

LISTA DE LUCRĂRI ȘTIINȚIFICE

Conf. Dr. Simona Maria MIREL

LUCRĂRI ISI, cu factor de impact - autor principal

1. Pusta A, Tertis M, Cristea C, **Mirel S**. Wearable Sensors for the Detection of Biomarkers for Wound Infection. *Biosensors*, **2022**, 12(1), 1. [IF 5.519]
2. Gâvan A, Colobățiu L, Hanganu D, Bogdan C, Olah NK, Achim M, **Mirel S**. Development and evaluation of hydrogel wound dressings loaded with herbal extracts, *Processes*, **2022**, 10, 242. [IF 2.847]
3. **Mirel S**, Pusta A, Moldovan M, Moldovan S. Antimicrobial Meshes for Hernia Repair: Current Progress and Perspectives. *J. Clin. Med.* **2022**, 11, 883. [IF 4.242];
4. Tertis M, Cernat A, **Mirel S***, Cristea C. Nanodevices for Pharmaceutical and Biomedical Applications, *Anal Lett*, **2021**, 54 (1-2): 98-123. [IF 2.329]
5. Hanganu D, Benedec D, Olah NK, Ranga F, **Mirel S***, Tiperciuc B, Oniga I, Research on enzyme inhibition potential and phenolic compounds from *Origanum vulgare* ssp.vulgare, *Farmacia*, **2020**, 68(6): 1075-1080. [IF 1.433]
6. **Mirel S**, Voica C, Colobățiu L, Mirel V, Matinca D, Flonta M, Lupșe M. In vitro Comparison of the Antimicrobial Efficiency of Commercially Available Silver-Wound Dressings Correlated with the Evaluation of Silver Release by Inductively Coupled Plasma–Mass Spectrometry. *Anal Lett*, **2019**, 52(1):163–76. [IF 1.467]
7. Hosu O, **Mirel S***, Săndulescu R, Cristea C. Minireview: Smart tattoo, Microneedle, Point-Of-care, and Phone-Based Biosensors for Medical Screening, Diagnosis, and Monitoring. *Anal Lett*. **2019**, 52, 78–92. [IF1.467]
8. Colobățiu L, Gâvan A, Mocan A, Bogdan C, **Mirel S***, Tomuța I. Development of bioactive compounds-loaded chitosan films by using a QbD approach – A novel and potential wound dressing material. *React Funct Polym.* **2019**, 138:46–54. [IF 3.333]
9. Colobățiu L, Gâvan A, Potarniche AV, Rus V, Diaconasa Z, Mocan A, Tomuța I, **Mirel S***, Mihaiu M, Evaluation of bioactive compounds-loaded chitosan films as a novel and potential diabetic wound dressing material. *React Funct Polym.* **2019**, 145:104369. [IF3.333]
10. Varodi C, Pogacean F, Coros M, Rosu MC, Staden R V, Gal E, Tudoran LB, Pruneanu S, **Mirel S**, Detection of 8-hydroxy-2'-deoxyguanosine biomarker with a screen-printed electrode modified with graphene. *Sensors* **2019**, 19(19).4297. [IF 3.275]
11. Boboia AM, Oros GC, Polinicencu C, **Mirel S**. Researches concerning the profitability of the community pharmacy within the context of world economic and financial crisis. *Farmacia*. **2014**, 62 (5): 1025-1036.[IF 1, 005]

12. **Mirel S**, Roman L, Forizs E, Kun A. Conductometric method for the quantitative analyses of Pb (II) and Cd (II) with 2-mercapto-5-R-amino-1,3,4-thiadiazole derivatives. *J. Pharm. Biomed. Anal.* **1998**; 18: 83-91. [IF 0.914]
13. **Mirel S**, Săndulescu R, Kauffmann J. M, Roman L. Electrochemical study of some 2-mercapto-5-R-amino-1,3,4-thiadiazole using carbon paste electrodes, *J. Pharm. Biomed. Anal.* **1998**; 18: 535-544. [IF 0.914]
14. Roman L, Florean E, Săndulescu R, **Mirel S**. Preconcentration of Pb(II), Cd(II), Cu(II) and Hg(II) with 2-mercapto-5-phenylamino-1,3,4-thiadiazole impregnated on silicagel, *J. Pharm. Biomed. Anal.* **1996**; 14: 1003-1006. [IF 1.046]

Mențiuni :

**Mirel S = autor de corespondență*

#*Mirel S = autor cu drepturi egale cu primul*

LUCRĂRI ISI fără factor de impact – autor principal

1. **Mirel S**, Colobățiu L, Mirel M, Pop S. Topical patches as treatments for the management of patient musculoskeletal and neuropathic pain. *Balneo Res J.* **2017** 20;8(1):21–5. (ISI fără FI)
2. Colobatiu L, **Mirel S**, The efficacy of modern spinal orthoses and hip protectors used in the management of osteoporosis: a review. *Balneo Res J.* **2016**, 7 (2): 60-65 ; (ISI fără FI)

LUCRĂRI ISI Proceedings – autor principal

1. **Mirel S**. Pharmacy Internship - Opportunities In Pharmacy Practice. In: *European Proceedings of Social and Behavioural Sciences.* **2019**, 1511–1518.
2. **Mirel S**, Dărăban A, Mihaie L, Palage M, Practice Experiences and Preceptor Behaviours in Pharmacy Education, *Procedia - Social and Behavioral Sciences.* **2013**; 92 : 561–566.
3. **Mirel S**, Pop S., Onaca E., Domnita S., Mirel V. The Use of Medical Devices in Self Monitoring of Chronic Diseases. In: Vlad S., Ciupa R.V. (eds) International Conference on Advancements of Medicine and Health Care through Technology. *IFMBE Proceedings*, Springer, **2011**; 36: 48–53.

LUCRĂRI ISI - co-autor

1. Fizeșan I, Rusu ME, Georgiu C, Pop A, Ștefan M-G, Muntean D-M, **Mirel S**, Vostinaru O, Kiss B, Popa D-S. Antitussive, Antioxidant, and Anti-Inflammatory Effects of a Walnut (Juglans regia L.) Septum Extract Rich in Bioactive Compounds. *Antioxidants*. **2021**; 10(1):119. **[IF 5.014]**.
2. Colobățiu L, Tabaran A, Flonta F, Oniga O, **Mirel S**, Mihaïu M, First description of plasmid-mediated quinolone resistance determinants and β -lactamase encoding genes in non-typhoidal Salmonella isolated from humans, one companion animal and food in Romania, *Gut Pathogens*, **2015**, 7:16, **[IF 2,28]**.
3. Colobățiu L, Oniga O, Tabaran A, Mihaïu R, **Mirel S**, Daniel SD, Mihaïu M. An Analysis of Escherichia coli Isolations for Antimicrobial Resistance Genes. *J Food Safety*, **2014**; 34(3): 233-238. **[IF 0,863]**.
4. Pop SL, Mărginean C, **Mirel S**, Daniel Mureșan, Daniela Pop Vornicescu, Rareș Gherman, Emil Onacă. Comparative study regarding celioprolol and metoprolol use in the treatment of essential arterial hypertension, *Farmacologia*, **2014**; 62 (4): 674- 682 **[IF 1,251]**.
5. Săndulescu R., **Mirel S.**, Oprean R. The development of spectrophotometric and electroanalytical methods for ascorbic acid and acetaminophen and their applications in the analysis of effervescent dosage forms, *J. Pharm. Biomed. Anal.* **2000**; 23: 77-87 **[IF 1.204]**.
6. Săndulescu R, **Mirel S**, Oprean R, Lotrean S. Comparative electrochemical study of some phenothiazines with carbon paste, solid carbon paste and glass-like carbon electrodes, *Collect. Czech. Chem. Commun.* **2000**; 65: 1014-1028 **[IF 0.96]**.
7. Roman L, **Mirel S**, Florean E, Oprean R. The potentiometric and spectrophotometric determination of dissociation constants for some 2-mercapto-5-R-amino-1,3,4-thiadiazole derivatives. *J. Pharm. Biomed. Anal.* **1998**; 18: 137-144 **[IF 0.914]**.
8. Săndulescu R, Marian I, **Mirel S**, Oprean R, Roman L, The voltammetric study of 2-mercapto-5-phenylamino-1,3,4-thiadiazole using carbon paste electrodes, *J. Pharm. Biomed. Anal.* **1998**; 18: 75-84 **[IF 0.914]**.
9. Săndulescu R, Florean E, Roman L, **Mirel S**, Oprean R, Suciu P, Spectrophotometric determination of fluoride in dosage forms and dental preparations, *J. Pharm. Biomed. Anal.* **1996**; 14: 951-958 **[IF 1.046]**.

LUCRĂRI ISI Proceedings – co-autor

1. Relationships between biomarkers of vascular dysfunction and peripheral arterial disease, Gherman C, Mironiuc A, Radulescu S, Filip A, **Mirel S**, Doru A, Pietricele I, Micula S. *Proceedings of the World Medical Conference*, **2010**: 164-169.

LUCRĂRI BDI, autor principal

1. **Mirel S**, Mihaiu L, Mirel V, Lupșe M, Strategies and perspectives for biomedical catheters designed to prevent device related infections, *Journal of International Scientific Publications - Materials, Methods & Technologies*. **2016**; 10:144-153.
2. **Mirel S**, Colobatiu L, Fasnuc E., Boboia A., Gherman C., Mirel V., and Muresan D. Materiovigilance and Medical Devices, *IFMBE Proceedings*, **2014** ; 44 : 101-106.
3. **Mirel S**, Lup AT, Colobățiu L, Pop Vornicescu D., Pop T, Mirel V, and Pop S. Evaluation of Self-Measurements for Two Blood Pressure Devices, *IFMBE Proceedings* **2014** ; 44: 79-82.
4. Muresan, I. Rotar, **S. Mirel**, The Informatised Follow Up of the Therapeutics Effects of Levonorgestrel Releasing Intrauterine Device – Mirena®, *IFMBE Proceedings* **2014** ; 44: 73-78.
5. **Mirel S**, Tănasa A., Iuonuț A M., Mirel V., Pop Vornicescu D., Mureșan D., Gherman C, Wound dressing's physical properties: an in vitro assessment, *Journal of International Scientific Publication - Materials, Methods & Technologies*. **2013**; 7 (2): 97-104.
6. **Mirel S**, Oprean R, Toma A, Tiuca I, Mirel V, Tamas M, Săndulescu R. Electrochemical method for assessing total antioxidant capacity of Crataegus extracts. *Rev. Med. Chir. Soc. Med. Nat.* **2009**; II 3 (2): 270-273.
7. **Mirel S**, Oprean R, Mirel V, Săndulescu R, Voltammetric determination of rutin in pharmaceutical dosage forms, *Farmacia*. **2008**; LVI (2):196-203.
8. Hanganu D, Pinteau A, Marculescu A, Toma C, **Mirel S**, Chemical Research Of Carotenoids From *Anthemis Tinctoria* L. (Asteraceae), *Farmacia*. **2008** LVI (3):344-351
9. **Mirel S**, Sima V, Lotrean S, Mirel V, Săndulescu R, Electrochemical behaviour of quercetine and its antioxidant capacity estimation, *Acta Electrotehnica*. **2007**, 48, 415-419.
10. **Mirel S**, Sima V, Lotrean S, Cupșa B, Săndulescu R, Tămaș M, Evaluation of the antioxidant capacity of *Vaccinium myrtillus* and *Aronia melanocarpa* fruits extracts by voltametry, *Acta Universitatis Cibiniensis, seria F, Chemia*. **2007**, X (2): 59-66.

LUCRĂRI BDI, co-autor

1. Dan S. D., M. Mihaiu, Alina Dana Magdas, G. Saplacan, **Mirel S**, Oana Reget, Alexandra Tabaran, 2015, Physico-chemical and microbiological changes during ripening of telemea cheese, *Lucrari Stiintifice Medicina Veterinara*. **2015**, XLVIII(2): 88-97.
2. Colobățiu L, Tăbăran A, **Mirel S**, Mihaiu M, Oniga O. Antimicrobial resistance of Shiga-toxin producing *Escherichia coli* causing human illness. *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca*. **2014**; 71(2).
3. Hanganu D, Vlase L, Filip L, Sand C, **Mirel S**, Indrei LL, The study of some polyphenolic compounds from *Melissa Officinalis* L. (Lamiaceae), *Rev. Med. Chir. Soc. Nat.* **2008**, II2 (2): 523-527.

ALTE ARTICOLE IN EXTENSO - autor principal

- publicate in reviste neindexate

1. **Mirel S**, Neag F, Neag M, Cercetări privind utilizarea poliuretanelor ca biomateriale, *Clujul medical*. **2008**, LXXXI (1): 127–131.
2. Mocan A, Mocan AM, Mocan SA, **Mirel S**, Monitoring of volatile organic compounds (voc's) emissions in a furniture factory, Studia Universitatis Babes-Bolyai, *Ambientum*. **2008**; LIII (1-2): 213-217.
3. **Mirel S**, Lotrean S, Tiuca I, Toma A, Săndulescu R, Tămas M., Evaluarea capacității antioxidante a unor produși naturali utilizând voltametria ciclică, *Clujul medical*. **2007**, LXXX (2): 841-848.

- publicate în volumele unor manifestări științifice internaționale

1. Dărăban AM, **Mirel S***, Haiduc AF, Iacob S. Highlighting the impact of the changes made regarding Students Initial Pharmaceutical Internship from the University of Medicine and Pharmacy, Cluj-Napoca - Comparative Study, *Proceedings of 9th Pharmacy Academic Conference, Porto, Livro De Actas Do VIII Colóquio De Farmácia* **2013**; 67-73 (ISBN 978-989-97801-1-8).
2. Dărăban AM, Haiduc AF, Iacob S, **Mirel S** Feedback regarding Students Initial Pharmaceutical Internship from the University of Medicine and Pharmacy, Cluj-Napoca. *Proceedings of 8th Pharmacy Academic Conference, Porto, Livro De Actas Do VIII Colóquio De Farmácia* **2012**; 119-125 (ISBN 978-989-7801-0-1).
3. **Mirel S**, Mirel V, Ghițulescu R, Preconcentration Method of Heavy Metals in Drinking Water Analysis 2010, in *IEEE International conference on automation, quality and testing, robotics*, Ed. UT Press Cluj-Napoca, **2010**: 65-68 (ISBN 978-973-662-562-6).
4. **Mirel S**, Neag F, Medical Devices Risk Management, *Proceedings of the International Conference on Automation, Quality and Testing, Robotics*. **2008** : 28-31 (ISBN 978-973-713-248-2).
5. Cristea C, Bodoki E, **Mirel S**, Sandulescu R. Electrochemical methods and sensors for food quality control, *Proceedings of workshop Specific methods for food safety and quality*, Belgrade, **2008**: 63-71 (ISBN 978-86-7306-101-6).
6. Roman L, Florean E, Săndulescu R. **Mirel S**, Preconcentration of Pb(II) with a 2-mercapto-5-phenylamino-1,3,4-thiadiazole loaded on silicagel. *Proceedings of the International Symposium on Metal Elements in Environment, Medicine and Biology*, Mirton Publ., Timisoara; **1995**: 205-208

CĂRȚI PUBLICATE – autor principal / coordonator / coautor

1. **Mirel S** (coordonator), *Practica farmaceutică de orientare - Ghid de practică de specialitate pentru studenții anului IV Farmacie*, Editura Medicală Universitară "Iuliu Hațieganu" 2020, ISBN 978-973-693-987-7.
2. **Mirel S**, Colobățiu L, *Dispositifs médicaux en pharmacie – Guide pour les étudiants en pharmacie*, Editura Medicală Universitară "Iuliu Hațieganu" Cluj-Napoca, 2017, ISBN 978-973-693-783-5.
3. **Mirel S**, Colobățiu L, *Dispozitive medicale disponibile în farmacie - Ghid de practică farmaceutică*, Editura Medicală Universitară "Iuliu Hațieganu" Cluj-Napoca, 2015, ISBN 978-973-693-278-6.
4. **Mirel S** (coordonator), *Stagiu de inițiere și orientare în practica farmaceutică: Ghid pentru studenții anilor I-IV*, Editura Medicală Universitară "Iuliu Hațieganu", Cluj-Napoca, 2013, ISBN 978-973-693-542-8.
5. **Mirel S**, Polinicencu M (coordonatori), *Rețete pentru o profesie - Amintiri din Farmacia secolului XX*, Editura Risoprint, Cluj-Napoca, 2011, ISBN 978-973-53-0521-5).
6. **Mirel S**, Neag F, *Produse tehnico-medicale*, Editura Medicală Universitară "Iuliu Hațieganu" Cluj-Napoca, 2008, ISBN 978-973-693-278-6.
7. **Mirel S**, *Cunoașterea produselor tehnico-medicale*, în Adina Popa (coordonator), *Ghid de practică în farmacie pentru studenții anului V*, Editura Medicală Universitară "Iuliu Hațieganu" Cluj-Napoca (2008, 2009, 2010, 2011, 2012).
8. **Mirel S**, *Cunoașterea dispozitivelor medicale*, în Adina Popa (coordonator), *Ghid de practică în farmacie pentru studenții anului V*, Editura Medicală Universitară "Iuliu Hațieganu" Cluj-Napoca (2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021).
9. Colobățiu L, **Mirel S**, *Tehnologii moderne în monitorizarea pacientului diabetic*, în Ovidiu Oniga (coordonator), *Medicamentele secolului XXI și terapii moderne*, Editura Medicală Universitară "Iuliu-Hațieganu" 2019, ISBN 978-973-693-896-2.
10. **Mirel S**, Colobățiu L, *Consilierea pacientului la eliberarea dispozitivelor medicale de autotestare*, în Ovidiu Oniga (coordonator), *Consilierea pacientului în farmacia comunitară*, Editura Medicală Universitară "Iuliu Hațieganu" Cluj-Napoca 2018, ISBN 978-973-693-838-2.
11. **Mirel S**, Colobățiu L, *Riscuri asociate utilizării dispozitivelor medicale. Importanța monitorizării*, în Ovidiu Oniga (coordonator), *Rolul farmacistului în farmacovigilență*, Editura Medicală Universitară "Iuliu Hațieganu" Cluj-Napoca 2017, ISBN 978-973-693-771-2.
12. Colobățiu L, Cernea M, **Mirel S**, Mihaiu M, Rezistența bacteriană –transmisibilitate pe lanț alimentar și evaluarea impactului asupra sănătății publice în Ovidiu Oniga (coordonator), *Actualități în cercetarea și utilizarea antibioticelor*, Editura Medicală Universitară "Iuliu Hațieganu" Cluj-Napoca, 2016, ISBN 978-973-693-670-8.
13. Săndulescu R, Oprean R, **Mirel S**, Bodoki E, Cristea C, Lotrean S, *Chimie analitică cantitativă*, Editura Risoprint, Cluj-Napoca, 2008, ISBN 979-973-7511-911-5.
14. Săndulescu R, Oprean R, **Mirel S**, Cristea C, Lotrean S, Bodoki E, *Chimie analitică calitativă*, Editura Risoprint, Cluj-Napoca, 2007, ISBN 978-973-7514-55-4.

15.02. 2022

Conf. Dr. Simona Mirel