

INFORMAȚII PERSONALE

Ionela Andreea Anechitei



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EXPERIENȚA PROFESIONALĂ

2010–Prezent

Laborant studii superioare

Universitatea de Medicina si Farmacie „Victor Babes”, Disciplina de Fiziopatologie, Splaiul Tudor Vladimirescu, Nr.14, 300575 Timisoara (România)

2014–2023

Activitate didactică în regim de plata cu ora (laboratoare Fiziopatologie la studenții anului I ai programelor de studii AMG și BFKT)

Universitatea de Medicina si Farmacie „Victor Babes”, Disciplina de Fiziopatologie, Splaiul Tudor Vladimirescu, Nr.14, 300575 Timisoara (România)

EDUCAȚIE ȘI FORMARE

2014–2018

Diploma de Doctor in medicina

Universitatea de Medicina si Farmacie „Victor Babes”, Timisoara (România)

2010–2012

Diploma de master - Biologie moleculara si biotehnologii

Universitatea de Medicina si Farmacie „Victor Babes”, Timisoara (România)

2004–2009

Diploma de inginer - Chimie industrială si ingineria mediului

Universitatea „Politehnica”, Timisoara (România)

COMPETENȚE PERSONALE

Limba(i) maternă(e)

română

Limbile străine

engleză

ÎNȚELEGERE		VORBIRE		SCRIERE
Ascultare	Citire	Participare la conversație	Discurs oral	
B2	B2	B1	B1	B1

Niveluri: A1 și A2: Utilizator elementar - B1 și B2: Utilizator independent - C1 și C2: Utilizator experimentat
 Cadrul european comun de referință pentru limbi străine

Competențe informatice

- O bună cunoaștere a instrumentelor Microsoft Office și a programului de statistica GraphPad.

Competențe dobândite la locul de muncă

- Studiul disfuncției mitocondriale prin respirometrie de înaltă rezoluție
- Studiul disfuncției endoteliale experimentale în baie de organ
- Evaluarea in vitro a stresului oxidativ (tehnica FOX, metoda Amplex Red)

- Studiul ischemiei/reperfuziei pe cord izolat perfuzat retrograd tip Langendorff cu evaluarea mărimii ariei infarctului experimental prin planimetrie computerizată

Permis de conducere B

INFORMAȚII SUPLIMENTARE

- Afilieri**
- Membra al Centrului de Cercetare Translațională și Medicina Sistemelor din cadrul UMF "Victor Babeș" Timișoara - <https://erris.gov.ro/Center-for-Translational-Res>
 - Membra în Societatea Română de Fiziopatologie
- Distincții**
- **Premiu la secțiunea prezentări poster** pentru lucrarea cu titlul: Zilele Universității de Medicină și Farmacie "Victor Babeș" Timișoara care a avut loc în data de 15 Decembrie 2017 în Timișoara, România
 - **Premiul I la secțiunea prezentări poster** pentru lucrarea cu titlul: **Methylene blue improves vascular function in experimental diabetes**. Din cadrul Conferinței Societății Române de Fiziopatologie care a avut loc în perioada 7-9 Septembrie 2017 în Cluj-Napoca, România.
 - **Premiu la secțiunea prezentări poster** pentru lucrarea cu titlul: **Beneficial effects of methylene blue on vascular function in experimental diabetes**. Zilele Universității de Medicină și Farmacie "Victor Babeș" Timișoara care a avut loc în data de 14 Decembrie 2017 în Timișoara, România

- Conferințe** Participarea cu prezentare de poster:
- Congresul Național al Societății Române de Fiziopatologie cu participare internațional "CLASIC ȘI MODERN ÎN FIZIOPATOLOGIE - O abordare integrativă în educație și cercetare" care a avut loc în data de 7 –10 mai 2015 în Iași, România
 - Zilele Universității de Medicină și Farmacie "Victor Babeș" Timișoara care a avut loc în data de 15 Decembrie 2016 în Timișoara, România
 - Conferința Societății Române de Fiziopatologie care a avut loc în perioada 7-9 Septembrie 2017 în Cluj-Napoca, România.
 - Zilele Universității de Medicină și Farmacie "Victor Babeș" Timișoara care a avut loc în data de 14 Decembrie 2017 în Timișoara, România

- Proiecte** Competente în activitatea de cercetare fundamentală experimentală dobândite prin:
- Participarea ca **membă în colectivele următoarelor proiecte de cercetare internaționale și naționale:**
 1. Proiect național de tip Parteneriat "Formulări de avangardă pe bază de eugenol nanocapsulat cu adresabilitate în medicina dentară" - NANOEUCAPS, cod PN-III-P2-2.1-BG-2016-0455, contract 122BG - 03/10/2016.
 2. Proiect național "O abordare epitoxicogenomică hepatotoxicității cadmiului: un model gasteropod" - EPICAD, cod PN-II-RU-TE2014-4-0776-TE18
 3. Hungary-Romania Cross-Border Cooperation Project "Twinning Project for the Joint Development of the Research Infrastructure"- HURO-TWIN, cod 1101/082/2.2.1, 2013-2014
 4. Hungary-Romania Cross-Border Cooperation Project "Implementation of a Regional Project for Translational Medical Research Concerning Diseases with High Impact in Population – HURO TRANSMED", cod HURO/0901/137/2.2.2, 2011-2012
 5. Hungary-Romania Cross-Border Cooperation Project "Development of the infrastructure for a pole of excellence in cardiovascular research – HURO-CARDIO-POL", cod HURO/0802/011_AF, 2010-2012
 6. Proiect național de tip Parteneriate în domenii prioritare, "Strategii cardioprotectoare la reperfuzie – mitocondria ca multiplă țintă terapeutică" - CARDIO-MITO-PROT, cod 2560/2008, contract 42122/2008, 2008-2011.
 - **Participarea la mobilități de training în cadrul proiectului de cooperare transfrontalieră**

româno-ungară "Twinning Project for the Joint Development of the Research Infrastructure"- HURROTWIN, cod 1101/082/2.2.1. Institutia gazda: University of Szeged, Faculty of Medicine, Department of Pharmacology & Pharmacotherapy, Szeged, Hungary (perioadele 25.03.2013 - 08.04.2013, 22.07.2013 - 26.07.2013)

Publicații
Articole

- **Privistirescu, I.A.**, Sima, A., Duicu, O.M., Timar, R., Roșca, M.G., Sturza, A., Muntean, D.M. *Methylene blue alleviates endothelial dysfunction and reduces oxidative stress in aortas from diabetic rats.* **Can J Physiol Pharmacol** 2018 Jun 12:1-5. doi: 10.1139/cjpp-2018-0119. **IF: 2,21**
- Duicu, O.M., **Privistirescu, A.**, Wolf, A., Petruș, A., Dănilă, M.D., Rațiu, C.D., Muntean, D.M., Sturza, A. Methylene blue improves mitochondrial respiration and decreases oxidative stress in a substrate-dependent manner in diabetic rat hearts. **Can J Physiol Pharmacol** 2017; 95(11): 1376-1382. **IF: 2,21**
- Nica, D.V., Popescu, C., Draghici, G.A., Andrica, F.M., **Privistirescu, I.A.**, Gergen, I.I., Stöger, R. *High-level dietary cadmium exposure is associated with global DNA hypermethylation in the gastropod hepatopancreas.* **PLoS One**, 2017; 12(9):e0184221. **IF: 2.776**
- Nica, D., Popescu, C., Draghici, G., **Privistirescu, I.**, Suci, M., Stöger, R. *Effect of cadmium on cytosine hydroxymethylation in gastropod hepatopancreas.* **Environ Sci Pollut Res Int.** 2017; 24(17):15187-15195. **IF: 2.914**
- Dănilă, M.D., **Privistirescu, A.**, Duicu, O., Rațiu, C.D., Angoulvant, D., Muntean D.M., Sturza, A. The effect of purinergic signaling via the P2Y11 receptor on vascular function in a rat model of acute inflammation. **Mol Cell Biochem** 2017; 431: 37-44. **IF: 2,669**
- Danila, M., **Privistirescu, A.**, Mirica, S., Sturza, A., Ordodi, V., Noveanu, L., Duicu, O., Muntean, D. Acute inhibition of monoamine oxidase and ischemic preconditioning in isolated rat hearts: interference with postischemic functional recovery but no effect on infarct size reduction. **Canadian Journal of Physiology and Pharmacology** 2015; 93: 1-7. **IF: 1,77**
- Duicu, O., Scurtu, I., Popescu, R., Sturza, A., Coricovac, D., Danila, M., **Privistirescu, A.**, Muntean, D. Assessment of the effects of methylene blue on cellular bioenergetics in H9c2 cells. **Revista de chimie** 2015; 66(4): 519-522. **IF: 0,956**
- Sturza, A., Duicu, O., Vaduva, A., Noveanu, L., Danila, M., **Privistirescu, A.**, Timar, R., Muntean, D., Munteanu, M. Reduction of rage expression by vitamin D in isolated diabetic rat aortas. **Revista de chimie** 2015; 66(4): 1509-1512. **IF: 0,956**
- Citu, I.O., Coricovac, D., Kerti, V., Duicu, O., **Privistirescu, A.**, Ardelean, S., Muntean, D., Dehelean, C. Decreased respiratory function in liver mitochondria isolated from healthy old rats. **Farmacia** 2015; 63(1):99-103. **IF: 1,162**
- Sturza, A., Duicu, O., Vaduva, A., Noveanu, L., Danila, M., **Privistirescu, A.**, Munteanu, M., Muntean, D. Vitamin D improves vascular function in experimental diabetes. **Fiziologia – Physiology** 2015; 25.3(87): 4-9.
- Duicu, O., Sturza, A., Scurtu, I., **Privistirescu, A.**, Dănilă, M., Noveanu, L., Muntean, D. Novel insights into the role of methylene blue in mitochondrial protection. **Fiziologia – Physiology** 2015; 25.2(86): 38-41.
- Scurtu, I., Popescu, R., **Privistirescu, A.**, Sturza, A., Pavel, ZI., Verdes, D., Duicu, OM., Munteanu, DM. The effects of two lipid-lowering drugs on mitochondrial respiration in H9C2 cell line. **Fiziologia – Physiology** 2015; 25.4(86): 66-69.
- Danila, M., **Privistirescu, A.**, Scurtu, I., Sturza, A., Noveanu, L., Duicu, O., Muntean, D. Characterization of respiratory function of isolated rat cortical renal mitochondria. **Revista Romana de Medicina Veterinara** 2015; 25(2): 45-50.
- Scurtu, I., Sturza, A., Pavel, I.Z., Popescu, R., **Privistirescu, A.**, Duicu, O.M., Muntean, D.M. Bioenergetic characterization of H9C2 cells using the extracellular flux analyzer. **Revista medico-chirurgicala a Societații de Medici și Naturalisti** 2015; 119(2): 491-495.

REZUMATE

- Iasmina M. Ilinca, **Andreea I. Anechitei**, Adrian Sturza, Claudia Borza, Edward Șeclăman, Flavia Zară, Danina M. Muntean - Assessment of the Oxidative Stress in Colorectal Cancer: Focus of Monoamine Oxidase Contribution and Its Interaction With mRNA, ADVANCED RESEARCH SYMPOSIUM FOR PhD STUDENTS "Trends in Medical Research: Where Do We Stand in 2025?"
- Sturza A, Buriman D, Danila M, **Anechitei A**, Avram V, Feier HB, Borza C, Muntean DM, Monoamine Oxidase Overexpression Persists Despite Glycemia Normalization And Contributes To

Endothelial Dysfunction In Experimental Diabetes, Czech Cardiovascular Research and Innovation Days 2025 & 11th European Section Meeting of the International Academy of Cardiovascular Sciences, Prague, November 2–4, 2025, Cor Vasa 2025;67(Suppl. 4), Pag 73-74, ISSN 0010-8650 (print), ISSN 1803-7712 (online)

- Agoston-Vas, A., Ilie, C., **Privistirescu, A.**, Borza, C. *Functional evaluation of oxidative stress parameters in hypoxic premature born infants*. FREE RADICAL BIOLOGY AND MEDICINE, 2019; 139(S1): S10-S10 IF: **5.657**
- Duicu, O., Petrus, A., Fendt, M., **Privistirescu, A.**, Sturza, A., Muntean, D., Lighezan, R. *Impairment of platelet mitochondrial respiration in patients with metabolic syndrome: a pilot study*. **European Section meeting of IACS**, 28-30 septembrie 2017, Pecs, Hungary; Programme book pag.71.
- **Privistirescu, A.**, Duicu, O., Petrus, A., Ratiu, C., Ionica, L., Sturza, A., Muntean, D. *Protective effects of methylene blue and MAO inhibitors in experimental diabetes: a candidate (ODD) couple for drug repurposing*. **European Section meeting of IACS**, 28-30 septembrie 2017, Pecs, Hungary; Programme book pag.73.
- Ratiu, C., Pfab, J., Petrus, A., **Privistirescu, A.**, Duicu, O., Muntean, D., Sturza, A. *Monoamine oxidase inhibition improves vascular function and reduces oxidative stress in rats with lipopolysaccharide-induced inflammation*. The Conference of the Romanian Society of Pathophysiology, 7-9 septembrie 2017, Cluj-Napoca, Romania; **Clujul Medical** 90(5): S20. p-ISSN 1222-2119, e-ISSN 2066-8872.
- Duicu, O., Petrus, A., Fendt, M., **Privistirescu, A.**, Sturza, A., Muntean, D., Lighezan, R. *Mitochondrial respiration on platelets is compromised in patients with metabolic syndrome*. The Conference of the Romanian Society of Pathophysiology, 7-9 septembrie 2017, Cluj-Napoca, Romania; **Clujul Medical** 90(5):S23. p-ISSN 1222-2119, e-ISSN 2066-8872.
- **Privistirescu, A.**, Ionica, L., Duicu, O., Sturza, A., Muntean, D. *Methylene blue improves vascular function in experimental diabetes*. The Conference of the Romanian Society of Pathophysiology, 7-9 septembrie 2017, Cluj-Napoca, Romania; **Clujul Medical** 90(5):S87. p-ISSN 1222-2119, e-ISSN 2066-8872.
- Duicu, O.M., Sturza, A., Wolf, A., **Privistirescu, A.**, Danila, M., Muntean, D. *Methylene blue modulates mitochondrial function and monoamine oxidases-related ROS production in diabetic rat heart*. **Cardiovascular Research** 2016, 111(1): S110. FI: 5,465
- Scurtu, I., Duicu, O.M., Sturza, A., Pavel, I.Z., Petrus, A., **Privistirescu, A.**, Deheleanu, C., Muntean, D.M. *Characterization of the effects of two cholesterol-lowering drugs on mitochondrial function in H9c2 myoblasts*. **European journal of clinical investigation** 2015; 45(2): 31. IF: 2,734
- Duicu, O.M., Scurtu, I., Sturza, A., **Privistirescu, A.**, Danila, M.D., Noveanu, L., Muntean, D.M. *Characterization of the bioenergetic effects of methylene blue in H9c2 myoblasts*. **European journal of clinical investigation** 2015; 45(2): 27. IF: 2,734
- Sturza, A., Duicu, O.M., Vaduva, A., **Privistirescu, A.**, Noveanu, L., Muntean, D.M. *Increased vascular oxidative stress in experimental diabetes is sustained by a positive feedback loop involving hydrogen peroxide and monoamine oxidases*. **2ND European Section Meeting of the international academy of cardiovascular sciences** 2015; p.143. ISBN 978-86-904799-8-6
- Danila, M.D., **Privistirescu, A.**, Duicu, O.M., Sturza, A., Noveanu, L., Muntean, D.M. *Assesment of respiratory fuinction in mitochondria isolated from rat kidney cortex*. **Prospects for the 3rd millennium agriculture** 2015; 2: 609. ISSN 2392-6937
- Duicu, O.M., Sturza, A., **Anechitei, A.**, Danila, M.D., Noveanu, L., Muntean, D.M. *Methylene blue modulates mitochondrial function in diabetic rat heart*. **Advances in Cardiovascular Research Symposium – from the bench to the patient’s bed** 2015; Smolenice Castle, Bratislava, Slovakia, 2-5 sept 2015, Program and Abstract Book, p.67. ISBN 978-80-224-1452-4
- Sturza, A., Duicu, O.M., Vaduva, A., Noveanu, L., **Privistirescu, A.**, Danila, M.D., Munteanu, M., Timar, R., Muntean, D.M. *Calcitriol modulates vascular expression of receptor for advanced glycation end products and monoamine oxidase in experimental diabetes*. **Advances in Cardiovascular Research Symposium – from the bench to the patient’s bed** 2015; Smolenice Castle, Bratislava, Slovakia, 2-5 sept 2015, Program and Abstract Book, p.89. ISBN 978-80-224-1452-4
- Coricovac, D., Duicu, O.M., **Anechitei, A.**, Danila, M., Pinzaru, I., Dehelean, C., Muntean, D.M. *Assessment of age-related changes in respiratory function of liver and heart isolated rat mitochondria*. **European journal of clinical investigation** 2015, 45(2): 30. IF: 2,734
- Noveanu, L., **Privistirescu, A.**, Danila, M.D., Petrus, A., Petcu, M., Muntean, D.M., Baczko, I., Jost, N. *The effects of ATP-dependent potassium channels modulators on reperfusion arrhythmias*. **Clasic si modern in Fiziopatologie** 2015; p.200. ISBN 978-606-544-311-2

- Scurtu, I., Duicu, O.M., Popescu, R., Pavel, I.Z., Wolf, A., Petrus, A., **Privistirescu, A.**, Sturza, A., Muntean, D.M. *Bioenergetic and metabolic effects of cholesterol lowering drugs on H9C2 myoblasts. Clasic si modern in Fiziopatologie* 2015; p.198. ISBN 978-606-544-311-2
- Duicu, O.M., Sturza, A., **Privistirescu, A.**, Danila, M.D., Noveanu, L., Muntean, D.M. *Assessment of the methylene blue effects in diabetic rat hearts-old drug, new tricks. Clasic si modern in Fiziopatologie* 2015; p.128. ISBN 978-606-544-311-2
- Danila, M.D., **Privistirescu, A.**, Mirica, S.N., Duicu, O.M., Sturza, A., Ordodi, V., Noveanu, L., Muntean, D.M. *Ischemic preconditioning-induced cardioprotection and MAO inhibition in isolated rat heart. Clasic si modern in Fiziopatologie* 2015; p.117. ISBN 978-606-544-311-2
- **Privistirescu, A.**, duicu, O.M., Sturza, A., Noveanu, L., Ionac, A., Gaspar, C., Muntean, D.M., Borza, C. *Assessment of oxidative in coronary patients with and without diabetes mellitus. Clasic si modern in Fiziopatologie* 2015; p.117. ISBN 978-606-544-311-2
- Vaduva, A., Sturza, A., Duicu, O.M., **Privistirescu, A.**, Muntean, D.M., Dema, A. *Custom designed image analysis protocol for fluorescence quantification of dihydroethidium labeled frozen sections. First Euroregional conference for PhD students and young researchers in biomedicine* 2015; Abstract book, p.9. ISBN 978-606-8456-23-2
- Duicu, O., Scurtu, I., Sturza, A., **Privistirescu, A.**, Gheorgheosu, D., Noveanu, L., Muntean, D.M. *The bioenergetic profile of H9c2 myoblasts treated with methylene blue. Fiziologia* 2015. (S), ISSN 1223-2076
- Danila, M.D., **Privistirescu, A.**, Mirica, S.N., Duicu, O.M., Sturza, A., Ordodi, V., Noveanu, L., Muntean, D.M. *Acute inhibition of monoamine oxidase does not interfere with cardioprotection elicited by ischemic preconditioning. Fiziologia* 2015; (S). ISSN 1223-2076
- Muntean, D.M., Petrus, A., Duicu, O., **Privistirescu, A.**, Danila, M., Sturza, A., Noveanu, L., Baczko, I., Jost, N. *Characterization of the effects of novel ATP-sensitive potassium channel openers in isolated rat heart mitochondria. European Journal of Heart Failure* 2015; 17 (1): 438. FI: 6,577
- Muntean, D., Duicu, O.M., **Privistirescu, A.**, Danila, M.D., Sturza, A., Noveanu, L., Baczko, I., Jost, N. *Cardioprotection by pharmacological agents targeting mitochondria is preserved in isolated aged rat hearts. Cardiovasc Res* 2014; 103(1): 151. IF:5,808
- Duicu, O.M., Gorbe, A., **Privistirescu, A.**, Mirica, N.S., Csont, T., Ferdinandy, P., Muntean, D.M. *Magnesium orotate in high concentration elicits cardioprotection via modulation of mitochondrial functions. Cardiovasc Res* 2014; 103(1): S29. IF: 5,808
- Danila, M., **Privistirescu, A.**, Mirica, N., Duicu, O., Sturza, A., Noveanu, L., Muntean, D. *Acute inhibition of monoamine oxidases is protective against ischemia/reperfusion injury in preconditioned hearts. European Section Meeting of the International Academy of Cardiovascular Sciences (IACS)* 2014, Balatonyörök, Hungary, 08.10.2014-11.10.2014, Programme and abstract book, p. 62. **Lucrare distinsă cu Premiul II la Secțiunea Poster**
- Duicu, O., **Privistirescu, A.**, Noveanu, L., Angoulvant, D., Baczko, I., Jost, N., Muntean, D. *Mitochondrial-dependent cardioprotection during postischemic reperfusion is preserved in isolated aged rodent hearts. Archives of Cardiovascular Diseases Supplements* 2014; 6:30. IF:1,662
- Pavel, I., Duicu, O., Coricovac, D., **Privistirescu, A.**, Dehelean, C., Csuk, R., Muntean, D. *Characterization of the maslinic acid effects on mouse liver mitochondria. Molecular, cellular and integrative basis of health and disease: transdisciplinary approach* 2014; Abstract book, p.154.
- Petrus, A., Duicu, O., **Privistirescu, A.**, Sturza, A., Noveanu, L., Baczo, I., Jost, N., Muntean, D. *A novel mitochondrial ATP-sensitive potassium channel opener modulates respiration in isolated rat heart mitochondria. Molecular, cellular and integrative basis of health and disease: transdisciplinary approach* 2014; Abstract book, p.161.
- Duicu, O., **Privistirescu, A.**, Mirica, S., Muntean, D. *Pharmacological cardioprotection at reperfusion is preserved in the aged rodent heart. Advances in Cardiovascular Research* 2013; Congress Centre of the Slovak Academy of Science, Bratislava, Slovakia, Abstract book, p.59. IF:5,6
- **Privistirescu, A.**, Mirica, N., Duicu, O., Sturza, A., Noveanu, L., Muntean, D. *Monoamine oxidase inhibition does not interfere with cardioprotection elicited by ischemic preconditioning in isolated rat hearts. Romanian Journal of Cardiology* 2013; The 52nd National Congress of Cardiology, 3-5 octombrie 2013; 3(B): B147-148. ISSN 1583-2996
- Muntean, D., Duicu, M. O., Gorbe, A., **Privistirescu, A.**, Mirica, N., Csont, T., Ferdinandy, P., Jost, N. *In vitro characterization of orotic acid and magnesium orotate cardioprotective effects. Bulletin of Romanian society for cell biology* 2013; p: 24. ISSN 1583-6258
- Duicu, M. O., Gheorgheosu, D., **Privistirescu, A.**, Muntean, D. *Characterization of ageing-*

associated mitochondrial dysfunction in rodent hearts. Bulletin of Romanian Society for Cell Biology 2013; p: 25. ISSN 1583-6258

- Mirica, S.N., Gheorghiu, G., Duicu, O.M., **Anechitei, A.**, Fira-Mladinescu, O., Angoulvant, D., Muntean, D. *Magnesium orotate induces cardioprotection against regional and global ischemia in rat hearts regardless the timing of administration. European Journal of Heart Failure* 2012; Belgrade Serbia, Mai 19-22, 11(1): S58. FI: 5
- Mirica, S.N., Duicu, O. M., **Privistirescu, A.I.**, Danila, M.D., Fira-Mladinescu, O., Muntean, D. *Pharmacological and ischemic postconditioning: a comparative study in isolated rat hearts. Conference and Advanced Translational Research Workshop "Chronic Diseases – From Pathogenesis to Therapy* 2012; Abstract book, pag. 36. ISBN 978-606-8054-93-3
- Duicu, O.M., Trancotă, S., Mirica, S.N., **Privistirescu, A.**, Gheorgheosu, D., Fira-Mladinescu, O., Muntean, D. *Magnesium orotate protects mitochondria against calcium overload: a study in senescent vs. adult rats. Conference and Advanced Translational Research Workshop "Chronic Diseases – From Pathogenesis to Therapy* 2012; Abstract book, pag. 54. ISBN 978-606-8054-93-3
- Trancotă, S., Mirică, N., Duicu, O., Gheorgheosu, D., **Anechitei, A.**, Fira-Mladinescu, O., Muntean, D. *Magnesium orotate alleviates mitochondrial dysfunction induced by acute ischemia/reperfusion injury in rat hearts. Conferința Internațională și Workshop-ul Exploratoriu "Sudden Cardiac Death & Cardioprotection* 2012; Abstract book, pag. 82-83. ISBN 978-606-8054-80-3.
- Mirică, S. N., Gheorghiu, G., Ordodi, V., Duicu, O., **Privistirescu, A.**, Fira-Mladinescu, O., Muntean, D. *The effect of monoamine oxidase inhibition in the in vivo model of ischemia/reperfusion injury in rat heart. Conferința Internațională și Workshop-ul Exploratoriu "Sudden Cardiac Death & Cardioprotection* 2012; Abstract book, pag. 85. ISBN 978-606-8054-80-3
- Trancota, S.L., Mirica, S.N., Duicu, O.M., **Anechitei, A.**, Karampitsakos, T., Fira-Mladinescu, O., Muntean, D.M. *Acute administration of magnesium orotate at reperfusion improves mitochondrial respiration in isolated rat hearts. Heart* 2011; 97(24): 8. FI:4,706
- Gheorgheosu, D., Duicu, O, Trancotă, S., Mirică, N., **Anechitei, A.**, Fira-Mladinescu, O., Muntean, D. *Age-Related Changes in Respiratory Function of Liver and Heart Rat Mitochondria. Acta Physiologica* 2011; Turkish – FEPS Physiology Congress, 3-7 September, Istanbul, Turkey, 203(686: PC210). FI: 3,09
- Mirica, S. N., Gheorgheosu, E. D., Duicu, O. M., **Anechitei, A.**, Danila, M., Fira-Mladinescu, O., Angoulvant, D., Muntean, D.M. *The importance of timing for magnesium orotate-induced cardioprotection during post-ischaemic reperfusion in isolated rat hearts. Acta Physiologica* 2011; Turkish – FEPS Physiology Congress, 3-7 September, Istanbul, Turkey, 203(686): PC211. FI:3,09
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