

Lista lucrărilor publicate

1) Publicații în extenso în reviste ISI (cu FI) și BDI:

Autor principal

- **Alexandra Petrus**, Oana M. Duicu, Adrian Sturza, Lavinia Noveanu, Loránd Kiss, Maria Dănilă, István Baczkó, Danina M. Muntean, Norbert Jost. **Modulation of Mitochondrial Respiratory Function and ROS Production by Novel Benzopyran Analogues**. *Can J Phys Pharmacol*. 2015; 93(9): 811-8. Doi: 10.1139/cjpp-2015-0041. **FI: 1.704**
- **Alexandra Petrus**, Adrian Sturza, Diana Utu, Oana Duicu, Ovidiu Bedreag, Lorand Kiss, Istvan Baczko, Danina Muntean, Norbert Jost. **Modulation of Vascular Reactivity by Novel Synthetic Benzopyran Analogues in Rat Aortas**. *REV.CHIM.(Bucharest)*. 2016; 67(5): 908-910. **FI: 1.232**
- **Alexandra Petrus**, Adrian Sturza, Oana Duicu, Norbert Jost, Danina Muntean, Istvan Baczko. **Characterization of The Effects of SarcKATP and MitoKATP Modulators on Reperfusion-Induced Arrhythmias in Isolated Rat Hearts**. *Fiziologia - Physiology*. 2016; 26 (1): 35-39. (BDI)
- **Alexandra Petrus**, Corina Ratiu, Lavinia Noveanu, Rodica Lighezan, Mariana Rosca, Danina Muntean, Oana Duicu. **Assessment of Mitochondrial Respiration in Human Platelets**. *Rev. Chim.* (Bucharest). 2017; 68(4):768-771. **FI: 1.412**
 - **Petrus AT**, Lighezan DL, Danila MD, Duicu OM, Sturza A, Muntean DM, Ionita I. **Assessment of platelet respiration as emerging biomarker of disease**. *Physiol Res*. 2019; 68(3):347-363. DOI: 10.33549/physiolres.934032. **FI: 1.655**
- **Mioc, Alexandra**; Mioc, Marius; Ghiulai, Roxana; Voicu, Mirela; Babuta, Roxana; Trandafirescu, Cristina; Dehelean, Cristina; Coricovac, Dorina; Soica, Codruta Marinela. **Gold nanoparticles as targeted delivery systems and theranostic agents in cancer therapy**. *Current medicinal chemistry*. 2019; 26(35): 6493-6513. DOI: 10.2174/0929867326666190506123721. **FI: 4.184 - red area** (according to the JCR 2019 IF/AIS classification).
- Codruta Soica, Mirela Voicu, Roxana M. Ghiulai, Cristina Dehelean, Roxana Racoviceanu, Cristina Trandafirescu, Oana Rosca, Gabriela Nistor, Mioc Marius, **Alexandra Mioc**. **Natural compounds in sex hormone-dependent cancers: the role of triterpenes as therapeutic agents**. *Frontiers in Endocrinology*. 2021; 11: 612396. DOI: 10.3389/fendo.2020.612396. **FI: 5.555 - yellow area** (according to the JCR 2021 IF/AIS classification).
- Mioc M, **Mioc A*** (corresponding author), Prodea A, Milan A, Balan-Porcarasu M, Racoviceanu R, Ghiulai R, Iovanescu G, Macasoi I, Draghici G, Dehelean C, Soica C. **Novel Triterpenic Acid-Benzotriazole Esters Act as Pro-Apoptotic Antimelanoma Agents**. *Int J Mol Sci*. 2022 Sep 1;23(17):9992. doi: 10.3390/ijms23179992. **FI: 5.6 - yellow area** (according to the JCR 2021 IF/AIS classification).
- Ghiulai, R.; **Mioc A*** (corresponding author); Racoviceanu, R.; Mioc, M.; Milan, A.; Prodea, A.; Semenescu, A.; Dehelean, C.; Barbu Tudoran, L.; Avram, Ș.; Trandafirescu, C.; Șoica, C. **The Anti-Melanoma Effect of Betulinic Acid Functionalized Gold Nanoparticles: A Mechanistic In Vitro Approach**. *Pharmaceuticals* 2022, 15, 1362. <https://doi.org/10.3390/ph15111362> **FI: 4.6- red area** (according to the JCR 2021 IF/AIS classification).
- Gabriela Nistor, **Alexandra Mioc*** (*corresponding author), Marius Mioc, Mihaela Balan-Porcarasu, Roxana Ghiulai, Roxana Racoviceanu, Ștefana Avram, Alexandra Prodea, Alexandra Semenescu, Andreea Milan, Cristina Dehelean and Codruța Șoica. **Novel Semisynthetic Betulinic Acid-Triazole Hybrids with In Vitro Antiproliferative Potential**. *Processes*. 2023, 11, 101. <https://doi.org/10.3390/pr11010101>. **FI: 3.5**

- Mioc, M.; **Mioc, A.*** (*corresponding author), Racoviceanu, R.; Ghiulai, R.; Prodea, A.; Milan, A.; Barbu Tudoran, L.; Oprean, C.; Ivan, V.; Șoica, C. **The Antimelanoma Biological Assessment of Triterpenic Acid Functionalized Gold Nanoparticles.** *Molecules* 2023, 28, 421. <https://doi.org/10.3390/molecules28010421> **FI: 4.6- yellow area** (according to the JCR 2021 IF/AIS classification).

Co-autor

- Corina Danciu, Szilvia Berkó, Gábor Varju , Boglárka Balázs, Lajos Kemény, István Balázs Németh, Andreea Cioca, **Alexandra Petruș**, Cristina Dehelean, Citu Ioan Cosmin, Elena Amaricai, Claudia Crina Toma. **The Effect of Electroporation of a Lyotropic Liquid Crystal Genistein-Based Formulation in the Recovery of Murine Melanoma Lesions.** *Int J Mol Sci.* 2015; 16: 15425-15441; doi:10.3390/ijms16071542. **FI: 3.257 - yellow area** according to the JCR 2015 IF/AIS classification).
- Germaine Săvoiu-Balint , **Alexandra Petruș**, Rodica Mihăescu, Daniela Ionescu , Cosmin Citu, Iosif Marincu, Claudia - Crina Toma. **Role of Atorvastatin ((3R,5R)-7-[2-(4-fluorophenyl)-3-phenyl-4-(phenylcarbamoyl)-5-propan-2-ylpyrrol-1-yl]-3,5-dihydroxyheptanoic acid) on Endothelial Function in Patients with Dyslipidemia.** *REV CHIM.* 2015; 66(6): 833-836. **FI: 0.956**
- Germaine Savoiu Balint, Ovidiu Boruga, Gheorghe Iovanescu, Ramona Amina Popovici, Sorin Lucian Bolintineanu, Rodica Mihaescu, Calin Marius Popoiu, Eugen Boia, **Alexandra Petruș**, Mihaiela Andoni. **The Effects of Hg²⁺ on Endothelial Function in Electronic Cigarette Smokers with Coronary Artery Disease.** *REV CHIM.* 2017; 68(4):711-714. **FI: 1.412**
- Oana M Duicu , Andreea Privistirescu, Adrian Wolf, **Alexandra Petruș**, Maria D. Dănilă, Corina Ratiu, Danina M. Muntean, Adrian Sturza. **Methylene blue improves mitochondrial respiration and decreases oxidative stress in a substrate-dependent manner in diabetic rat hearts.** *Can J Phys Pharmacol.* 2017; 95(11): 1376-1382. DOI: 10.1139/cjpp-2017-0074. **FI: 2.210**
- Vivien Demeter-Haludka, Mária Kovács, **Alexandra Petruș**, Roland Patai, Danina M Muntean, László Siklós, Ágnes Végh. **Examination of the Role of Mitochondrial Morphology and Function in the Cardioprotective Effect of Sodium Nitrite Administered 24 h Before Ischemia/Reperfusion Injury.** *Front. Pharmacol.* 2018; 9:286. DOI: 10.3389/fphar.2018.00286. **FI: 3.845 - red area** (according to the JCR 2018 IF/AIS classification).
- Marius Mioc, Sorin Avram, Vasile Bercean, Ludovic Kurunczi, Roxana Maria Ghiulai, Camelia Oprean, Dorina Elena Coricovac, Cristina Dehelean, **Alexandra Mioc**, Mihaela Balan-Porcarasu, Calin Tatu, Codruta Soica. **Design, synthesis and biological activity evaluation of S-substituted 1H-5-mercapto-1, 2, 4-triazole derivatives as antiproliferative agents in colorectal cancer.** *Frontiers in Chemistry.* 2018; 6:373. DOI: 10.3389/fchem.2018.00373. **FI: 3.782 - yellow area** (according to the JCR 2018 IF/AIS classification).
- C Rațiu, D Uțu, **A Petruș**, P Norbert, S Olariu, O Duicu, A Sturza, DM Muntean. **Monoamine oxidase inhibition improves vascular function and reduces oxidative stress in rats with lipopolysaccharide-induced inflammation.** *General physiology and biophysics*, 2018, 37(6):687-694. DOI:10.4149/gpb_2018014. **FI: 1.309**
- Macasoi I, Mioc M, Vaduva DB, Ghiulai R, **Mioc A** , Soica C, Muntean D, Dumistrascu V. **In silico Evaluation of the Antiproliferative Mitochondrial Targeted Mechanism of Action of Some Pentacyclic Triterpene Derivatives.** *REV.CHIM.(Bucharest).* 2018; 69(12): 3361-3363. **FI: 1.605**
- Ionica, Mihaela; Aburel, Oana M; Vaduva, Adrian; **Petruș, Alexandra**; Rațiu, Sonia; Olariu, Sorin; Sturza, Adrian; Muntean, Danina M. **Vitamin D alleviates oxidative stress in adipose tissue and mesenteric vessels from obese patients with subclinical inflammation.** *Canadian journal of physiology and pharmacology.* 2020; 98(2): 85-92. DOI:10.1139/cjpp-2019-0340 **FI: 2.273**

- Racoviceanu, R; Trandafirescu, C; Voicu, M; Ghiulai, R; Borcan, F; Dehelean, C; Watz, C; Aigner, Z; Ambrus, R; Coricovac, DE; Cicioban, D; **Mioc, A**; Szuhaneck, CA; Soica, C. **Solid Polymeric Nanoparticles of Albendazole: Synthesis, Physico-Chemical Characterization and Biological Activity.** *Molecules*. 2020; 25(21). DOI: 10.3390/molecules25215130, **FI: 4.412 - yellow area** (according to the JCR 2020 IF/AIS classification).
- Roxana Ghiulai, Oana Janina Rosca, Diana Simona Antal, Marius Mioc, **Alexandra Mioc**, Roxana Racoviceanu, Ioana Macasoi, Tudor Olariu, Cristina Dehelean, Octavian Marius Cretu, Mirela Voicu, Codruta Soica. **Tetracyclic and Pentacyclic Triterpenes with High Therapeutic Efficiency in Wound Healing Approaches.** *Molecules*. 2020; 25, 5557; doi:10.3390/molecules25235557. **FI: 4.412 - yellow area** (according to the JCR 2020 IF/AIS classification).
- Delia Dumbrava, Liviana Alexandra Popescu, Codruța Marinela Soica, Alma Nicolin, Ileana Cocan, Monica Negrea, Ersilia Alexa, Diana Obistoiu, Isidora Radulov, Sofia Popescu, Claudia Watz, Roxana Ghiulai, **Alexandra Mioc**, Camelia Szuhaneck, Cosmin Sinescu, Cristina Dehelean. **Nutritional, Antioxidant, Antimicrobial and Toxicological Profile of Two Innovative Types of Vegan, Sugar-Free Chocolate.** *Foods*. 2020; 9,1844. doi:10.3390/foods9121844. **FI: 4.35 - yellow area** (according to the JCR 2020 IF/AIS classification).
- Călin Jianu, Daniela Stoin, Ileana Cocan, Ioan David, Georgeta Pop, Alexandra Teodora Lukinich-Gruia, Marius Mioc, **Alexandra Mioc**, Codruța Șoica, Delia Muntean, Laura-Cristina Rusu, Ionuț Goleț, Delia Ioana Horhat. **In Silico and In Vitro Evaluation of the Antimicrobial and Antioxidant Potential of Mentha× smithiana R. GRAHAM Essential Oil from Western Romania.** *Foods*. 2021; 10(4): 815. DOI10.3390/foods10040815. **FI: 5.561 - yellow area** (according to the JCR 2021 IF/AIS classification).
- Radulescu M, Jianu C, Lukinich-Gruia AT, Mioc M, **Mioc A**, Soica C, Loredana Gabriela Stana. **Chemical Composition, In Vitro and In Silico Antioxidant Potential of Melissa officinalis subsp. officinalis Essential Oil.** *Antioxidants*. 2021;10(7): 1081. DOI10.3390/antiox10071081. **FI: 7.675 - red area** (according to the JCR 2021 IF/AIS classification).
- Kazakova O, Șoica C, Babaev M, Petrova A, Khusnutdinova E, Poptsov A, Macasoi I, Draghici G, Avram S, Vlaia L, **Mioc A**, Mioc M, Dehelean C, Voicu A. **3-Pyridinylidene Derivatives of Chemically Modified Lupane and Ursane Triterpenes as Promising Anticancer Agents by Targeting Apoptosis.** *Int J Mol Sci*. 2021;22(19):10695. DOI10.3390/ijms221910695. **FI: 6.208 - yellow area** (according to the JCR 2021 IF/AIS classification).
- Călin Jianu, Ionuț Goleț, Daniela Stoin, Ileana Cocan, Gabriel Bujancă, Corina Mișcă, Marius Mioc, **Alexandra Mioc**, Codruța Șoica, Alexandra Teodora Lukinich-Gruia, Laura-Cristina Rusu, Delia Muntean, Delia Ioana Horhat. **Chemical Profile of Ruta graveolens, Evaluation of the Antioxidant and Antibacterial Potential of Its Essential Oil, and Molecular Docking Simulations.** *Applied Sciences*. 2021;11(24): 11753. DOI10.3390/app112411753. **FI: 2.838.**
- Irina Smirnova, George Draghici, Oxana Kazakova, Lavinia Vlaia, Stefana Avram, **Alexandra Mioc**, Marius Mioc, Ioana Macasoi, Cristina Dehelean, Adrian Voicu, Codruta Soica. **Hollongdione arylidene derivatives induce antiproliferative activity against melanoma and breast cancer through pro-apoptotic and antiangiogenic mechanisms.** *Bioorganic Chemistry*. 2022; 119:105535. DOI10.1016/j.bioorg.2021.105535 **FI: 5.307. - yellow area** (according to the JCR 2021 IF/AIS classification).
- Macasoi, Ioana*; **Mioc, Alexandra***; Mioc, Marius; Soica, Irina; Chevereșan, Adelina; Dehelean, Cristina; Dumitrașcu, Victor (* authors with equal contribution). **Targeting mitochondria through the use of mitocans as emerging anticancer agents.** *Current medicinal chemistry*. 2020; 27(34): 5730-5757. DOI:10.2174/0929867326666190712150638 **FI: 4.53 - yellow area** (according to the JCR 2021 IF/AIS classification).

- Macasoi, I; Pavel, IZ; Moaca, AE; Avram, S; David, VL; Coricovac, D; **Mioc, A***; Spandidos, DA; Tsatsakis, A; Soica, C; Dumitrascu, V; Dehelean, C. (#corresponding author). **Mechanistic investigations of antitumor activity of a Rhodamine B-oleanolic acid derivative bioconjugate**. *Oncology Reports*. 2020; 44(3): 1169-1183. DOI: 10.3892/or.2021.7981 **FI: 3.906**
- Dorina Coricovac, Cristina Adriana Dehelean, Iulia Pinzaru, **Alexandra Mioc*** (*corresponding author), Oana-Maria Aburel, Ioana Macasoi, George Andrei Draghici, Crina Petean, Codruta Soica, Madalina Boruga, Brigitha Vlaicu, Mirela Danina Muntean. **Assessment of Betulinic Acid Cytotoxicity and Mitochondrial Metabolism Impairment in a Human Melanoma Cell Line**. *Int J Mol Sci*. 2021; 22, 4870. <https://doi.org/10.3390/ijms2209487>. **FI: 6.208**. - yellow area according to the JCR 2021 IF/AIS classification).
- Kazakova O, **Mioc A***, Smirnova I, Baikova I, Voicu A, Vlaia L, et al (* authors with equal contribution). **Novel Synthesized N-Ethyl-Piperazinyl-Amides of C2-Substituted Oleanonic and Ursolic Acids Exhibit Cytotoxic Effects through Apoptotic Cell Death Regulation**. *Int J Mol Sci*. 2021;22(20):10967. **FI: 6.208** - yellow area (according to the JCR 2021 IF/AIS classification).
- Minda D*, **Mioc A***, Banciu C, Soica C, Racoviceanu R, Mioc M, Macasoi I, Avram S, Voicu A, Motoc A, Trandafirescu C (*Authors with equal contribution). **Cyclodextrin Dispersion of Mebendazole and Flubendazole Improves In Vitro Antiproliferative Activity**. *Processes*. 2021, 9(12)2185. **FI 3.352**
- Alexandra Prodea†, **Alexandra Mioc†** (†Authors with equal contribution), Christian Banciu*, Cristina Trandafirescu,* Andreea Milan, Roxana Racoviceanu, Roxana Ghiulai, Marius Mioc, Codruta Soica. **The role of cyclodextrins in the design and development of 2 triterpene-based therapeutic agents**. *Int J Mol Sci*. 2022;22. **FI: 5.6**- yellow area (according to the JCR 2021 IF/AIS classification).
- Mioc M, Milan A, Malița D*, **Mioc A***(*corresponding author), Prodea A, Racoviceanu R, Ghiulai R, Cristea A, Căruntu F, Șoica C. **Recent Advances Regarding the Molecular Mechanisms of Triterpenic Acids: A Review (Part I)**. *Int J Mol Sci*. 2022 Jul 13;23(14):7740. doi: 10.3390/ijms23147740. **FI: 5.6**- yellow area (according to the JCR 2021 IF/AIS classification).
- Nistor G, Trandafirescu C, Prodea A, Milan A, Cristea A, Ghiulai R, Racoviceanu R, **Mioc A**, Mioc M, Ivan V, Șoica C. **Semisynthetic Derivatives of Pentacyclic Triterpenes Bearing Heterocyclic Moieties with Therapeutic Potential**. *Molecules*. 2022 Oct 3;27(19):6552. doi: 10.3390/molecules27196552 **FI: 4.6**- yellow area (according to the JCR 2021 IF/AIS classification).
- Gabriela Nistor, Marius Mioc, **Alexandra Mioc**, Mihaela Balan-Porcarasu, Roxana Racoviceanu, Alexandra Prodea, Andreea Milan, Roxana Ghiulai, Alexandra Semenescu, Cristina Dehelean, Codruța Șoica. **The C30-Modulation of Betulinic Acid Using 1, 2, 4-Triazole: A Promising Strategy for Increasing Its Antimelanoma Cytotoxic Potential**. *Molecules* 2022, 27(22), 7807; DOI10.3390/molecules27227807 **FI: 4.6** - yellow area (according to the JCR 2021 IF/AIS classification).
- Mioc M, Prodea A, Racoviceanu R*, **Mioc A***(*corresponding author), Ghiulai R, Milan A, Voicu M, Mardale G, Șoica C. **Recent Advances Regarding the Molecular Mechanisms of Triterpenic Acids: A Review (Part II)**. *Int J Mol Sci*. 2022 Aug 10;23(16):8896. doi: 10.3390/ijms23168896 **FI: 5.6** - yellow area (according to the JCR 2021 IF/AIS classification).
- Vlad Tiberiu Alexa, Atena Galuscan, Codruța M Soica, Antoanela Cozma, Dorina Coricovac, Florin Borcan, Iuliana Popescu, **Alexandra Mioc**, Camelia Szuhaneck, Cristina Adriana Dehelean, Daniela Jumanca. **In vitro assessment of the cytotoxic and antiproliferative profile of natural preparations containing bergamot, orange and clove essential oils**. *Molecules* 2022, 27(3), 990; DOI10.3390/molecules27030990. **FI: 4.6**- yellow area (according to the JCR 2021 IF/AIS classification).
- Milan A*, **Mioc A*** (*authors with equal contribution), Prodea A, Mioc M, Buzatu R, Ghiulai R, Racoviceanu R, Caruntu F, Șoica C. **The Optimized Delivery of Triterpenes by Liposomal Nanoformulations: Overcoming the Challenges**. *Int J Mol Sci*. 2022 Jan 20;23(3):1140. doi: 10.3390/ijms23031140 **FI: 5.6** - yellow area (according to the JCR 2021 IF/AIS classification).

- Prodea A*, **Mioc A*** (*authors with equal contribution), Banciu C, Trandafirescu C, Milan A, Racoviceanu R, Ghiulai R, Mioc M, Soica C. **The Role of Cyclodextrins in the Design and Development of Triterpene-Based Therapeutic Agents**. Int J Mol Sci. 2022 Jan 10;23(2):736. doi: 10.3390/ijms23020736. **FI:5.6-yellow area** (according to the JCR 2021 IF/AIS classification).
- Jianu, C.; Rusu, L.-C.; Muntean, I.; Cocan, I.; Lukinich-Gruia, A.T.; Goleț, I.; Horhat, D.; Mioc, M.; **Mioc, A.**; Șoica, C.; Bujancă, G.; Ilie, A.C.; Muntean, D. **In Vitro and In Silico Evaluation of the Antimicrobial and Antioxidant Potential of Thymus pulegioides Essential Oil**. Antioxidants 2022, 11, 2472. DOI10.3390/antiox11122472. **FI: 7- red area** (according to the JCR 2021 IF/AIS classification).
- Oana Budu, Christian Dragos Banciu, Codruta Soica, Daniel Florin Lighezan, Andreea Milan, Alexandra Prodea, **Alexandra Mioc**, Marius Mioc, Gabriel Mardale, Laurentiu Sima. **Lactiseibacillus rhamnosus—A Promising Tool for Colorectal Cancer Treatment**. Processes 2023, 11(3), 781; [DOI10.3390/pr11010101](https://doi.org/10.3390/pr11010101). **FI: 3.5**
- Jianu C., Lukinich-Gruia A.T., Rădulescu M., Mioc M., **Mioc A.**, Șoica C., Constantin A.T., David I., Bujancă G., Radu R.G. Essential Oil of Origanum vulgare var. aureum L. from Western Romania: Chemical Analysis, In Vitro and In Silico Screening of Its Antioxidant Activity. (2023) Applied Sciences (Switzerland), 13 (8). DOI: 10.3390/app13085076

2) Cărți și capitole în cărți

2.1 Carti:

- *Anatomia, fiziologia si fiziopatologia sistemelor: cardiovascular, endocrin, osos, muscular, digestiv, renal*. Savoiu G., Borza C., Serban C., **Petrus A.**, Editura Eurobit, Timisoara, 2014.
- *Anatomie, fiziologie si fiziopatologie. Note de curs pentru Asistentii de farmacie*. **Mioc A.**, Savoiu-Balint G. Editura Victor Babes, Timisoara, 2021.
- *Anatomy, Physiology and Pathophysiology Course notes for pharmacy students*. **Mioc A.**, Savoiu-Balint G. Editura Victor Babes, Timisoara, 2023. ISBN 978-606-786-315-4.
- *Anatomie, fiziologie, fiziopatologie. Note de curs pentru studenții facultății de farmacie*. **Mioc A.**, Savoiu-Balint G. Editura Victor Babes, Timisoara, 2023. ISBN 978-606-786-316-1.

2.2 Capitol de carte:

- "Modularea functiei respiratorii mitochondriale ca strategie cardioprotectoare la reperfuzia postischemica". Clasic si modern in fiziopatologie: o abordare integrative in educatie si cercetare. Ed. "Gr.T. Popa", sub red.: Prof. Univ. Dr. Magda Badescu, Iasi, 2015. p. 107-112, ISBN: 978-606-544-310-5.

3) Alte lucrări și contribuții științifice

Publicații în rezumat:

A. Manifestări științifice naționale:

- **Petrus A.**, Duicu O., Sturza A., Noveanu L., Kiss L., Dănilă M., Baczkó I., Jost N., Muntean D. **Novel Synthetic Benzopyranyl Analogues Act as Uncoupling Protonophores & Decrease ROS Production in Isolated Rat Heart Mitochondria** - lucrare prezentată la The 13th National Conference of Biophysics, 4-6 iunie 2015, Timisoara, Romania. Volum de rezumate p. 32. ISSN:2248-0749
- **Alexandra Petrus**, Oana M. Duicu, Adrian Sturza, Lavinia Noveanu, Loránd Kiss, Maria Dănilă, István Baczkó, Norbert Jost, Danina M. Muntean. **Modulation of Mitochondrial Respiration and ROS Production in Isolated Rat Heart Mitochondria by Novel Mitochondrial Potassium Channel Openers** – prezentat la workshop-ul: "INTEGRAREA SCOLILOR DOCTORALE IN REțele EUROPENE", 27-28 martie 2015, Timisoara, Romania.

- Caragi D, Duicu O, Petruș A, Muntean D. **Assesment of mitochondrial dysfunction in aged rats by high resolution respirometry**. Medis, Timișoara, Martie 16-19, 2017.

B. Manifestări științifice naționale cu participare internațională:

- Petruș A, Duicu O., Sturza A., Noveanu L., Kiss L, Dănilă M, Baczko I., Jost N., Muntean D. **Efectele noilor deschizători ai mitoKATP asupra respirației mitocondriale și a producției de SRO**. Congresul Național al Societății Române de Fiziopatologie cu participare internațională – Clasic și modern în Fiziopatologie. Volum de rezumate. 7-10 mai 2015, Iași, România. p. 231, ISBN: 978-606-544-311-2.
- Petruș A, Duicu O., Sturza A., Noveanu L., Kiss L, Dănilă M, Baczko I., Jost N., Muntean D. **Novel Mitochondrial Potassium Channel Openers Modulate Mitochondrial Respiration and ROS Production in Isolated Rat Heart Mitochondria**- la conferința: 49th Annual Scientific Meeting of the European Society for Clinical Investigation. European Journal of Clinical Investigation. 45 (Suppl. 2): 4-68. 27-30 mai 2015, Cluj-Napoca, România **FI: 2.68**
- Noveanu L, Privistirescu A, Danila M, Petrus A, Petcu M, Muntean D, Baczko I, Jost N. **The Effects of Novel ATP-Dependent Potassium Channels Modulators on Referfusion Arrhythmias**. Congresul Național al Societății Române de Fiziopatologie cu participare internațională - Clasic și modern în Fiziopatologie. 7-10 mai 2015, Iași, România. p. 200, ISBN: 978-606-544-311-2.
- Scurtu Mytiko, O.M. Duicu, A. Sturza, I.Z. Pavel, A. Petrus, A. Privistirescu, C. Dehelean, D.M. Muntean. **Characterization of the effects of two cholesterol-lowering drugs on mitochondrial function in H9c2 myoblasts**. The 49th Annual Scientific Meeting of the European Society for Clinical Investigation Cluj-Napoca, Romania 27 – 30 may 2015, European Journal of Clinical Investigation. 45 (Issue Supplement s2): p. 31. Online ISSN: 1365-2362. **FI: 2.68**
- Mytiko, O. M. Duicu, R. Popescu, I. Z. Pavel, stud. A. Wolf, A. Petruș, A. Privistirescu, A. Sturza, D. M. Muntean. **Efectele bioenergetice și metabolice ale medicației hipocolesterolemiante pe mioblastii H9c2**. Congresul Național al Societății Române de Fiziopatologie cu participare internațională, 7-10 mai 2015, Iași, România.
 - Petruș A, Pop N, Marian L, Duicu O, Kiss L, Baczkó I, Jost N, Olariu S, Muntean D, Sturza A. **Vascular protection mediated by ATP-dependent channels in experimental diabetes**. Conferința Societății Române de Fiziopatologie, Cluj-Napoca, România, 7-9 Septembrie, Clujul medical, Vol 90. Pg: S88. 2017 Print ISSN 1222-2119; Online ISSN 2066-8872
 - Ionica M, Duicu O, Petrus A, Pop N, Olariu S, Popoiu C, Boia E, Sturza A, Muntean D. **The impact of obesity on white adipose tissue oxygen consumption: a preliminary data report**. Conferința Societății Române de Fiziopatologie, Cluj-Napoca, România, 7-9 Septembrie, 2017. Clujul medical, Vol 90. Pg: S94. Print ISSN 1222-2119; Online ISSN 2066-8872.
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