ellagic*

- acid equivalent using pencil graphite electrodes*, 4<sup>th</sup> International Conference on Analytical Chemistry (RO-ICAC'2018), 1-3 September 2018, Bucharest, Romania (poster).
22. Iulia Gabriela David, **Mihaela Buleandră**, Dana Elena Popa, Lorelei Iordache, Mihaela Carmen Cheregi, Vasile David, *Disposable graphite electrode for naringenin analysis*, 4<sup>th</sup> International Conference on Analytical Chemistry (RO-ICAC'2018), 1-3 September 2018, Bucharest, Romania (poster).
  23. Raluca Paula Turcu, Cristina Tabuc, Petru Alexandru Vlaicu, Tatiana Dumitra Panaite, **Mihaela Buleandra**, Mihaela Saracila, *Effect of the dietary oregano (*origanum vulgare L.*) powder and oil on the balance of the intestinal microflora of broilers reared under heat stress (32°C)*, The International Conference of the University of Agronomic Sciences and Veterinary Medicine of Bucharest "Agriculture for Life, Life for Agriculture", 7-9 June 2018, Bucharest, Romania (poster).
  24. Alexandru Vicol, **Mihaela Buleandră**, *Captopril voltammetric determination on electrochemically pretreated pencil graphite electrode*, Sesiunea de Comunicări Științifice Studențești XIV, 25-26 Mai 2018, București, Romania (prezentare orală).
  25. Iulia Gabriela David, **Mihaela Buleandră**, Dana-Elena Popa, *Voltammetric applications of pencil graphite leads*, CHIMIA 2018: New Trends in Applied Chemistry, May 24-26<sup>th</sup>, 2018, Constanta, Romania (oral presentation).
  26. Iulia Gabriela David, Mihaela Niculae, Emilia-Elena Iorgulescu, **Mihaela Buleandră**, Vasile David, *Determination of parabens in cosmetics using a disposable graphite electrode*, CHIMIA 2018: New Trends in Applied Chemistry, May 24-26<sup>th</sup>, 2018, Constanta, Romania (poster).
  27. Iulia Gabriela David, **Mihaela Buleandră**, Dana-Elena Popa, Lorelei Iordache, Mihaela-Carmen Cheregi, Raluca Radu, *Voltammetric investigation of naringin*, CHIMIA 2018: New Trends in Applied Chemistry, May 24-26<sup>th</sup>, 2018, Constanta, Romania (poster).
  28. **Mihaela Buleandră**, Alexandru Vicol, Iulia Gabriela David, Anton Alexandru Ciucu, *Voltammetric method for captopril determination*, CHIMIA 2018: New Trends in Applied Chemistry, May 24-26<sup>th</sup>, 2018, Constanta, Romania (poster).
  29. Mădălina Lepădatu, Iulia Gabriela David, Lorelei Iordache, Dana-Elena Popa, **Mihaela Buleandră**, Emilia-Elena Iorgulescu, *Rapid voltammetric analysis of dipyrone in pharmaceuticals*, CHIMIA 2018: New Trends in Applied Chemistry, May 24-26<sup>th</sup>, 2018, Constanta, Romania (poster).
  30. Lorelei Iordache, Iulia Gabriela David, Mihaela Carmen Cheregi, Dana Elena Popa, **Mihaela Buleandră**, *Voltammetric investigation of ferulic acid using a disposable pencil graphite electrode*, PRIOCHEM XIII (Prioritățile Chimiei pentru o Dezvoltare Durabilă), 25-27 octombrie 2017, București, Romania (poster).
  31. Anton Ciucu, **Mihaela Buleandră**, Andreea Alexandra Rabinca, Ioan Stamatina, *Simultaneous electrocatalytic voltammetric determination of dihydroxybenzene isomers using a cobalt-phthalocyanine modified pencil electrode*, 2<sup>nd</sup> International Conference on Sensors and Electronic Instrumental Advances (SEIA' 2016), 22-23 September 2016, Barcelona, Spain (oral presentation).
  32. Anton Ciucu, Andreea Rabinca, **Mihaela Buleandră**, *Sensors development for neurotransmitters determination*, The 67<sup>th</sup> Annual Meeting of the International Society of Electrochemistry; Electrochemistry: from Sense to Sustainability, 21-26 August, 2016, Hague, Netherlands (poster).
  33. Anton Ciucu, **Mihaela Buleandră**, Andreea Alexandra Rabinca, Ioan Stamatina, *Analytical applications of carbon nanotubes based electrochemical sensors*, EMN (Energy Materials and Nanotechnology) Meeting on Carbon Nanostructures 2016, 27-31 March 2016, Hawaii, USA (plenary lecture – invited speaker).
  34. Anton Ciucu, **Mihaela Buleandră**, *Chemically modified electrodes based on carbon nanotubes used in bioanalysis*, EMN (Energy Materials and Nanotechnology) Meeting – Magnetic Materials Energy Materials Nanotechnology, 21-24 March 2016, Hawaii, USA (plenary lecture – invited speaker).

35. Ioana Cristina Marinaș, Carmen Chifiriuc, Eliza Oprea, **Mihaela Buleandră**, Irinel Adriana Badea, Coralia Bleotu, Veronica Lazăr, *Therapeutic potential of Solidago canadensis invasive-aggressive species for the extraction of essential oils with antimicrobial and anti-biofilm activity*, 25<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases, (ECCMID 25<sup>th</sup>), 25-28 April 2015, Copenhagen, Denmark (poster).
36. Iuliana Mihai, **Mihaela Buleandră**, Zenovia Moldovan, Iulia Gabriela David, Eliza Oprea, Irinel Adriana Badea, *Comparison of volatile compounds in Romanian Mentha piperita and Mentha spicata by headspace and hydrodistillation techniques*, New Trends on Sensing - Monitoring - Telediagnosis for Life Sciences, July 24-26, 2014, Brasov, Romania (poster).
37. Ioana Marinaș, Luminița Maruntescu, Coralia Bleotu, Carmen Chifiriuc, Eliza Oprea, Irinel Badea, **Mihaela Buleandră**, Veronica Lazăr, *Flow cytometry applications in antimicrobial and antipathogenic activities investigation of Amorpha fruticosa oil*, The 10<sup>th</sup> National Congress of Cytometry, 22-23 May 2014, Bucharest, Romania (oral presentation).
38. Ioana Cristina Marinaș, Carmen Chifiriuc, Eliza Oprea, **Mihaela Buleandră**, Veronica Lazăr, *Chemical composition and antimicrobial activity of Artemisia annua essential oil*, FEBS-EMBO Paris, France, 30 August – 4 September 2014, FEBS Journal (2014), 281 (Suppl. 1), 653 (poster).
39. Corina Crișan, **Mihaela Buleandră**, Zenovia Moldovan, Christina Zalaru, Irinel Adriana Badea, *Characterisation of Gaillardia aristata: volatile components and its antioxidant capacity*, 1st International Conference on Analytical Chemistry - Analytical Chemistry for a Better Life, 18-21 September 2012, Târgoviște, Romania (poster).
40. Ion Tănase, **Mihaela Buleandră**, Dana Elena Popa, Mihaela Mureșeanu, Marcel Ionică, *Electrozi modificați cu materiale hibride pe bază de peptide-silice pentru detecția electrochimică a ionilor anorganici din medii apoase poluate*, a XXX-a Conferința Națională de Chimie, Călimănești-Căciulata, 8-10 Octombrie 2008, ISBN 978-973-750-124-0 (poster).
41. Ion Tănase, **Mihaela Buleandră**, Dana Elena Popa, *Biosenzor pe bază de dehidrogenază și meldola Blue pentru determinarea alcoolului*, Simpozionul „Perspective în biotehnologia românească susținute prin rezultatele obținute în cadrul Programului CEEX-Modulul 1, BIOTECH, 2007”, Cluj-Napoca, 24-26 octombrie 2007, p. 59, Editura AcademicPres, ISBN 978-973-744-088-4 (prezentare orală).
42. Flaviano D’Amico, Marian Mihai Buleandră, Maria Velardi, Giulio D’Amico, **Mihaela Buleandră**, Ion Tănase, „New trends for interpreting of EMAS Regulation”, *Simpozion Internațional Mediul și industria*, 2005, București, vol. 2, p. 174-180, 2005, ISBN 973-7681-02-9 (prezentare orală).
43. Cristina Pușcașu, **Mihaela Buleandră**, Mirela Diaconu, Gabriel Lucian Radu, *The influence of metal ions on the riboflavin electrochemical behaviour*, Book of Abstracts, p-86, Instrumental Methods of Analysis. Modern trends and applications, Ioannina, Greece, 5-8 September, 2001 (poster).
44. Mirela Diaconu, **Mihaela Buleandră**, E. Crăciun, Gabriel Lucian Radu, *An electrochemical study on superoxide dismutase electron transfer processes*, 12<sup>th</sup> Romanian International Conference on Chemistry and Chemical Engineering, Bucharest, 13-15 September, 2001 (poster).
45. Ion Tanase, **Mihaela Buleandră**, *The optimization of Cu(II) determination from aqueous solutions by polarographic and voltammetric techniques*, 12<sup>th</sup> Romanian International Conference on Chemistry and Chemical Engineering, Bucharest, 13-15 September, 2001 (poster).
46. Cristina Pușcașu, **Mihaela Buleandră**, Gabriel Lucian Radu, *Electrochemical determination of riboflavin from pharmaceuticals by square wave voltammetry*, Book of Abstracts, p-246, Euroanalysis XI, Lisboa, 3-9 September 2000 (poster).
47. Emilia Elena Iorgulescu, Simona Lițescu, **Mihaela Buleandră**, Iulia Gabriela David, Gabriel Lucian Radu, Ion Tănase, *Voltammetric behaviour of bilirubin at glassy carbon millielectrode in DMF*, The 11-th Romanian International Conference on Chemistry and Chemical Engineering, Bucharest, 24-26 September, 2000 (poster).

48. Gabriel Lucian Radu, **Mihaela Buleandră**, Simona Lițescu, Mirela Diaconu, *Spectrometrical study of some phenolic compounds with antioxidative properties*, 1<sup>st</sup> Romanian International Conference on Analytical Chemistry, Brașov, 21-23 Septembrie, 2000 (poster).
49. Simona Lițescu, Gabriel Lucian Radu, **Mihaela Buleandră**, Mirela Diaconu, *Antioxidative power evaluation of some phenolic antioxidants - electroanalytical approach*, 1<sup>st</sup> Romanian International Conference on Analytical Chemistry, Brașov, 21-23 Septembrie, 2000 (poster).
50. Ion Tănase, **Mihaela Buleandră**, Gabriel Lucian Radu, Emilia Elena Iorgulescu, *A new approach of the polarographic behaviour of Se(IV) in aqueous solutions*, Euroanalysis X, Basel, 6-11 September, 1998 (poster).
51. Ion Tănase, Emilia Elena Iorgulescu, Gabriel Lucian Radu, **Mihaela Buleandră**, Iulia Gabriela David, *Electroanalytical behaviour of bilirubin*, Euroanalysis X, Basel, 6-11 September, 1998 (poster).
52. **Mihaela Buleandră**, Gabriel Lucian Radu, Ion Tănase, Simona Lițescu, *Electrochemical determination of Se(IV) from selenium compounds on mercury electrode*, XIV National Conference on Analytical Chemistry, Piatra Neamț, 24-26 Septembrie, 1998 (poster).
53. Ion Tănase, Emilia Elena Iorgulescu, Iulia Gabriela David, Gabriel Lucian Radu, **Mihaela Buleandră**, *Electroanalytical determination of bilirubin*, XIV National Conference on Analytical Chemistry, Piatra Neamț, 24-26 Septembrie, 1998 (poster).
54. Simona Lițescu, Gabriel Lucian Radu, **Mihaela Buleandră**, *Electrochemical characterization of tocopherols*, XIV National Conference on Analytical Chemistry, Piatra Neamț, 24-26 Septembrie, 1998 (poster).

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