

PROF. DR. SILVIA IMRE

Lista de lucrări și contracte de cercetare pentru perioada 2011-2015

Cărți publicate

1. Tero-Vescan Amelia, Vari Camil-Eugen, **Imre Silvia**: Fundamente biochimice ale metabolismului la sportivi. Suplimente nutritive și substanțe dopante, Editura University Press Târgu-Mureș, 2013, 207 p, ISBN 978-973-169-272-2, cod CNCSIS 210.
2. Donáth-Nagy Gabriella, Vancea Szende, **Imre Silvia**: Chimie fizică practică, Editura University Press Târgu-Mureș, 2012, 154 p, ISBN 978-973-169-199-2, cod CNCSIS 210.

Capitole publicate în volume colective

1. Colectiv de autori (**Imre Silvia** et al): Capitolul III – Domeniul Farmacie, Ediția 2011, 45 p. În Molnar-Varlam C, Molnar C, Azamfirei L: Culegere de teste pentru examenul de rezidențiat în domeniile medicină, medicină dentară și farmacie, Editura University Press, 2015, ISBN 978-973-169-372-9.

Articole publicate in extenso în reviste de specialitate

Reviste cotate ISI

Autor principal

1. Tero-Vescan A, Vari CE, Muntean DL, Dogaru MT, Filip C, **Imre S**, *Determination of genistein in rat liver and kidney by a HPLC/UV method. Possible extrapolation from animals to humans*, Romanian Review of Laboratory Medicine, **2014**, 22(1):119-128 doi 10.2478/rrml-2014-0006, ISSN online: 2284-5623 FI=0,239.
2. Farkas SZs, **Imre S**, Muntean D-L, Tero-Vescan A: Analysis of drug related impurities by infrared spectrometry in the class of statins, Farmacia, 2013, 61(6), 1091-1101. ISSN 0014-8237, cod CNCSIS 313 A. FI (2013) =1,251.
3. Vlase L, **Imre S**, Muntean D, Achim M, Muntean D.-L: Determination of Spironolactone and Canrenone in Human Plasma by High-performance Liquid Chromatography with Mass Spectrometry Detection, Croatica Chemica Acta, 2011, 84(3), 361-366. ISSN 0011-1643, e-ISSN 1334-417X. **REVISTA COTATĂ ISI IF 0,763.**
4. Donáth-Nagy G, Vancea Sz, **Imre S**: Comparative study of captopril derivatization reaction by LC-UV, LC-MS and CE-UV methods, Croatica Chemica Acta, 2011, 84(3), 423-427. **REVISTA COTATĂ ISI IF 0,763.**

Co-autor

1. Stoica M.C., Vari C.E. Imre S., Vancea Sz., Dogaru M.T., Carașca E., Tarța I.D., Dogaru G., Căldăraru C.D.: Correlations between the stages of kidney disease and the pharmacokinetic parameters of orally administered ciprofloxacin at patients with chronic kidney disease Farmacia, 2015, 63(5), 739-744. ISSN: 2065-0019, FI(2014/2015)=1,005
2. Mircia E, **Imre S**, Sipos E, Avrigeanu V, Hancu G, Iantovics B, Balaci T: New modified release tablets with pentoxifylline based on lipophilic matrix. Note 2. Stability study of the active substance from the proposed formulations, Farmacia, 2013, 61(6), 1186-1193. ISSN 0014-8237, cod CNCSIS 313 A. FI (2013) =1,251.
3. Vari CE, Tero-Vescan A, **Imre S**, Muntean DL: Therapeutic drug monitoring of cyclosporine in transplanted patients. Possibilities, controversy, causes for failure, Farmacia, 2012, 60(5), 595-601. ISSN 0014-8237, cod CNCSIS 313 A. **REVISTA COTATĂ ISI IF 0,578.**
4. Mircia E, Sipos E, **Imre S**, Avrigeanu V, Hancu G, Iantovics B, Balaci T: New modified release tablets with pentoxifylline based on lipophilic matrix. Note 1. Formulation, physical study and determination of dissolution profiles of the active substance from the proposed formulations, Farmacia, 2012, 60(2), 218-226. **REVISTA COTATĂ ISI IF 0,578.**
5. Căldăraru C, Dogaru MT, Vari CE, **Imre S**, Dogaru G: Comparison between Cockcroft-Gault and MDRD formula for the estimation of glomerular filtration rate in chronic kidney disease patients, Farmacia, 2011, 59(6), 760-769. ISSN 0014-8237, cod CNCSIS 313 A. **REVISTA COTATĂ ISI IF 0,669.**

Reviste BDI

Autor principal

1. **Imre S.**, Haidu T., Ponta O., Vancea S., Vari C.-E., Tero-Vescan A., Internal Structure Quality Control of Solid Pharmaceuticals. A Comparative Study, *Acta Medica Marisiensis*, 2015, DOI: 10.1515/amma-2015-0104. ISSN 2068-3324, cod CNCSIS 103 B+. EBSCO database.
2. **Imre S.**, Kacsó K, Muntean DL: Simultaneous Determination of Atorvastatin and Amlodipine in Industrial Tablets by Apparent Content Curve and HPLC Methods, *Acta Medica Marisiensis*, 2013, 59(1), 44-48. ISSN 2068-3324, cod CNCSIS 103 B+.

Co-autor

1. Rusu A., **Imre S.**, Mircia E., Hancu G.: Quinolone Antibacterials: Commentary and Considerations Regarding UV Spectra and Chemical Structure, *Acta Medica Marisiensis*, 2015, 61(4), 328-336. DOI: 10.1515/amma-2015-0084. ISSN 2068-3324, cod CNCSIS 103 B+. EBSCO database.
2. Rusu A., Popescu G.-C., **Imre S.**, Ion V., Vancea Sz., Grama A.-L., Kelemen H., Hancu G., A New Silver Complex with Ofloxacin – Preliminary Study, *Acta Medica Marisiensis*, 2015, DOI: 10.1515/amma-2015-0091. ISSN 2068-3324, cod CNCSIS 103 B+. EBSCO database.
3. Ion V., **Imre S.**, Cârje A.G., Muntean D.L.: Analytical Performance of an HPLC and CZE Methods for the Analysis and Separation of Perindopril Erbumine and Indapamide, *Acta Medica Marisiensis*, 2015, 61(4), 324-327. DOI: 10.1515/amma-2015-0073. ISSN 2068-3324, cod CNCSIS 103 B+. EBSCO database.
4. Tero-Vescan A., Osz B.E., Vari C.-E., **Imre S.**, Hancu G.: Determination of Omega-3/Omega-6 Ratio in Swine Brain Homogenate as an Animal Model for Human Nervous Tissue, *Acta Medica Marisiensis*, 2015, DOI: 10.1515/amma-2015-0093. ISSN 2068-3324, cod CNCSIS 103 B+. EBSCO database.
5. Tero-Vescan A, Vari CE, Filip C, Ósz BE, **Imre S.**, Ceană D, Hancu G, *Analysis of Dietary Supplements and Drugs for Erectile Dysfunction by HPLC-UV*, *Acta Medica Transilvanica*, 2014;2(4):297-299, ISSN (print) 2285-7079, ISSN (online) 1453-1968, indexare BDI: Index Copernicus <http://journals.indexcopernicus.com/masterlist>, EBSCOhost, <http://www.ebscohost.com/title-lists>, Ulrich's, www.ulrichweb.com
6. Kelemen EK, Kelemen LJ, Gyéresi Á, **Imre S.**, Obreja M: Development of a Dissolution Method for Modified Release Tablets Containing an Insoluble Active Substance, *Acta Medica Marisiensis*, 2012, 58(5), 300-303. ISSN 2068-3324, cod CNCSIS 103 B+.
7. Vancea Sz, **Imre S.**, Vari C, Dogaru MT, Muntean D-L, Căldăraru C, Dogaru G, Donáth-Nagy G: Determination of Valproic Acid in Human Plasma by High-Performance Liquid Chromatography with Mass Spectrometry Detection, *Acta Medica Marisiensis*, 2012, 58(1), 54-58. ISSN 2068-3324, cod CNCSIS 103 B+.
8. Avrigeanu V, **Imre S.**, Mircia E, Muntean D-L: Terephthaldiamides Class Synthesis. III. Synthesis of some N-monosubstituted Terephthaldiamides, *Acta Medica Marisiensis*, 2011, 57(6), 563-565. ISSN 2068-3324, cod CNCSIS 103 B+.

Articole/studii publicate în rezumat în reviste de specialitate cu ISSN sau în volumele unor manifestări științifice internaționale cu ISBN

Autor principal

1. Cârje A.C., Tökés B., Hancu G., **Imre S.**, HPLC separation of amlodipine enantiomers using an ovomucoid chiral stationary phase, The 15th International Symposium and Summer School on Bioanalysis, Tîrgu Mureș, Romania, 13-18 July, 2015, CEEPUS Network CIII-RO-0010, *Acta Medica Marisiensis*, 2015, 61(S5), 24. *Poster presentation*
2. Tero-Vescan A, Vari CE, Ciulea L, Filip C, **Imre S.**, *Screening by HPLC-UV of legal substances (caffeine and yohimbine) and illegal substances (ephedrine and sibutramine) from weight loss dietary supplements for athletes*, Phytochemical Society of Europe Meeting, Piatra Neamț, România, 27-30 aprilie 2014, Book of abstracts, (ISBN-13 978-0-9565472-4-8), 54. *Oral communication*

Co-autor

1. Ion V., **Imre S.**, Cârje A., Muntean D.L., Assessing Two Parallel Developed Methods for the Separation of Perindopril erbumine and Indapamide by HPLC and CZE respectively, The 15th International

Symposium and Summer School on Bioanalysis, Tîrgu Mureş, Romania, 13-18 July, 2015, CEEPUS Network CIII-RO-0010, Acta Medica Marisiensis, 2015, 61(S5), 16. *Oral communication*

2. Rusu A., Popescu G.C., **Imre S.**, Ion V., Vancea Sz., Hancu G., Kelemen H., Uivarosi V., Preliminary Methods of Obtaining Silver Complexes with Representatives of the Fluoroquinolone Class, The 15th International Symposium and Summer School on Bioanalysis, Tîrgu Mureş, Romania, 13-18 July, 2015, CEEPUS Network CIII-RO-0010, Acta Medica Marisiensis, 2015, 61(S5), 37. *Poster presentation*
3. Vari CE, Tero-Vescan A, **Imre S.**, Ösz BE, *Controversy regarding the use of weight loss supplements with phytotherapeutic extracts for sportsmen*, Phytochemical Society of Europe Meeting, Piatra Neamţ, România, 27-30 aprilie 2014, Book of abstracts, (ISBN-13 978-0-9565472-4-8), 32. *Oral communication*

Articole/studii publicate în rezumat în reviste de specialitate sau în volumele unor manifestări științifice naționale

Autor principal

1. **Imre S.**, Eşianu S., Dicher I, Tiuca I, Muntean DL, Tero-Vescan A., Oprean R.: Qualitative analysis of some essential oils used to facilitate the percutaneous absorption of topical preparations in sports medicine, Acta Medica Marisiensis, 2015, 61(supl.6):4.
2. Vari CE, Tero-Vescan A, **Imre S.**: Lifestyle of young reflected in the pathology of the elderly, Acta Medica Marisiensis, 2014, 60(supl.4):118, Scientific Session of University Educational Staff, 8-12 decembrie 2014
3. **Imre S.**, Muntean D.L., Baciu A., Tero-Vescan A., Vari C.E.: HPLC Chiral Separation of Some β -Blockers on Ovomucoid Stationary Phase, CNFR Iași 24-27 septembrie 2014, volum de rezumate p 333 (ISBN 978-606-544-252-8)
4. Todoran N., Puşcaş C.R., Draşoveanu A., Ciurba A., Jung A., **Imre S.**: Preformularea unor geluri dentare cu peroxid de hidrogen, volumul „Actualități și perspective în cercetarea farmaceutică”, Editura Sitech, ISBN 978-606-11-2833-4, 2012, 37-38. Prezentare orală - Simpozionul „Actualități și perspective în cercetarea farmaceutică”, Craiova, 26-28 septembrie 2012.
5. **Imre S.**, Vlase L., Muntean D.L., Vari C.E.: High-throughput analysis by liquid-chromatography. 11th International Symposium and Summer School on Bioanalysis, Graz, Austria, 18-28 September, 2011, CEEPUS Network CII-HU-010. Book of abstracts, 41. *Oral presentation*
6. Donath-Nagy G., Vancea Sz., **Imre S.** – Application of electrophoretically mediated microanalysis on pharmaceutical substances, 11th International Symposium and Summer School on Bioanalysis, Graz, Austria, 18-28 September, 2011, CEEPUS Network CII-HU-010. Book of abstracts, 40. *Oral presentation*

Co-autor

1. Tero-Vescan A., Vari C.E., **Imre S.**, Ciulea L.: Modifiable cardiovascular risk factors through diet in athletes, Acta Medica Marisiensis, 2015, 61(supl.8):53.
2. Stăfănescu (Braic) E.-R., **Imre S.**, Eşianu S., Laczkó-Zöld E., Dogaru M.T.: Preliminary chromatographic study of polyphenolic compounds extracted from Vaccinium corymbosum leaves, Acta Medica Marisiensis, 2015, 61(supl.7):2.
3. Tero-Vescan A., Hancu G., Vari C.E., **Imre S.**, Ösz B., Ciulea L.: Qualitative and quantitative analysis techniques of dietary supplements for athletes, Acta Medica Marisiensis, 2015, 61(supl.6):8.
4. Vari C.E., **Imre S.**, Tero-Vescan A.: Pharmacological, toxicological and analytical aspects of medical doping in athletes, Acta Medica Marisiensis, 2015, 61(supl.6):9-10.
5. Ösz B., Tero-Vescan A., **Imre S.**, Vari C.E.: Possibilities for monitoring reproductive toxicity on test animals and predicting outcomes in humans for doping substances or designer-type drugs, Acta Medica Marisiensis, 2015, 61(supl.6):10.
6. Tero-Vescan A., **Imre S.**, Vari C.: Identifying the counterfeit dietary supplements for weight loss and increasing male potency, The 6th Romanian – Jordanian Congress of Medicine and Pharmacy, Tîrgu Mureş, May, 2015, Book of abstracts, 22.
7. Tero-Vescan A., Vari C.E., **Imre S.**, Dobreanu M.: Omega 3 Index Versus The Ratio Omega3 / Omega6 Predictors in The Development of Cardiovascular Disease? Practical Determination

Possibilities, Acta Medica Marisiensis, 60(4): 120 Scientific Session of University Educational Staff, 8-12 decembrie 2014

8. Tero-Vescan A., Vari C.E., **Imre S.**, Filip C.: Evaluation of Sildenafil, Tadalafil, Vardenafil Content of Some Dietary Supplements and Medicines Purchased on the Internet, CNFR Iași 24-27 septembrie 2014, volum de rezumate p 344 (ISBN 978-606-544-252-8)
9. Rusu A., Popescu G.C., **Imre S.**, Ion V., Hancu G., Kelemen H., Grama A.L.: Preliminary Study in Achieving a Silver Complex with Ofloxacin, CNFR Iași 24-27 septembrie 2014, volum de rezumate p 46 (ISBN 978-606-544-252-8)
10. Muntean D.L., **Imre S.**, Ion V.: Drugs Control in Waste Water CNFR Iași 24-27 septembrie 2014, volum de rezumate p 309 (ISBN 978-606-544-252-8) CONFERINȚĂ
11. Cârje A.G., **Imre S.**, Muntean D.L., Hancu G., Tókes B.: Enantioseparation of Racemic Mixtures of Arylpropionic Acid Derivatives Using High-Performance Liquid Chromatography CNFR Iași 24-27 septembrie 2014, volum de rezumate p 325 (ISBN 978-606-544-252-8)
12. Balint A., Cârje A.G., **Imre S.**, Muntean D.L.: Separation of Ibuprofen Enantiomers by Capillary Electrophoresis and High-Performance Liquid Chromatography CNFR Iași 24-27 septembrie 2014, volum de rezumate p 335 (ISBN 978-606-544-252-8)
13. Tero-Vescan A., Vari C.E., **Imre S.**, Ciulea L., Filip C.: Identifying the most important dietary supplements for weight loss and the most commonly used diets based on a questionnaire, Acta Medica Marisiensis, 2013, 59(4): 57-58, ISSN: 2247-6113/ Scientific Session of University Educational Staff, 9 – 13 December 2013
14. Rusu A., **Imre S.**, Hancu G., Mircia E., Gyéresi A.: The characterization of quinolone antibiotics by UV spectrophotometry, Acta Medica Marisiensis, 2013, 59(4): 57, ISSN: 2247-6113/ Scientific Session of University Educational Staff, 9 – 13 December 2013
15. Stoica M.C., Caldararu C., **Imre S.**, Vari C.E., Carașca E., Tarța I.D., Dogaru G.A., Dosage adaptation of ciprofloxacin in renal failure. Pharmacokinetic study, Acta Medica Marisiensis, 2013, 59(supl.4):39, Scientific Session of University Educational Staff, 9-13 decembrie 2013
16. Todoran N., Drașoveanu A., **Imre S.**, Ciurba A., Iștoan R.O.: Two methods for testing the whitening teeth capacity of hydrogen peroxide in dental gels, Acta Medica Marisiensis, 2012, 58(S3), 70. ISSN 2068-3324. cod CNCISIS 103 B+. Sesiunea de comunicări științifice a cadrelor didactice din cadrul manifestării „Zilele Universității de Medicină și Farmacie din Tîrgu Mureș”, 13-15 decembrie 2012.
17. Donáth-Nagy G., Vancea Sz., **Imre S.**, Gál A.: Study of Ciprofloxacin Stability by Capillary Electrophoresis, volumul de rezumate 17th International Conference on Chemistry, Cluj-Napoca, November 3-6, 2011, p.73. ISSN 1843-6293
18. Vlase L., **Imre S.**, Loghin F., Muntean D.L.: Applications of high-throughput analysis by liquid-chromatography in toxicology. 11th International Symposium and Summer School on Bioanalysis, Graz, Austria, 18-28 September, 2011, CEEPUS Network CII-HU-010. Book of abstracts, 42. *Oral presentation*

Proiecte de cercetare realizate, câștigate prin competiție sau atribuite direct

Calitatea – Director de contract/grant

1. Dezvoltarea și validarea de metode de determinare a impurităților din forme farmaceutice simple și compuse. Contract de cercetare încheiat cu SC Gedeon Richter SA nr. 1024D/29.05.2009/6314/17.06.2009 - director de contract Dr. Silvia Imre. Perioada 2009-2012. Valoare încasată: 2500 lei. Acte adiționale cu nr. înregistrare 4488/01.06.2010/1992D/25.05.2010, 2690D/15.07.2011//7224/01.08.2011.

Calitatea – Membru în contracte/granturi

2. Centru de Cercetări Avansate Medicale și Farmaceutice, prin programul operațional POS CCE – AXA II, O2.2.1: Dezvoltarea infrastructurii C-D existente și crearea de noi infrastructuri C-D (laboratoare, centre de cercetare). Contract de finanțare nr. 659/07.08.2014. Perioada 2014-2015. Valoare: 46 059 586 lei. Director: Prof. dr. Minodora Dobreanu. Proiect instituțional.
3. Inhibitorii de aromatază ca substanțe dopante. Model experimental la șobolani, contract nr. 17/23.12.2014, Competiția internă a Universității de Medicină și Farmacie din Tîrgu Mureș pentru granturi de cercetare științifică – colective de cercetare – sesiunea 2014, 45000 lei, finanțator UMF Tg. Mureș (75%), SC Gedeon Richter SA Tg.Mureș (25%). Director proiect: Conf. dr. Camil-Eugen Vari.

4. Tehnologii avansate pentru calitate in universitatea orientata spre viitor, ID 58609, Numar de identificare al contractului de finantare POSDRU/86/1.2/S/58609. 01.11.2010.-31.10.2013. Expert pe termen scurt - programe master. Instituție coordonatoare: UMF Targu-Mureș.
5. Tratatamentul cu fluorochinolone în boala renala cronica. Monitorizarea terapiei conform criteriului farmacocinetic. Cod CNCSIS 2041/2008. PN II 2008, Competiția Idei, UMF Târgu-Mureș – director de proiect Prof. Dr. Grigore Aloiziu Dogaru, valoare 900 000 lei, 2008-2011, <http://flupk.vaspconsult.ro>

