

LISTA LUCRĂRILOR PUBLICATE

Conferentiar Universitar Dr. ABUREL (Duicu) Oana Maria

1) TEZA DE DOCTORAT „SUMMA CUM LAUDAE”: “ASSESSMENT OF MITOCHONDRIAL DYSFUNCTION IN AGEING HEART”, Conducatori de doctorat: Prof Dr Danina MUNTEAN (Universitatea de Medicina si Farmacie „Victor Babes” Timisoara) si Prof Dr Peter FERDINANDY (Universitatea de Medicina Szeged, Ungaria). Nr. 3930 MD, 20.06.2013.

2) CARTI SI CAPITOLE DIN CARTI DE SPECIALITATE

1. Muntean D, Borza C, Noveanu L, **Aburel O**, Sturza A, Danila M, Fiziopatologie 1 – *Note de curs pentru studentii la medicina*, Editura „Victor Babeș”, Timisoara, 2022, 198 pag., ISBN general: 978-606-786-297-3, ISBN Vol. I: 978-606-786-298-0
2. Borza C, Muntean D, Noveanu L, **Aburel O**, Sturza A, Danila M, Fiziopatologie 2 – *Note de curs pentru studentii la medicina*, Editura „Victor Babeș”, Timisoara, 2022, 186 pag, ISBN general: 978-606-786-297-3, ISBN Vol. II: 978-606-786-299-7
3. **Aburel O**, Borza C, Muntean D, Sturza A, Danila M, Lelcu-Stanciu T, Bina A, Ionica M, Pathophysiology 1 – *Lab notes for medical students*, Editura „Victor Babeș”, Timisoara, 2022, 156 pag., ISBN general: 978-606-786-294-2, ISBN Vol. I: 978-606-786-295-9
4. Danila M, Borza C, Muntean D, **Aburel O**, Sturza A, Lelcu-Stanciu T, Bina A, Hancu I, Pathophysiology 2 – *Lab notes for medical students*, Editura „Victor Babeș”, Timisoara, 2022, 130 pag, ISBN general: 978-606-786-294-2, ISBN Vol. II: 978-606-786-296-6
5. Noveanu, L., Muntean, D., **Duicu, O.M.**, Sturza, A., *Fiziopatologie aplicata. Indreptar de lucrări practice: Balneo-fiziokinetoterapie si recuperare (ed a II-a)* Ed. „Victor Babes” Timisoara, 2017, 166 pag., ISBN 978-606-786-032-0
6. Muntean, D., Noveanu, L., **Duicu, O.**, Sturza, A., *Fiziopatologia sistemelor respirator și cardiovascular – Curs pentru studenții Facultății de Medicină (ed a II-a)*, Ed. „Victor Babes” Timisoara, 2016, 183 pag, ISBN 978-606-786-025-2
7. Muntean D., Noveanu L., **Duicu O.**, Sturza A., Dănilă M., *Îndreptar practic de fiziopatologie clinică*, Ed. „Victor Babes” Timisoara, 2016, 280 pag, ISBN 978-606-786-019-1
8. Muntean, D., Noveanu, L., **Duicu, O.**, Sturza, A., *Fiziopatologia sistemelor respirator și cardiovascular – Curs pentru studenții Facultății de Medicină*, Ed. „Victor Babes”, Timisoara, 2015, 195 pag., ISBN 978-606-8456-48-5
9. Muntean, D., Borza, C., **Duicu, O.**, Sturza, A., *Pathophysiology of respiratory and cardiovascular systems. A manual for medical students*, Ed. "Victor Babes" Timisoara,

2015, 205 pag., ISBN 978-606-8456-53-9

10. Muntean, D., **Duicu, O.**, Sturza, A., Danila M., *Applied Pathophysiology for Dental Students*, Ed. „Victor Babes”, Timisoara, 2015, 189 pag., ISBN 978-606-8456-51-5
11. Borza, C., Muntean, D., Noveanu, L., **Duicu, O.**, Sturza, A., *Fiziopatologie - Manual de curs pentru asistentele medicale*, Ed. „Victor Babes” Timisoara, 2015, 260 pag., 978-606-8456-53-9
12. Sturza, A., Borza, C., Muntean, D., **Duicu, O.**, Noveanu, L., *Fiziopatologie aplicată pentru asistentele medicale*, Ed. „Victor Babes” Timisoara, 2015, 183 pag., ISBN 978-606-8456-52-2
13. Danina Muntean, Corina Serban, **Oana Duicu**, Maria Danila. *Physiopathologie de l'appareil respiratoire et cardiovasculaire Cours pour les étudiants en médecine*. Ed. **„Victor Babes” Timisoara**, 2015. 978-606-8456-53-9
14. Jost, N., Muntean, D., Acsai, K., Baczko, I., **Duicu, O.**, Noveanu, L., Sturza, A., Toth, A., *Principles and Experiments Guide in Electrophysiology and Molecular Biology*, Ed. „Victor Babes”, Timisoara, 2014, 184 pag., ISBN 978-606-8456-33-1 (RO), ISBN 978-963-306-302-6 (HU)
15. Noveanu, L., Muntean, D., **Duicu, O.M.**, Sturza, A., *Fiziopatologie aplicata. Indreptar de lucrări practice: Balneo-fiziokinetoterapie si recuperare*, Ed. „Victor Babes” Timisoara, 2013, 176 pag, ISBN 978-606-8456-18-8
16. Germaine Savoiu-Balint, Carmen Cristescu, **Oana Duicu**. *Anatomie, Physiologie et Physiopathologie. Applications*. Ed. Publishing House Eurobit Timisoara, 2010. 978-973-620-629-0.
17. Alexandru Cristescu, Muntean Mirela Danina, Mozos Ioana, Fira-Mladinescu Ovidiu, Savoiu Germaine, Barglazan Dragos Mircea, **Duicu Oana Maria**, Mirica Silvia Nicoleta, Gorun Corina Maria, Costea Camelia Alexandra, Raducan Andreea Monica. **FIZOPATOLOGIE. Lucrari Practice**. Editura Fleming, 2005. 170 pag. ISBN 973-98153-8-3.

3) Publicații in reviste ISI

AUTOR PRINCIPAL

Nr.	AUTORI	TITLU ARTICOL	REVISTA An, Vol., Nr. Pag. ISSN	ISI FI
1.	Aburel OM; Braescu L; Buriman DG; Merce AP, Bina AM, Borza C. Mornos C, Sturza A, Muntean DM	Methylene blue reduces monoamine oxidase expression and oxidative stress in human cardiovascular adipose tissue	Molecular And Cellular Biochemistry. 2025. 480(4): 2413-2421. ISSN: 0300-8177 (Print) 1573-4919 (Electronic)	3.5
2.	Braescu L., Gaspar M., Buriman D., Aburel O.M. (A.C.),	The Role and Implications of Epicardial Fat in Coronary Atherosclerotic Disease	J. Clin. Med. 2022, 11(16), 4718	3.9

	Merce A.P., Bratosin F., Aleksandrovich K.S., Almarbam S., Mornos C.		ISSN: 2077-0383	
3.	Aburel OM , Pavel IZ, Danila MD, Lelcu T, Roi A, Lighezan R, Muntean DM, Rusu LC	Pleiotropic Effects of Eugenol: The Good, the Bad, and the Unknown	Oxid Med Cell Longev Vol 2021, Article ID 3165159 ISSN: 1942-0900 (Print) 1942-0994 (Electronic)	7.310
4.	Pârvulescu L, Stoia DI, Miok K, Ion MC, Puha AE, Sterie M, Vereş M, Marcu I, Muntean MD, Aburel OM	Force and boldness: Cumulative assets of a successful crayfish invader	Front Ecology Evol. 2021.Manuscript ID: 581247. Electronic ISSN: 2296-701X	4.496
5.	Muntean MD, Adrian S, Pavel ZI, Duicu O.	Modulation of Cancer Metabolism by Phytochemicals - A Brief Overview	Anticancer Agents Med Chem. 2018. 18(5):684-692. ISSN (Print): 1871-5206 ISSN (Online): 1875-5992	2.180
6.	Duicu O. M. , Pavel I. Z., Borcan F., Muntean D. M., Cheveresan A., Bratu E. A., Rusu L. C., Karancsi O. L.	Characterization of the Eugenol Effects on the Bioenergetic Profile of SCC-4 Human Squamous Cell Carcinoma Cell Line	Rev chim (Bucharest). 2018. 69 (9): 2567-2570 ISSN: 0034-7752	1.605
7.	Sturza A, Pavel I, Ancușă S, Danciu C, Dehelean C, Duicu O (A.C.) , Muntean D.	Quercetin exerts an inhibitory effect on cellular bioenergetics of the B16A5 murine melanoma cell line	Molecular and Cellular Biochemistry , 2018. 447(1-2):103-109. PMID: 29380243. ISSN: 0300-8177 (Print) 1573-4919 (Electronic)	2.884
8.	Duicu OM , Privistirescu A, Wolf A, Petruș A, Dănilă MD, Rațiu CD, Muntean DM, Sturza A.	Methylene blue improves mitochondrial respiration and decreases oxidative stress in a substrate-dependent manner in diabetic rat hearts	Canadian Journal of Physiology and Pharmacology , 2017 Nov;95(11):1376-1382. doi: 10.1139/cjpp-2017-0074. Epub 2017 Jul 24. PMID: 28738167. ISSN: 0008-4212 (Print) 1205-7541 (Electronic)	2.210
9.	Petrus A., Ratiu C., Noveanu L, Lighezan R., Rosca M, Muntean D, Duicu O	Assessment of Mitochondrial Respiration in Human Platelets.	Rev Chim. (Bucharest). 2017; 68(4): 768-771 ISSN: 0034-7752	1.412
10.	Muntean DM , Sturza A, Dănilă MD, Borza C, Duicu OM (A.C.) , Mornoș C.	The Role of Mitochondrial Reactive Oxygen Species in Cardiovascular Injury and Protective Strategies.	Oxidative Medicine and Cellular Longevity , 2016;2016:8254942. doi: 10.1155/2016/8254942. Epub 2016 Apr 21. PMID: 27200148 ISSN:	4.593

			1942-0900 (Print) 1942-0994 (Electronic)	
11.	Duicu OM , Lighezan R, Sturza A, Balica R, Vaduva A, Feier H, Gaspar M, Ionac A, Noveanu L, Borza C, Muntean DM, Mornos C.	Assessment of Mitochondrial Dysfunction and Monoamine Oxidase Contribution to Oxidative Stress in Human Diabetic Hearts	Oxidative Medicine and Cellular Longevity , 2016;2016:8470394. doi: 10.1155/2016/8470394. Epub 2016 Apr 13. PMID: 27190576 ISSN: 1942-0900 (Print) 1942-0994 (Electronic)	4.593
12.	Duicu OM , Scurtu I, Popescu R, Sturza A, Coricovac D, Dănilă MD, Privistirescu A, Muntean DM.	Assessment of the effects of methylene blue on cellular bioenergetics in H9c2 cells.	Rev Chim (Bucharest) , 2015: 66 (4): 519-522 ISSN: 0034-7752	0.956
13.	Petruș A, Duicu OM (CONTRIBUTII EGALE) , Sturza A, Noveanu L, Kiss L, Dănilă M, Baczkó I, Muntean DM, Jost N.	Modulation of mitochondrial respiratory function and ROS production by novel benzopyran analogues	Canadian Journal of Physiology and Pharmacology , 2015 Sep;93(9):811-8. doi: 10.1139/cjpp-2015-0041. Epub 2015 Jun 30. PMID: 26325241 ISSN: 0008-4212 (Print) 1205-7541 (Electronic)	1.704
14.	Duicu OM , Lighezan R, Sturza A, Ceausu RA, Borza C, Vaduva A, Noveanu L, Gaspar M, Ionac A, Feier H, Muntean DM, Mornos C.	Monoamine Oxidases as Potential Contributors to Oxidative Stress in Diabetes: Time for a Study in Patients Undergoing Heart Surgery.	BioMed Research International , 2015;2015:515437. doi: 10.1155/2015/515437. Epub 2015 May 25. PMID: 26101773 ISSN: 2314-6141 (Electronic) 2314-6133 (Print)	2.134
15.	Danila M.D., Privistirescu A.I., Mirica S.N., Sturza A., Ordodi V., Noveanu L., Duicu O.M. (A.C.) , Muntean D.M.	Acute inhibition of monoamine oxidase and ischemic preconditioning in isolated rat hearts: interference with potischemic functional recovery but no effect on infarct size reduction.	Canadian Journal of Physiology and Pharmacology , 2015 Sep;93(9):819-25. doi: 10.1139/cjpp-2015-0103. Epub 2015 Jun 30. PMID: 26322912 ISSN: 0008-4212 (Print) 1205-7541 (Electronic)	1.704
16.	O. Duicu , S. Ciurlea, C. Dehelean, S. Ardelea, F. Andrica, D. Muntean, C. Soica, D. Antal, D. Coricovac, I. Pinzaru	Analysis of a betulinic acid formulation on liver mitochondria. isolated from mice with induced murine melanoma	Rev chim (Bucharest) . 2014: 65 (8): 956-959 ISSN: 0034-7752	0.81
17.	Duicu, O. , Jușcă, C., Falniță, L., Mirică, S., Maximov, D., Firă-Mladinescu, O., Muntean, D	Substrate Specific Impairment of Mitochondrial Respiration in Permeabilized Fibers from Patients with Coronary Heart Disease vs. Valvular Disease	Mol Cell Biochem. 2013. 379(1-2):229-34 ISSN: 0300-8177 (Print) 1573-4919 (Electronic)	2.388
18.	Duicu, O. M. , Mirica,	Ageing-induced decrease in	Can J Physiol	1.546

	S. N., Gheorgheosu, Privistirescu A. I., D. E., Fira-Mladinescu, O., Muntean, D. M	cardiac mitochondrial function in healthy rats.	Pharmacol. 2013. 91(8):593-600 ISSN: 0008-4212 (Print) 1205-7541 (Electronic)	
19.	Duicu, O., Angoulvant, D., Muntean, D.M.	Cardioprotection against myocardial reperfusion injury: successes, failures, and perspectives.	Can J Physiol Pharmacol, 2013. 91(8):657-62 ISSN: 0008-4212 (Print) 1205-7541 (Electronic)	1.546
20.	Mirica, S. N., Duicu, O. M. (CONTRIBUTII EGALE) , Trancota, S. L., Fira-Mladinescu, O., Angoulvant, D., Muntean, D. M.	Magnesium orotate elicits acute cardioprotection at reperfusion in isolated and in vivo rat hearts.	Can J Physiol Pharmacol, 2013. 91(2): 108-115 ISSN: 0008-4212 (Print) 1205-7541 (Electronic)	1.546
21.	Pavel IZ, Duicu OM (CONTRIBUTII EGALE) , Danciu C, Dehelean C, Bojin FM, Paunescu V, Muntean DM, Sturza A, Noveanu L.	Immune and Bioenergetic Profiling of a Human Dermal Fibroblast Cell Line.	Rev.Chim.(Bucharest); 2015, 66. No. 11, 1755-1758 ISSN: 0034-7752	0.956

COAUTOR

Nr.	AUTORI	TITLU ARTICOL	REVISTA An, Vol., Nr. Pag. ISSN	ISI FI
1.	Steflea, RM; Stoicescu, ER; Aburel, O; Horhat, FG; Vlad, SV; Bratosin, F; Banta, AM ; Doros, G.	Evaluating Neutrophil Gelatinase-Associated Lipocalin in Pediatric CKD: Correlations with Renal Function and Mineral Metabolism	Pediatric Reports. 2024. 16(4): 1099-1114. ISSN: 2036-7503	1.4
2.	Braescu, L; Sturza, A; Aburel, OM; Sosdean, R; Muntean, D; Luca, CT; Brie, DM ; Feier, H; Crisan, S; Mornos, C.	Assessing the Relationship between Indexed Epicardial Adipose Tissue Thickness, Oxidative Stress in Adipocytes, and Coronary Artery Disease Complexity in Open-Heart Surgery Patients.	Medicina-Lithuania. 2024. 60(1). ISSN: 1648-9144	2.4
3.	Bîna AM, Aburel OM, Avram VF, Lelcu T, Lința AV, Chiriac DV, Mocanu AG, Bernad E, Borza C, Craina ML, Popa ZL, Muntean DM, Crețu OM.	Impairment of mitochondrial respiration in platelets and placentas: a pilot study in preeclamptic pregnancies.	Mol Cell Biochem. 2022. 477: 1987-2000 ISSN: 0300-8177 (Print) 1573-4919 (Electronic)	4.3
4.	Lelcu T, Bîna A.M., Dănilă M.D., Popoiu C.M., Aburel O.M., Arghirescu S.T., Borza C., Muntean D.M,	Assessment of Platelet Mitochondrial Respiration in a Pediatric Population: A Pilot Study in Children With Acute Lymphoblastic Leukemia	Children 2021. 8(12):1196 ISSN: 2227-9067	2.835
5.	Coricovac D.,	Assessment of Betulinic Acid	Int. J. Mol.	6.208

	Dehelean C.A., Pinzaru I., Mioc A., Aburel O.M. , Macasoi I., Draghici G.A., Petean C., Soica C., Boruga M., Vlaicu B., Muntean D.M	Cytotoxicity and Mitochondrial Metabolism Impairment in a Human Melanoma Cell Line	Sci. 2021, 22(9), 4870. ISSN: 1422-0067	
6.	Avram VF, Bina AM, Sima A, Aburel OM , Sturza A, Burlacu O, Timar RZ, Muntean DM, Elmer E, Crețu OM.	Improvement of Platelet Respiration by Cell-Permeable Succinate in Diabetic Patients Treated with Statins	Life (Basel) , 2021;11(4):288. PMID: 33800630; PMCID: PMC8065590. ISSN: 2075-1729 (Electronic)	3.253
7.	Piollet M, Sturza A, Chadet S, Gabillard-Lefort C, Benoist L, Muntean DM, Aburel OM , Angoulvant D, Ivanec F.	P2Y11 Agonism Prevents Hypoxia/Reoxygenation- and Angiotensin II-Induced Vascular Dysfunction and Intimal Hyperplasia Development	International Journal Of Molecular Sciences , 2021;22(2):855. PMID: 33467058; PMCID: PMC7829863 ISSN: 1422-0067 (Electronic)	6.208
8.	Ionica M, Aburel OM , Vaduva A, Petrus A, Rațiu S, Olariu S, Sturza A, Muntean DM.	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. PMID: 31545914. ISSN: 0008-4212 (Print) 1205-7541 (Electronic)	2.273
9.	Danila MD, Piollet M, Aburel OM , Angoulvant D, Lefort C, Chadet S, Roger S, Muntean DM, Ivanec F.	Modulation of P2Y11-related purinergic signaling in inflammation and cardio-metabolic diseases	Eur J Pharmacol 2020;876:173060. PMID: 32142768.	3.263
10.	Sturza A, Olariu S, Ionică M, Duicu OM , Văduva AO, Boia E, Muntean DM, Popoiu CM.	Monoamine oxidase is a source of oxidative stress in obese patients with chronic inflammation	Canadian Journal of Physiology and Pharmacology , 2019. (9):844-849. PMID: 31051081 ISSN: 0008-4212 (Print) 1205-7541 (Electronic)	1.946
11.	Sturza A, Popoiu CM, Ionică M, Duicu OM , Olariu S, Muntean DM, Boia ES.	Monoamine Oxidase-Related Vascular Oxidative Stress in Diseases Associated with Inflammatory Burden	Oxidative Medicine and Cellular Longevity . 2019;2019:8954201. eCollection 2019. PMID: 31178977 ISSN: 1942-0900 (Print) 1942-0994 (Electronic)	5.076
12.	Sturza A, Văduva A, Uțu D, Rațiu C, Pop N, Duicu O , Popoiu C, Boia E, Matusz P, Muntean DM, Olariu S.	Vitamin D improves vascular function and decreases monoamine oxidase A expression in experimental diabetes.	Molecular and Cellular Biochemistry , 2019. 453(1-2):33-40. PMID: 30167938 ISSN: 0300-8177 (Print)	2.795

			1573-4919 (Electronic)	
13.	Petrus AT, Lighezan DL, Danila MD, Duicu OM , Sturza A, Muntean DM, Ionita I.	Assessment of platelet respiration as emerging biomarker of disease.	Physiological Research , 2019;68(3):347-363. PMID: 30904011 ISSN: 0862-8408 (Print) 1802-9973 (Electronic)	1.655
14.	Ghitu A., Schwiebs A., Radeke H.H., Avram S., Zupko I., Bor A., Pavel I.Z., Dehelean C.A., Oprean C., Bojin F., Farcas C., Soica C., Duicu O. , Danciu C.	A comprehensive assessment of apigenin as an antiproliferative, proapoptotic, antiangiogenic and immunomodulatory phytocompound	Nutrients 2019, 11(4), 858; ISSN: 2072-6643	4.546
15.	Privistirescu AI, Sima A, Duicu OM , Timar R, Roșca MG, Sturza A, Muntean DM.	Methylene blue alleviates endothelial dysfunction and reduces oxidative stress in aortas from diabetic rats.	Canadian Journal of Physiology and Pharmacology , 2018;96(10):1012-1016. PMID: 29894646. ISSN: 0008-4212 (Print) 1205-7541 (Electronic)	2.041
16.	Rățiu C, Uțu D, Petruș A, Norbert P, Olariu S, Duicu O , Sturza A, Muntean DM.	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. PMID: 30061472. ISSN: 0231-5882 (Print) 1338-4325 (Electronic)	1.309
17.	Uțu D, Pantea S, Duicu OM , Muntean DM, Sturza A.	Contribution of monoamine oxidases to vascular oxidative stress in patients with end-stage renal disease requiring hemodialysis	Canadian Journal of Physiology and Pharmacology , 2017;95(11):1383-1388. PMID: 28753408 ISSN: 0008-4212 (Print) 1205-7541 (Electronic)	2.210
18.	Dănilă MD, Privistirescu A, Duicu OM , Rățiu CD, Angoulvant D, Muntean DM, Sturza A.	The effect of purinergic signaling via the P2Y11 receptor on vascular function in a rat model of acute inflammation	Molecular and Cellular Biochemistry , 2017;431(1-2):37-44. PMID: 28213772 ISSN: 0300-8177 (Print) 1573-4919 (Electronic)	2.561
19.	Lighezan R, Sturza A, Duicu OM , Ceausu RA, Vaduva A, Gaspar M, Feier H, Vaida M, Ivan V, Lighezan D, Muntean DM, Mornos C.	Monoamine oxidase inhibition improves vascular function in mammary arteries from nondiabetic and diabetic patients with coronary heart disease	Canadian Journal of Physiology and Pharmacology , 2016;94(10):1040-1047. PMID: 27322151 ISSN: 0008-4212 (Print) 1205-7541 (Electronic)	1.822
20.	Petrus A., Sturza A., Utu D., Duicu O. , Bedreag O., Kiss L.,	Modulation of Vascular Reactivity by Novel Synthetic Benzopyran Analogues in Rat	Rev.Chim.(Bucharest) ; 2016. 67(5): 908-910	1.232

	Baczkó I., Muntean D., Jost N.	Aortas	ISSN: 0034-7752	
21.	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 ISSN: 2065-0019 (On-Line Edition) and 0014-8237 (Printed Edition)	1.162
22.	Sturza A, Duicu OM , Vaduva A, Dănilă MD, Noveanu L, Varró A, Muntean DM.	Monoamine oxidases are novel sources of cardiovascular oxidative stress in experimental diabetes	Canadian Journal of Physiology and Pharmacology , 2015;93(7):555-61. PMID: 25996256 ISSN: 0008-4212 (Print) 1205-7541 (Electronic)	1.704
23.	Gheorgheosu D., Duicu O. , Dehelean C., Stoica C., Muntean D	Betulinic Acid as a Potent and Complex Antitumor Phytochemical: A Minireview.	Anticancer Agents Med Chem , 2014. 14(7):936-945 ISSN (Print): 1871-5206 ISSN (Online): 1875-5992	2.469
24.	Kerti V, Coricovac D, Duicu O , Danila M, Dehelean C, Fagadar-Cosma E, Muntean D, Noveanu L.	Modulation of Respiratory Function by 5,10,15,20-Tetrakis(N-methyl-4-pyridyl)Porphyrin-Zn(II) Tetrachloride in Isolated Rat Liver Mitochondria.	Rev. Chim. (Bucharest) ; 2014. 65(4): 447-449 ISSN: 0034-7752	0.81
25.	Mellidis K, Ordodi V, Galatou E, Săndesc D, Bubenek S, Duicu O , Muntean D, Lazou A.	Activation of prosurvival signaling pathways during the memory phase of volatile anesthetic preconditioning in human myocardium: a pilot stud.	Mol Cell Biochem . 2014. 388(1-2):195-201 ISSN: 0300-8177 (Print) 1573-4919 (Electronic)	2.393

4) ARTICOLE/STUDII IN EXTENSO, PUBLICATE ÎN REVISTE DIN FLUXUL ȘTIINȚIFIC INTERNAȚIONAL PRINCIPAL

1. Muntean, D. M., Firă-Mladinescu, O., Mirica, N. S., Duicu, O. M., Trancotă, S. L., Sturza, A. (2010). Metabolic therapy: cardioprotective effects of orotic acid and its derivatives, *Biomedical Reviews*, 21: 47-55.
<http://jml.indexcopernicus.com/karta.php?action=masterlist&id=1758>
2. Mirica, N., Luculescu, M., Hâncu, M., Ordodi, V., Răducan, A., Duicu, O., Borza, C, Fira-Mladinescu, O., Muntean, D. (2009). Dichotomic effects of diazoxide and cyclosporine a on contractile function and infarct size in Langendorff perfused rat hearts. *Proceedings of the 8th International Congress on Coronary Artery Disease - ICCAD 2009 (October 11-14, 2009, Prague, Czech Republic)*, Ed. Medimond International Proceedings, Bologna, Italy ISBN: 978-88-7587-526-8
<http://www.medimond.com/proceedings/detail.asp?id=20091011> -Proceeding indexed ISI.
3. Hentia, C., Gheorghiu, G., Ordodi, V., Mirica, N., Raducan, A., Duicu, O., Papurica, M., Bedreag, O., Sandesc, D., Muntean, D. (2009). Cardioprotection with volatile anaesthetics in rat hearts in vivo: no additive effect of Cyclosporin A administration at reperfusion. *Proceedings of the 8th International Congress on Coronary Artery Disease - ICCAD 2009 (October 11-14, 2009, Prague, Czech Republic)*, Ed. Medimond International Proceedings, Bologna, Italy ISBN: 978-88-7587-526-8

4. Gheorghiu, G., Ordodi, V. L., Hentia, C., David, A., Mirica, S. N., Raducan, A., Duicu, O., Bedreag, O., Muntean, D., Paunescu, V., Sandesc, D. (2009). Cardioprotection induced by the anesthetic postconditioning is blunted by high- dose ketamine. *Central European Journal of Occupational and Environmental Medicine*, 15(3):267-274. Indexed British Library Direct and OSHLINE <http://www.omfi.hu/cejoem/index.html>
5. Raducan, A., Mirica, N., Duicu, O., Hancu, M., Ordodi, V., Savoiu, G., Fira-Mladinescu, O., Muntean, D., Cristescu, A. (2009). Effects of polyethylene glycol on sciatic nerve conduction ability assessed in a rat crush injury model. *Central European Journal of Environmental Medicine*, 15(3):259-265. Indexed British Library Direct and OSHLINE <http://www.omfi.hu/cejoem/index.html>

5) ALTE LUCRĂRI ȘI CONTRIBUȚII ȘTIINȚIFICE SAU, DUPĂ CAZ, DIN DOMENIUL CREAȚIEI ARTISTICE

Lucrari publicate IN EXTENSO in reviste nationale

1. Duicu O.M., Sturza A., Scurtu-Mytiko I., Privistirescu A., Dănilă M., Noveanu L., Muntean D.M. (2015). Novel insights into the role of methylene blue in mitochondrial protection. *Fiziologia – Physiology*, 25.2(86):38-41
2. Duicu, O., Gheorgheosu, D., Mirica, N., Trancotă. S., Dehelean. C., Firă-Mladinescu, O., Muntean, D. (2012). High-resolution respirometry with multiple substrates titration in permeabilized myocardial fibers. *Rev Med Chir Soc Med Nat Iasi*, 116(1): 207-13. [PubMed – indexed for MEDLINE]. www.revmedchir.ro
3. Duicu, O., Enache, C., Mirica, N., Mitica, S., Dudas, Z., Lazarescu, A., Raducan, A., Fira-Mladinescu, O., Savii, C., Muntean, D. (2009). Influence of diazoxide on mitochondria isolated from rat hearts subjected to ischemia/reperfusion. *Annals of the Romanian Society for Cell Biology*, XIV(2): 151-156. www.analelesnbc.ro
4. Kerti V, Dănilă M, Coricovac D, Sturza A, Privistirescu A, Noveanu L, Duicu O, Muntean D. 2014. Characterization of Respiratory Function of Liver Mitochondria Isolated From Elderly Zucker Fatty Rats. *Bulletin UASVM Veterinary Medicine*; 71 (1): 141-146
5. Sturza, A, Mirică SN, Duicu O, Gheorgheosu D, Noveanu L, Fira-Mlădinescu O, Muntean DM. (2013) Monoamine oxidase-A inhibition reverses endothelial dysfunction in hypertensive rat aortic rings. *Rev Med Chir Soc Med Nat Iasi*. 117(1):165-171
6. Gheorgheosu, D., Kerti, V., Duicu, O., Mirica, N., Dehelean, C., Muntean, D. (2012). Standardization of the rat hepatic mitochondria isolation for the *in vitro* assessment of mitochondrial respiration. *Bulletin UASVM, Veterinary Medicine*, 69(1-2):101-106.
7. Trancota, S., Mirica, N., Duicu, O., Sturza, A., Ordodi, V., Fira-Mlădinescu, O., Muntean, D. (2010). Modulation of respiratory function of mitochondria isolated during the postischaemic reperfusion as cardioprotective strategy. *Timisoara Medical Journal*, 60(2): 25-29. www.tmj.ro
8. Mirica, S. N., Duicu, O. M., Răducan, A. M., Surza, A., Ordodi, V. L., Fira-Mladinescu, O., Muntean, D. M. (2010). Comparable Cardioprotection at Reperfusion by Magnesium Orotate and Cyclosporin A: A Study in Isolated Rat Hearts. *Bulletin UASVM, Veterinary Medicine*, 67(1): 125-132.
9. Mitică, S., Enache, C., Savii, C., Duicu, O., Dudas, Z., Henția, C., Gheorghiu, G., Gheorgheosu, D., Ordodi, V., Muntean, D. (2010). Studies in rat heart mitochondria isolated from hearts subjected to regional ischemia/reperfusion injury. *Annals of the Romanian Society for Cell Biology*, XV(2): 182-187. BDI indexed (EBSCO, Index Copernicus) www.analelesnbc.ro
10. Sturza, A., Mirica, N., Duicu, O., Mitica, S., Noveanu, L., Fira-Mladinescu, O., Muntean, D. (2010). Standardization of the *In Vitro* Model for Studying Endothelial Dysfunction: The Potential Role of eNOS inhibitor L-NAME. *Medicine and Pharmacy Journal – Orvosi és Gyógyszerészeti Szemle*, 56(4): 311-313.

11. Mirica, S. N., Ordodi, V., Apostol, A., Ana, D., Răducan, A., Duicu, O., Hâncu, M., Ivan, V., Muntean, D. (2009). Langendorff perfused heart – the 110 years old experimental model that gets better with age. *Studia Universitatis "Vasile Goldiș", Life Sciences Seria*, 19(1): 81-86. Indexed in EBSCO Academic Search Complete, Index Copernicus Journals Master List, Elsevier and ProQuest <http://www.studiauniversitatis.ro>
12. Răducan, A. M., Mirica, S. N., Duicu, O. M., Săvoiu-Balint, G., Hâncu, M., Fira-Mlădinescu, O., Muntean, D., Cristescu, A. (2009). Experimental study using sciatic static index for the functional assessment of sciatic nerve recovery after standardized crush injury. *Studia Universitatis "Vasile Goldiș", Life Sciences Seria*, 19(1): 109-114. Indexed in EBSCO Academic Search Complete, Index Copernicus Journals Master List, Elsevier and ProQuest <http://www.studiauniversitatis.ro>
13. Enache, C., Duicu, O., Savii, C., Mitica, S., Dudas, Z., Dascalu, D., Mirica, N., Lazarescu, A., Muntean, D. (2009). The effects of diazoxide on mitochondrial respiration and calcium retention capacity in isolated rat heart mitochondria. *Proceedings of The Third Edition of the Symposium with International Participation, "New trends and strategies in the chemistry of advanced materials", 5-6 nov. Timisoara, 2009*, pp: 126-129, ISSN: 2065-0760.
14. Mitică, S., Ordodi, V., Răducan, A., Duicu, O., Mirică, N., Hâncu, M., Păunescu, V., Muntean, D. (2009). Isolation of rat heart mitochondria for in vitro assessment of mitochondrial respiration. *Medicine and Pharmacy Journal Orvosi es Gyogyszereszet Szemle*, 55(1): 11-13.
15. Hentia, C., Gheorghiu, G., Ordodi, V., Mirica, N., Raducan, A., Duicu, O., David, A., Paunescu, V., Sandesc, D., Muntean, D. (2009). Sevoflurane postconditioning associated cardioprotection is limited by high – dose ketamine in rat hearts in vivo. *Medicine and Pharmacy Journal Orvosi es Gyogyszereszet Szemle*, 55(2): 212-214.
16. Gheorghiu, G., Hentia, C., Ordodi, V., Mirica, N., Raducan, A., Duicu, O., David, A., Paunescu, V., Sandesc, D., Muntean, D. (2009). Isoflurane pre- and postconditioning associated cardioprotection: interferences with prior anesthetic regimen in the rat heart in vivo. *Medicine and Pharmacy Journal Orvosi es Gyogyszereszet Szemle*, 55(4): 274-276.
17. Răducan, A., Mirica, N., Duicu O., Săvoiu, G., Ordodi, V. L., Hâncu, M., Fira-Mlădinescu, O., Muntean, D., Cristescu, A. (2008). In vivo functional evaluation of the regeneration of rat peripheral injured nerve. *Romanian Journal of Veterinary Medicine*, 18(4): 98-105.
18. Răducan, A., Hancu, M., Muntean, D., Mirica, N., Duicu, O., Savoiu, G., Fira-Mladinescu, O., Popescu, R., Cristescu, A. (2008). Rapid method to determine the functional recovery after an experimental standardized nervous injury. *Annals of the Romanian Society for Cell Biology*, 13(1): 76-81. www.analelesnbc.ro
19. Răducan, A. M., Mirica, S. N., Bărglăzan, D. M., Duicu, O. M., Hâncu, M., Mirica, M. C., Cristescu, A. (2007). Experimental study regarding the assessment of natural recovery in mechanically injured nervous fibers: correlations with the degree of injury. *Timisoara Medical Journal*, 57(3): 113-115. www.tmj.ro
20. Mirica, S. N., Raducan, A. M., Duicu, O. M., Barglazan, D. M., Hancu, M., Savoiu, G., Mirica, M. C., Muntean, D., Cristescu, A. (2008). Functional recovery of isolated injured rat sciatic nerve by applying sonicated lipid emulsions. *USAMV-CN Bulletin*, 65(2): 187-193.
21. Muntean, D., Mirica, N., Ordodi, V. L., Răducan, A., Duicu, O., Gherorghiu, G., Hentia, C., Fira-Mlădinescu, O., Sandesc, D. (2008). Mitochondria as a new therapeutic target in cardioprotection. *Romanian Journal of Veterinary Medicine*, 18(4): 59-66.
22. Mirica, N., Ordodi, V., Mitică, S., Răducan, A., Duicu, O., Fira-Mlădinescu, O., Anghel, A., Cristescu, A., Muntean, D. (2008). Mitochondrial dysfunction induced by experimental ischemia/reperfusion injury studies in isolated rat mitochondria. *Annals of the Romanian Society for Cell Biology*, 13(1): 55-60. www.analelesnbc.ro

Lucrari publicate in în volume de conferințe (REZUMATE) internaționale

1. Aburel OM, Anechitei A, Danila MD, Sturza A, Borza C, Muntean DM. Methylene blue improves mitochondrial bioenergetics and mitigates oxidative stress: two birds with one

- stone. 9th INTERNATIONAL CONGRESS OF PATHOPHYSIOLOGY and 5th CONGRESS OF PHYSIOLOGICAL SCIENCES OF SERBIA. Abstract book ISBN 978-86-7760-208-6
[http://www.physiology.org.rs/PROGRAM%20and%20Abstract%20book%20\(2023\).pdf](http://www.physiology.org.rs/PROGRAM%20and%20Abstract%20book%20(2023).pdf)
2. Laurentiu Brăescu, Adrian Merce, Darius Buriman, Karla Dobai, Maria Dănilă, Oana M. Aburel, Cristian Mornoș, Danina M. Muntean, Adrian Sturza. Effects of statin therapy on epicardial adipose tissue: focus on oxidative stress. 9th INTERNATIONAL CONGRESS OF PATHOPHYSIOLOGY and 5th CONGRESS OF PHYSIOLOGICAL SCIENCES OF SERBIA. Abstract book ISBN 978-86-7760-208-6
[http://www.physiology.org.rs/PROGRAM%20and%20Abstract%20book%20\(2023\).pdf](http://www.physiology.org.rs/PROGRAM%20and%20Abstract%20book%20(2023).pdf)
 3. Anca M. Bîcă, Adrian Sturza, Oana M. Aburel, Elena Bernad, Claudia Borza, Zoran L. Popa, Marius L. Craina, Danina M. Muntean. Placental mitochondrial respiration and monoamine oxidase expression are increased in atypical severe preeclampsia: a case presentation, 8th European Section Meeting of the International Academy of Cardiovascular Sciences, 28 sept – 1 oct 2022, Szeged, Hungary, Programme and Abstract Book, ISSN 978-963-306-879-3
 4. Oana-Maria Aburel, Adrian Sturza, Adrian P Merce, Laurentiu Braescu, Anca Bina, Cristian Mornos, Claudia Borza, Danina M Muntean. Methylene blue reduces mao-related oxidative stress in human epicardial tissue – prezentare orală, **Conferinta internationala (participare on-line)** -7th Meeting Of The European Section And 8th Meeting Of The North American Section Of The International Academy Of Cardiovascular Sciences (IACS), Bajna-Luka, Bosnia-Hertegovina, 20-23 Septembrie 2021
 5. Aburel Oana Maria, Merce Adrian, Braescu Laurentiu, Bina Anca Mihaela Mornos Cristian, Borza Claudia, Danina Mirela Muntean, Sturza Adrian. The beneficial effects of methylene blue on mao-related oxidative stress in human cardiovascular adipose tissue. XXIV World Congress ISHR, Berlin, 12-15 June 2022. *Journal of Molecular and Cellular Cardiology*. **IF: 5**
 6. O M Duicu; R Lighezan; R Balica; A Sturza; A Vaduva; H Feier; M Gaspar; C Borza; D Muntean; C Mornos. Assessment of mitochondrial dysfunction and monoamine oxidase contribution to oxidative stress in coronary patients with and without diabetes. Heart Failure 2015, 23-26 May, Seville, Spain. *European Journal of Heart Failure*, 17 (Suppl. 1), p. 438, **IF: 6.577**
 7. O.M. Duicu, R. Lighezan, A. Sturza, R. Balica, A. Vaduva, H. Feier, M. Gaspar, C. Borza, A. Ionac, C. Mornos, D.M. Muntean. Contribution of Monoamine Oxidases To Oxidative Stress in Coronary Patients With and Without Diabetes. 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. 30. Online ISSN: 1365-2362. **IF: 2.834**
 8. O.M. Duicu, I. Scurtu, A. Sturza, A. Privistirescu, D. Gheorgheosu, L. Noveanu, D.M. Muntean. Characterization of the bioenergetic effects of methylene blue 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. 27. Online ISSN: 1365-2362. **IF: 2.834**
 9. Duicu O, Lighezan R, Sturza A, Feier H, Gaspar M, Ionac A, Vaduva A, Noveanu L, Borza C, Muntean D, Mornos C. Assessment of monoamine oxidases contribution to the mitochondrial dysfunction in human diabetic hearts. Abstract book, "Targeting Mitochondria: Strategies, Innovations & Clinical Applications" 2014, p. 107. 5th World Congress on Targeting Mitochondria, Berlin, Germany, October 29-31, 2014
 10. O M Duicu, A Gorbe, A Privistirescu, N S Mirica, T Csont, P Ferdinandy, D M Muntean. Magnesium orotate in high concentration elicits cardioprotection via modulation of mitochondrial functions. *Cardiovasc Res*; 2014. 103 (suppl 1):S29. The 3rd Congress of the ESC-Council-on-Basic-Cardiovascular-Science "Frontiers in Cardio- Vascular Biology". **IF: 5.808**
 11. Duicu O, Privistirescu A, Noveanu L., Angoulvant D., Bacsko M. I., Jost M. N., Muntean D. Mitochondrial-dependent cardioprotection during postischemic reperfusion is preserved in isolated aged rodent hearts. International Conference "Printemps de la Cardiologie.

- Recherche fondamentale & Clinique". Strasbourg, France, 2014. Archives of Cardiovascular Diseases 2014 Supplements; 6 (Suppl): 15. **IF:1.662**
12. Duicu, O., Privistirescu, A., Mirica, N., Muntean, D. Pharmacological cardioprotection at reperfusion is preserved in the aged rodent heart. Abstract book, 2013, p.33. International Symposium "Advances in Cardiovascular Research: From Bench to Bedside", Smolenice, Slovak Republic. **Best poster presentation award**
 13. Oana M. Duicu, Dorina Gheorgheosu, Andreea Privistirescu, Danina M. Muntean. Characterization of ageing-associated mitochondrial dysfunction in rodent hearts. Bulletin of Romanian Society for Cell Biology, 2013, 41: 25. The 5th international Congress and the 31st annual scientific session of Romanian Society for Cell Biology
 14. O. Duicu, C. Jușcă, L. Falnită, D. Maximov, S. Mirică, O. Fira-Mlădinescu, D. Muntean. Differences in mitochondrial respiratory function in patients undergoing cardiac surgery: a high-resolution respirometry study in atrial permeabilized fibers, Conference & advanced research workshop *Sudden cardiac death & cardioprotection*, Timisoara, 6-9 september 2012, Abstract book, p 84
 15. O M Duicu, C Jusca, S Trancota, L Falnita, SN Mirica, D Maximov, O Fira-Mladinescu, D Muntean. Substrate Specific Impairment of Mitochondrial Respiration in Permeabilized Fibers from Patients with Coronary Heart Disease vs. Valvular Disease, Heart Failure 2012, Belgrade Serbia, 19-22 May, *European Journal of Heart Failure Supplements*, S58, **IF: 5.**
 16. O. Duicu, C. Jusca, S. Trancota, L. Falnita, S. Mirica, D. Maximov, O. Fira-Mladinescu, D. Muntean. (2012). Mitochondrial Respiratory Function in Patients Undergoing Cardiac Surgery: A High-Resolution Respirometry Screening Study. New Frontiers in Basic Cardiovascular Research 2012 10th Meeting of France – New EU Member Countries Hradec Králové, Czech Republic, June 12-15, 2012.
 17. Duicu O., Mirica S., Gheorgheosu D., Trancota S., Fira-Mladinescu O., Muntean D., Ageing Associated Decrease in Cardiac Mitochondria Functions in Healthy Rats, 75th anniversary of Albert Szent Gyorgyi's Nobel Prize Award, 22-25 March 2012, Szeged, *Final Programme*, p.117
 18. Duicu O., Gheorgheosu D, Mirică N., Trancotă S, Fira-Mlădinescu O, Muntean D. Analysis of mitochondrial function in rat heart permeabilized fibers by high-resolution respirometry. The 22nd European Students' Conference: Perspectives and Challenges in Regenerative Medicine, 21 - 24 September 2011, Berlin, Germany, *European Journal of Medical Research* 2011; 16 (suppl 1): 76. **IF: 1.092.**
 19. Oana M. Duicu, Nicoleta Mirică, Simona Trancotă, Andreea Anechitei, Ovidiu Fira-Mlădinescu, Danina Muntean "Mitochondrial Membrane Potential Assessment by High-Resolution Respirometry in Rat Heart Mitochondria", poster presented at the International Conference "Printemps de la Cardiologie. Recherche fondamentale & Clinique". Lyon, France, 12-14 may 2011 *Archives of Cardiovascular Diseases Supplements* 2011; 3: 30. ISSN 1878-6480. **IF: 0.66.**
 20. Duicu O.M., Mirica N., Gheorgheosu D., Trancota S., Anechitei A., Fira Mladinescu O., Muntean D. Age effects on mitochondrial respiration and membrane potential in rat hearts. International Symposium on New Approaches in Cardiovascular Disorders: From Genes & Molecules to Clinical Applications, 4 - 8 May 2011 Ankara, Turkey, *Abstract Book* p.54 – **Best Poster Presentation Award Offered by Turkey Society of Cardiovascular Surgery**
 21. O. Duicu, N. Mirica, A. Raducan, A. Sturza, A. Lazarescu, O. Fira-Mladinescu, D. Muntean, "Cardioprotective effects of magnesium orotate on respiration of rat heart mitochondria", Oral presentation at the 21st European Students' Conference, Berlin, 13th - 17th October 2010. Published in *European Journal of Medical Research*, 15 (suppl 1):I-XXII, 1-240(2010), pp.184, ISSN 0949-2321, **IF: 1.13**
 22. O. Duicu, N Mirica, S Mitica, A Raducan, O Fira-Mladinescu, D Muntean " Direct effects of magnesium orotate on oxidative phosphorylation of mitochondria *in situ*", MiP 2010, FEBS Workshop Mitochondrial Physiology, 7th Conference of Mitochondrial Physiology, Obergurgl, Tyrol, Austria, 27 Sept - 1 Oct 2010. *Mitochondrial Physiology The many functions of the Organism in Our Cells*.p 59-60. ISBN 978-3-9502399-4-2.

23. O. Duicu, N. Mirica, V. Ordodi, A. Raducan, M. Luculescu, M. Hancu, O. Fira-Mladinescu, D. Muntean. Cardioprotection at reperfusion: the role of cyclosporine A and diazoxide in isolated rat hearts. Orpheus 2010, Fifth European Conference, Vienna, Austria, April 8-10: "The advancement of European Biomedical and Health Science PhD Education by Cooperative Networking"
24. Duicu, O.M., Raducan, A., Ordodi, V., Fira-Mladinescu, O., Mirica, S., Savoiu-Balint, G., Hancu, M., Muntean, D., Cristescu, A. "The effects of sciatic nerve lesions on muscle tone in adult rats". 11TH Regional Conference on Environment and Health, 15-16 May 2009, Szeged, Hungary, abstract book on CD
25. Duicu O., Petruş A., Fendt M., Privistirescu A., Sturza A., Muntean D., Lighezan R. "Impairment of platelet mitochondrial respiration in patients with metabolic syndrome: a pilot study". IACS 2017, Pecs, Hungary. Abstract book. **Elisabeth Roth Travel Award**
26. Stud. A. Wolf, O.M. Duicu, D.M. Muntean. Characterization of the effects of methylene blue on respiratory and metabolic function of H9c2 cell line. The 16th edition of Medicalis - International Congress for Medical Students and Young Health Professionals, 14-17 May 2015, Cluj-Napoca, Romania, Abstract book, p. 68
27. D-B Ehrhard, O. Duicu, D. Muntean. KL-1495 and KL-1492 modulate mitochondrial respiration and ROS production in isolated rat heart mitochondria. Research (TDK) conference for undergraduate students, Szeged, Hungary, 10-14 February, 2015. Abstract book, p.101, ISBN: 978-963-306-358-3
28. D.E. Coricovac, O.M. Duicu, A. Anechitei, M. Danila, I. Pinzaru, C.A. Dehelean, D. Muntean. Assessment of age-related changes in respiratory function of liver and heart isolated rat mitochondria. 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. 30. Online ISSN: 1365-2362. **IF: 2.834**
29. 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. **IF: 2.834**
30. A. Sturza, O.M. Duicu, L. Noveanu, M. Danila, D.M. Muntean. Vitamin D improves endothelium-dependent relaxation in aortic rings isolated from streptozotocin-induced diabetic rats. 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. 71. Online ISSN: 1365-2362. **IF: 2.834**
31. I.Z. Pavel, O.M. Duicu, I. Scurtu, D. Coricovac, C. Dehelean, R. Csuk, D.M. Muntean. Assessment of the effects of a maslinic acid derivative in isolated mouse liver mitochondria. 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. 29. Online ISSN: 1365-2362. **IF: 2.834**
32. A. Petrus, O.M. Duicu, A. Sturza, L. Noveanu, L. Kiss, M. Danila, I. Baczko, N. Jost, D.M. Muntean. Novel mitochondrial potassium channel openers modulate mitochondrial respiration and ROS production in isolated rat heart mitochondria. 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. 28. Online ISSN: 1365-2362. **IF: 2.834**
33. A. Sturza, O.M. Duicu, R. Lighezan, L. Noveanu, A. Vaduva, H. Feier, M. Gaspar, C. Borza, A. Ionac, D.M. Muntean, C. Mornos. Monoamine oxidase inhibition improves endothelium-dependent relaxation in diseased human mammary arteries. 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. 26. Online ISSN: 1365-2362. **IF: 2.834**
34. A Sturza; O Duicu; R Lighezan; R Balica; A Vaduva; H Feier; M Gaspar; C Borza; D Muntean; C Mornos. Monoamine oxidase inhibition improves vascular function in

- diseased human mammary arteries. *Heart Failure* 2015, 23-26 May, Seville, Spain. *European Journal of Heart Failure*, 17 (Suppl. 1), p. 243, **IF: 6.577**
35. DM Muntean; A Petrus; O Duicu; A Privistirescu; M Danila; A Sturza; L Noveanu; I Baczko; N Jost. Characterization of the effects of novel ATP-sensitive potassium channel openers in isolated rat heart mitochondria. *Heart Failure* 2015, 23-26 May, Seville, Spain. *European Journal of Heart Failure*, 17 (Suppl. 1), p. 438, **IF: 6.577**
 36. Adrian Sturza, Lavinia Noveanu, Oana Duicu, Denis Angoulvant, Danina Muntean. Monoamine Oxidases as Novel Sources of Reactive Oxygen Species in Experimental Diabetes *Archives of Cardiovascular Diseases* 2014, 6 (1):15, nr.0209. Printemps de la cardiologie, Strasbourg, 2014. **IF: 1,662**
 37. D. Muntean; OM. Duicu; A. Privistirescu; MD. Danila; A. Sturza; L. Noveanu; I. Baczko; N. Jost. Cardioprotection by pharmacological agents targeting mitochondria is preserved in isolated aged rat hearts. *Cardiovasc Res*; 2014, 103(suppl 1):151, 3rd Congress of the ESC-Council-on-Basic-Cardiovascular-Science on Frontiers in Cardio Vascular Biology, Barcelona, Spain, **IF: 5,808**
 38. A. Sturza; L. Noveanu; O. Duicu; DM. Muntean. Monoamine oxidase inhibition corrects endothelial dysfunction in experimental diabetes. *Cardiovascular research*, 2014; 103(1):P172, 3rd Congress of the ESC-Council-on-Basic-Cardiovascular-Science on Frontiers in Cardio Vascular Biology, Barcelona, Spain, **IF: 5.808**
 39. Pavel I.Z., Duicu O., Coricovac D., Privistirescu A., Dehelean C., Csuk R., Muntean D. Characterization Of The Maslinic Acid Effects On Mouse Liver Mitochondria. Abstract book, 2014, p 154, 3rd Congress of Physiological Sciences of Serbia with international participation
 40. Ioana Zinuca Pavel, Cristina Dehelean, Oana Duicu, Danina Muntean, Florina Bojin. UVB-induced apoptosis signaling cascade and changes of molecular markers expression in a human dermal fibroblast line. *Acta Physiologica*, 2014, 211 (Supplement s697):170. Joint Meeting of the Federation of European Physiological Societies (FEPS) and the Hungarian Physiological Society, Budapest, Ungaria, 27-30 August 2014. **IF: 4.251**
 41. Dorina Coricovac, Oana Duicu, Sorina Alexandra Ciurlea, Ioana Zinuca Pavel, Danina Muntean, Cristina Dehelean Assessment of Betulinic Acid Effects on Liver Mitochondrial Respiratory Function in a Mouse Model of Human Melanoma. Abstract book, 2014, p. 103, 5th World Congress on Targeting Mitochondria, Berlin, Germany
 42. Petruş A., Duicu O., Privistirescu A., Sturza A., Noveanu L., Muntean D., Baczkó I., Jost N. Modulation of mitochondrial respiration by novel ATP-sensitive potassium channel openers. Abstract book, 2014, p 97. European Section Meeting of the International Academy of Cardiovascular Sciences (IACS), Balatongyörök, Hungary
 43. Petruş A., Duicu O., Privistirescu A., Sturza A., Noveanu L., Baczkó I., Jost N., Muntean D. A novel mitochondrial ATP-sensitive potassium channel opener modulates respiration in isolated rat heart mitochondria. Abstract book, 2014, p 161. 3rd Congress of Physiological Sciences of Serbia with international participation, Belgrad, Serbia
 44. Dragan S, Badalica M, Duicu O, Socaciu C. Comparative cardioprotective effects of crataegus monogyna, cornus MAS and prunella vulgaris on neonatal rat cardiomyocytes. *J Altern Complement Med*. 2014, 20(5):A34. doi: 10.1089/acm.2014.5085.abstract. **IF: 1.464**
 45. S. N. Mirică, G. Gheorghiu, O. Duicu, A. Anechitei, O. Fira-Mladinescu, D. Angoulvant, D. Muntean. (2012). Magnesium Orotate Elicites Acute Cardioprotection at Reperfusion in Isolated and in Vivo Rat Hearts. American Heart Association Scientific Sessions 2012, Los Angeles, USA, 3-7 November 2012, *Circulation*, 2012; 126: A16887. **IF: 14,739.**
 46. S. N. Mirică, G. Gheorghiu, V. Ordodi, O. Duicu, A. Privistirescu, O. Fira-Mladinescu, D. Muntean. (2012). The effect of monoamine oxidase inhibition in the in vivo model of ischemia/reperfusion injury in rat heart. Conference and Advanced Research Workshop "Sudden Cardiac Death & Cardioprotection" jointly organized with International Academy for Cardiovascular Science, September 6-9, Timisoara, Romania. *Abstract Book*, p. 85.
 47. O. Fira-Mladinescu, A. Sturza, N. Mirica, O. Duicu, A. Raducan, L. Noveanu, G. Mihalas, D. Muntean. (2012). In vitro characterization of smoking-induced endothelial dysfunction in human pulmonary artery. Conference and Advanced Research Workshop "Sudden

- Cardiac Death & Cardioprotection" jointly organized with International Academy for Cardiovascular Science, September 6-9, Timisoara, Romania. *Abstract Book*, p. 107-108.
48. S.L. Trancota, C. Enache, O.M. Duicu, E. Fagadar-Cosma, D. Muntean. Direct effects of two porphyrin compounds on oxydative phosphorylation in isolated rat hearts mitochondria. Heart Failure 2012, Belgrade Serbia, 19-22 May, *European Journal of Heart Failure Supplements*, S173, **IF: 5.**
 49. S.N. Mirica, G. Gheorghiu, O.M. Duicu, A. Anechitei, O. Fira-Mladinescu, D. Angoulvant, D. Muntean, Magnesium orotate induces cardioprotection against regional and global ischemia in rat hearts regardless the timing of administration. Heart Failure 2012, Belgrade Serbia, 19-22 May, *European Journal of Heart Failure Supplements*, S61, **IF: 5.**
 50. Trancota S., Mirica S., Duicu O., Anechitei A., Fira-Mladinescu O., Muntean D. Association of Diazoxide and Cyclosporine a Elicit Deleterious Effects on Mitochondrial Function After Prolonged Global Ischemia. 75th anniversary of Albert Szent Gyorgyi's Nobel Prize Award, 22-25 March 2012, Szeged, *Final Programme*, p.127
 51. Gheorgheosu D., Duicu O., Trancota S., Mirica S., Dehelean C., Muntean D. Liver Mitochondrial Respiratory Function is Decreased in Senescent Rats. 75th anniversary of Albert Szent Gyorgyi's Nobel Prize Award, 22-25 March 2012, Szeged, *Final Programme*, p.162
 52. Mirica S., Duicu O., Anechitei A., Fira-Mladinescu O., Muntean D. Cardioprotection by Magnesium Orotate and Orotic Acid at Reperfusion: Comparable Effects on Functional Recovery But Not on Infarct Size. 75th anniversary of Albert Szent Gyorgyi's Nobel Prize Award, 22-25 March 2012, Szeged, *Final Programme*, p.132
 53. D. Gheorgheosu, O. Duicu, C. Dehelean, M. M. Amiji, D. Muntean. Effects of a Betulin Nanoemulsion Formulation on Respiratory Function of Liver Mitochondria Isolated from Mice with Chemically Induced Skin Carcinogenesis. Oral presentation at the 22nd European Students' Conference: Perspectives and Challenges in Regenerative Medicine, Berlin, Germany, from 21th - 24th September 2011. Published in *European Journal of Medical Research*, 16(suppl 1), 2011, pp.43, **IF: 1.092.**
 54. Mirica S. N., Duicu O., Ordodi V., Luculescu M., Anechitei A., Fira-Mladinescu O., Muntean D. Cardioprotection elicited by magnesium orotate at reperfusion: A comparison with postconditioning and cyclosporine A administration. Printemps de la Cardiologie Recherche Fondamentale & Clinique 12-14 mai 2011 Lyon, France, *Archives of Cardiovascular Diseases Supplements* 2011; 3: 28. ISSN 1878-6480. **IF: 0.66**
 55. Trancota S. L., Enache C., Duicu O., Mirica S. N., Fagadar-Cosma E., Muntean D. Modulatory effects of two porphyrin compounds on respiration in isolated rat heart mitochondria. Printemps de la Cardiologie Recherche Fondamentale & Clinique 12-14 mai 2011 Lyon, France, *Archives of Cardiovascular Diseases Supplements* 2011; 3: 31. ISSN 1878-6480. **IF: 0.66**
 56. Trancota SL, Mirica SN, Duicu OM, Anechitei A, Karampitsakos T, Fira-Mladinescu O, Muntean DM. Acute administration of magnesium orotate at reperfusion improves mitochondrial respiration in isolated rat hearts. *Heart*, 2011; 97(24):8. **IF: 4.706**
 57. Trancota S., Mirica N., Duicu O., Ordodi V., Anechitei A., Fira-Mladinescu O., Muntean D., Magnesium orotate improves mitochondrial respiration during the postischaemic reperfusion in isolated rat hearts. International Symposium on New Approaches in Cardiovascular Disorders: From Genes & Molecules to Clinical Applications, 4 - 8 May 2011 Ankara, Turkey, *Abstract Book*, p.38.
 58. Mirica N.S., Duicu O., Danila M., Anechitei A., Gaita L., Fira-Mladinescu O., Angoulvant D., Muntean D. Gender does not influence cardioprotection at reperfusion elicited by magnesium orotate in isolated rat hearts. International Symposium on New Approaches in Cardiovascular Disorders: From Genes & Molecules to Clinical Applications, 4 - 8 May 2011 Ankara, Turkey, *Abstract Book*, p.58.
 59. Mirica SN., Gheorgheosu ED., Duicu OM., Anechitei AI., Danila M., Fira-Mladinescu O., Angoulvant D., Muntean DM. The importance of timing for magnesium orotate-induced cardioprotection during post-ischaemic reperfusion in isolated rat hearts. Turkish – FEPS Physiology Congress, 3-7 September 2011, Istanbul, Turkey, *Abstract book on CD*.
 60. E. D. Gheorgheosu, O. M. Duicu, S. L. Trancota, S. N. Mirica, A. I. Anechitei, O. Fira Mladinescu, C. A. Dehelean, M. D. Muntean. Age-Related Changes in Respiratory

- Function of Liver and Heart Rat Mitochondria. Turkish – FEPS Physiology Congress, 3-7 September 2011, Istanbul, Turkey, *Abstract book on CD*.
61. N. S. Mirica, V. L. Ordodi, O. M. Duicu, A. Anechitei, M. Hancu, A. M. Răducan, O. Fira-Mladinescu, D. M. Muntean. Experimental Studies on Additive Cardioprotection at Reperfusion: The Effects of Cyclosporine A and Diazoxide in Isolated Rat hearts. 9th new frontiers in basic cardiovascular research meeting 14-17 Oct. 2010 Toulouse, France. **Poster prize:section Pharmacology**
 62. Raducan A, Mirica N, Duicu O, Ordodi V, Fira-Mladinescu O, Cristescu A, Muntean D. The role of polyethylene glycol in sciatic nerve recovery after crush injury. Oral presentation at the 21st European Students' Conference, Berlin, 13th - 17th October 2010. Published in *European Journal of Medical Research*, 15(suppl 1):I-XXII, 1-240(2010), p.183, **IF: 1.13**
 63. S. Mitică, N. Mirica, O. Duicu, A. Răducan, A. Lăzărescu, O. Fira-Mladinescu, D. Muntean. Diazoxide and Cyclosporine a effects on oxidative phosphorylation in mitochondria isolated from ischemic rat hearts. Oral presentation at the 21st European Students' Conference, Berlin, 13th - 17th October 2010. Published in the *European Journal of Medical Research*, 15(suppl 1):I-XXII, 1-240(2010), pp.13, **IF: 1.13**
 64. Luculescu MD, Mirica SN, Duicu O, Raducan A, Sturza A, Fira-Mladinescu O, Muntean D. Cardioprotective effects of magnesium orotate against ischemia-reperfusion injury: An experimental study in Langendorff perfused rat hearts and isolated mitochondria. Oral presentation at the 21st European Students' Conference, Berlin, 13th - 17th October 2010. Published in the *European Journal of Medical Research*, 15(suppl 1):I-XXII, 1-240(2010), pp.16, **IF: 1.13**
 65. Buja A, Ordodi V, Gheorghiu G, Hentia C, David A, Mirica N, Duicu O, Raducan A, Dobreanu D, Muntean D. Does postconditioning potentiate inschemic preconditioning in rat hearts? Poster presented at the 21st European Students' Conference, Berlin, 13th - 17th October 2010. Published in *European Journal of Medical Research*, 15(suppl 1):I-XXII, 1-240(2010), pp.28, **IF: 1.13. 2nd place at the Cardiology section**
 66. D. Muntean, S. Mirica, O. Duicu, A. Raducan, O. Fira-Mladinescu, V. Ordodi. Cardioprotection at reperfusion by magnesium orotate in Langendorff perfused rat hearts and isolated mitochondria. Frontiers in Cardiovascular Biology, First Congress of the ESC Council on Basic Cardiovascular Science, 16-19 July 2010, Berlin, Germany. *Cardiovascular Research*, 2010, 87(1):S87, **IF: 5.801**
 67. Silvia N. Mirica, Oana M. Duicu, Valentin L. Ordodi, Andreea M. Răducan, Maria Luculescu, Mircea Hancu, Ovidiu Fira-Mladinescu, Danina M. Muntean. Magnesium orotate administration at reperfusion reduces infarct size and improves cardiac function in globally ischaemic isolated rat heart. The XX World Congress ISHR, 13-16 May 2010, Kyoto, Japan, *Abstract Book*, P-2-27-5 pp.160.
 68. A. Sturza, O. Fira Mladinescu, L. Noveanu, A. Raducan, O. Duicu, N. Mirica, D. Muntean. NO-dependent vascular relaxation: experimental model in rat aortic rings. Orpheus 2010, Fifth European Conference, Vienna, Austria, April 8-10. The advancement of European Biomedical and Health Science PhD Education by Cooperative Networking.
 69. S. N. Mirica, O. Duicu, A. Raducan, S. Mitica, M. Luculescu, A. Lazarescu, O. Fira-Mladinescu, V. Ordodi, D. Muntean. Protective effects of magnesium orotate at reperfusion in Langendorff perfused rat hearts and isolated mitochondria. Orpheus 2010, Fifth European Conference, Vienna, Austria, April 8-10: The advancement of European Biomedical and Health Science PhD Education by Cooperative Networking.
 70. S. Mitica, V. Luta, O. Duicu, N. Mirica, A. Lazarescu, M. Hancu, V. Ordodi, O. Fira-Mladinescu, D. Muntean. Assessment of mitochondrial respiration in rat skeletal muscle after blunt injury. Orpheus 2010, Fifth European Conference, Vienna, Austria, April 8-10: The advancement of European Biomedical and Health Science PhD Education by Cooperative Networking.
 71. D. M. Muntean, N. S. Mirica, V. L. Ordodi, A. M. Raducan, M. Luculescu, O. M. Duicu, M. Hancu, O. Fira-Mladinescu. The effects of cyclosporine A and diazoxide on cardioprotection at reperfusion in paced vs. non-paced Langendorff perfused rat hearts. The XX World Congress ISHR, 13-16 May 2010, Kyoto, Japan, *Abstract Book*, pp.159

72. D. Muntean, G. Gheorghiu, V. Ordodi, N. Mirica, C. Hentia, A. Raducan, O. Duicu, O. Bedreag, M. Papurica, D. Sandesc. Ketamine dose-dependently interferes with diazoxide and anaesthetic pre- and postconditioning elicited cardioprotection. ESC Congress 29August-2-September 2009, Barcelona Spain
<http://spo.escardio.org/Welcomes.aspx?eevtid=33>. IF: 8.917
73. A. M. Răducan, N. S. Mirica, O. M. Duicu, M. Hâncu, V. Ordodi, G. Săvoiu, Ovidiu Fira Mlădinescu, Danina M. Muntean, Alexandru Cristescu. Effect of polyethylene glycol on sciatic nerve conduction ability assessed in a rat crush injury model. 11th Regional Conference on Environment and Health. 15 - 16 mai 2009, Szeged, Ungaria Abstract book on CD.
74. V. Luta, D. Muntean, A. Enache, O. Duicu, M. Hancu, A.M. Berinde, F. Chatzinikolaou. Experimental model for in vivo repetitive skeletal muscle blunt contusions; medico-legal implications. Poster (P. A69) presented at the XXI Congress of the International Academy of Legal Medicine, May 28-30, 2009, Lisbon, Portugal.
<http://www.balkanforensic.org/kavala.htm>
75. D. Muntean, G. Gheorghiu, V. Ordodi, C. Hentia, O. Bedreag, M. Papurica, N. Mirica, A. Raducan, O. Duicu, D. Sandesc. Dose-dependent effects of ketamine on cardioprotection elicited by glycogen synthase kinase β inhibition in intact rat hearts. 7th Annual Scientific Sessions of the Society of Heart and Vascular Metabolism, Cardiac Metabolism in Health and Disease Mitochondria and Oxidative Stress, Padova 23-26 August 2009, Italia, p 85 <http://www.heartmetabolism.org/information.html>
76. D. Muntean, V. Ordodi, G. Gheorghiu, N. Mirica, C. Hentia, A. Raducan, O. Duicu, D. Sandesc. High- but not low-dose ketamine abolishes cardioprotection elicited by volatile anesthetics and diazoxide in the rat heart in vivo. Heart Failure Congress 2009, Nice, France <http://www.escardio.org/congresses/HF2009>. IF: 3.398
77. Gheorghiu G., Ordodi V., Hentia C., David A., Mirica N., Răducan A., Duicu O., Bedreag O., Păunescu V., Sandesc D., Danina Muntean. Cardioprotection induced by the anesthetic postconditioning is blunted by high- dose ketamine. 11TH Regional Conference on Environment and Health, 15-16 May 2009, Szeged, Hungary. *Abstract book* on CD.
78. Hentia C., David A., Gheorghiu G., Ordodi V., Mirica N., Răducan A., Duicu O., Păunescu V., Sandesc D., Danina Muntean. Ketamine interferes with the cardioprotective effects of sevoflurane in the rat model of myocardial infarction. 11TH Regional Conference on Environment and Health, 15-16 May 2009, Szeged, Hungary. *Abstract book* on CD.
79. G. Săvoiu, C. Cristescu, S. Dragan, C. Borza, C. Serban, O. Duicu, D. Ionescu, C. Dehelean. The effects of smoking on endothelial function in subjects with aortocoronary by-pass. The 11th DKMT Conference on Environment and Health, 15-16 May 2009, Szeged, Hungary. *Abstract book* on CD.
80. M. D. Luculescu, T. Karampitsakos, N. Mirica, A. Raducan, O. Duicu, M. Hancu, V. Ordodi, D. Muntean. Cardioprotective effects of magnesium orotate in globally ischemic isolated rat hearts. The XIV-th International Congress for Medical Students and Young Doctors, 22-25 April 2010, Timisoara, Romania, MEDIS Abstract's Journal III, 2010; p.58, ISSN 1843-9128 – **Illrd prize at Preclinical Section**
81. T. Karampitsakos, A. Shah, M. Luculescu, N. Mirica, A. Raducan, O. Duicu, V. Ordodi, D. Muntean. Ex vivo study of postischemic recovery of contractile function in Langendorff perfused rat hearts standardization of the experimental protocol. The XIV-th International Congress for Medical Students and Young Doctors, 22-25 April 2010, Timisoara, Romania, *MEDIS Abstract's Journal III*, 2010; p.58, ISSN 1843-9128
82. Lazarescu A. E., Chindris V., Mirica N., Duicu O., Raducan A., Mitica S., Fira-Mladinescu O., Muntean D. Insights into magnesium orotate-induced cardioprotection: A study in isolated rat heart mitochondria. The 11th International Congress for Medical Students and Young Doctors MEDICALIS, 13-16 May 2010, Cluj-Napoca, Romania, *Abstract Book*, pp.28
83. Luculescu M. D., T. Karampitsakos, Mirica N., Duicu O., Ordodi V., Raducan A., Fira-Mladinescu O., Muntean D. Magnesium orotate elicits cardioprotective effects at reperfusion in isolated rat hearts. *The 11th International Congress for Medical Students and Young Doctors MEDICALIS*, 13-16 May 2010, Cluj-Napoca, Romania, *Abstract Book*, pp.30

84. S. Aakash, T. Karampitsakos, N. Mirica, A. Raducan, O. Duicu, A. Anechitei, D. Muntean. A standardized protocol for studying the post-ischemic recovery of contractile function in isolated rat heart. The 11th International Congress for Medical Students and Young Doctors MEDICALIS, 13-16 May 2010, Cluj-Napoca, Romania, Abstract Book, pp.46
85. N. Mirica, M. Hancu, O. Duicu, A. Raducan, M. Luculescu, D. Barglazan, C. Borza, O. Fira-Mladinescu, D. Muntean. Cardioprotection at reperfusion: uncoupling effects of diazoxide and cyclosporine A on infarct size and functional recovery in isolated rat hearts. FEPS 2009, Joint meeting of The Slovenian Physiological Society and The Austrian Physiological Society and The Federation of European Physiological Societies, 12-15 November 2009, Ljubljana, Slovenia <http://lnmcp.mf.uni-lj.si/>. **IF:2.81**

Lucrari publicate in în volume de conferințe (REZUMATE) naționale

1. Aburel Oana-Maria. Platelet Mitochondrial Dysfunction in Disease as Peripheral Bioenergetic Marker. National Congress of the Romanian Society of Pathophysiology "Tradition in Education and Collaboration in Interdisciplinary Research", Timisoara, 2-5 octombrie 2024. Abstract book ISBN 978-606-786-417-5. <https://www.umft.ro/event/congresul-national-al-societatii-romane-de-fiziopatologie-cu-participare-internationala/>
2. Laurentiu Brăescu, Adrian Merce, Darius Buriman, Karla Dobai, Maria Dănilă, Oana M. Aburel, Cristian Mornoș, Danina M. Muntean, Adrian Sturza, Effects of statin therapy on epicardial adipose tissue: focus on oxidative stress, 9th European Section Meeting of the International Academy of Cardiovascular Sciences, 4-7 oct 2023, Timisoara, Romania, Program and Abstract Book, pag 158, ISBN 978-606-786-341
3. Cristian Mornoș, Laurentiu Brăescu, Oana M. Aburel, Adrian Sturza, Danina M. Muntean, Constantin Luca, Epicardial adipose tissue thickness as independent predictor In coronary artery disease: assessment by echocardiography, 9th European Section Meeting of the International Academy of Cardiovascular Sciences, 4-7 oct 2023, Timisoara, Romania, Program and Abstract Book, pag 65, ISBN 978-606-786-341-3
4. Aburel Oana-Maria, Bina Anca, Merce Adrian, Muntean Danina. Bioenergetic profile screening of peripheral thrombocytes and of a mitochondria-targeting drug effects. Rezumat publicat in Revista Română de Medicină de Laborator SUPPLEMENT 1 LA VOL. 31, NR. 2, Iunie, 2023. **IF. 0.5**. Conferința Națională a Asociației de Medicină de Laborator din România, cu participare internațională, Timișoara, 14-16 iunie 2023. <https://amlr.ro/?cat=12>
5. Mihaela-Roxana Glăvan, Oana M. Aburel, Anca M. Bîină, Vlad F. Avram, Florica Gădălean, Adrian Vlad, Lavinia Balint, Silvia Ienciu, Carmen Socaciu, Danina M. Muntean, Ligia Petrica. Assessment of platelet mitochondrial respiration in patients with non-diabetic and diabetic chronic kidney disease. Rezumat publicat in Revista Română de Medicină de Laborator SUPPLEMENT 1 LA VOL. 31, NR. 2, Iunie, 2023. **IF. 0.5**. Conferința Națională a Asociației de Medicină de Laborator din România, cu participare internațională, Timișoara, 14-16 iunie 2023. <https://amlr.ro/?cat=12>
6. O. M. Aburel, A. Sturza, A. Merce, L. Brăescu, A. Bina, C. Mornoș, C. Borza, D. Muntean, Timișoara. Albastrul de metilen reduce stresul oxidativ indus de MAO la nivelul tesutului adipos perivascular uman / Methylene blue reduces MAO-related oxidative stress in human perivascular adipose tissue. Lucrari rapid comentate, Congresul național de cardiologie, Sinaia, RO. 21-24 septembrie 2022
7. O. Duicu (2015) Evaluarea efectelor albastrului de metilen la nivelul cordului de șobolan diabetic. Congresul Național al Societății Române de Fiziopatologie cu participare internațională: "Clasic și modern în fiziopatologie. O abordare integrativă în educație și cercetare", 7-10 mai, Iasi, 2015.
8. O.M. Duicu, I. Scurtu, A. Sturza, A. Privistirescu, D. Gheorgheosu, L. Noveanu, D.M. Muntean (2015). The bioenergetic profile of H9c2 myoblasts treated with methylene blue. Workshop "Integrarea scolilor doctorale in rețelele europene. 27-28 March 2015, Timisoara, Romania

9. O. Duicu (2014). Characterization of mitochondrial dysfunction in coronary patients undergoing revascularization. The 53rd National Congress of Cardiology 2-4 oct 2014, Sinaia, Romania.
10. O. Duicu. Magnesium orotate elicits cardioprotection via modulation of mitochondrial function. The 52th National Congress of Cardiology 3-5 oct 2013, Sinaia, Romania.
11. O. M. Duicu, D Gheorgheosu, A Privistirescu, D M. Muntean. (2013). Characterization of ageing-associated mitochondrial dysfunction in rodent hearts. The 5th international Congress and the 31st annual scientific session of Romanian Society for cell biology, 5-9 iunie, 2013. Rezumat publicat in *Bulletin of Romanian Society for Cell Biology* , 41: 25.
12. O. Duicu, C. Jusca, S. Trancota, L. Falnita, S. Mirica, D. Maximov, O. Fira-Mladinescu, D. Muntean. (2012). A high-resolution respirometry study in atrial permeabilized fibers from patients undergoing cardiac surgery. The National Congress of Cardiology, 4-6 october 2012, Sinaia, Romania. *The Romanian Journal of Cardiology*, 22(A), A16.
13. O. M. Duicu, N. Mirica, D. Gheorgheosu, S. Trancota, A. Anechitei, O. Fira-Mladinescu, D. Muntean, Decline of mitochondrial functions in aged rat hearts, The 11th National Congress of the Romanian Society of Physiological Sciences: XXIst Century Physiology - from Genotype to Phenotype, Timisoara, 10-12 May 2012, *Fiziologia physiology*, 2012 suppl, p.13. ISSN 1223-2076
14. Duicu O. M., Mirica N., Gheorgheosu D., Trancotă S., Anechitei A., Firă-Mladinescu O., Muntean D. Characterization of mitochondrial dysfunction in senescent rat hearts by high-resolution respirometry. The 50th National Congress of Cardiology, 29 September – 01 October 2011, Sinaia, Romania, *Romanian Journal of Cardiology*, 2011:21(suppl B):38, ISSN 1583-2996
15. Duicu, O., Gheorgheosu, D., Mirica, N., Trancotă, S., Firă-Mladinescu, O., Muntean, D. Analysis of mitochondrial function in rat heart permeabilized fibers by high-resolution respirometry. Simpozionul doctoranzilor, Timișoara, 8 septembrie, 2011, *Fiziologia-Physiology*, Supplement: p.17, ISSN 1223-2076
16. Duicu O. M., Mirica N., Gheorgheosu D., Trancotă S., Anechitei A., Lăzărescu A, Firă-Mladinescu O., Muntean D. Senescence-associated changes in mitochondrial respiration: a high-resolution respirometry study. The XXVth National Conference of Romanian Society of Physiology, 26-28 May, 2011, Tg. Mures, Romania, *Acta Medica Mariensis* 2011:57 (suppl. 2):14. ISSN 2068-3324
17. Duicu, O.M., Muntean, D. The role of mitochondria in cardioprotection of senescent and pathological myocardium. *Fiziologia*, suppl 2010, pp.8, Symposium European Strategy for PhD Programs, 20-22 September 2010, Timisoara, Romania
18. O. Duicu, N. Mirica, S. Mitica, A. Raducan, A. Lazarescu, M. Hancu, O. Fira-Mladinescu, D. Muntean. Analysis of mitochondrial function in rat heart permeabilized muscle fibres – standardization of the technique. The 24th National Conference of the Romanian Society of Physiological Sciences: Priority directions in experimental and Clinical Physiology, June 2-5, 2010, Oradea, Baile Felix, Romania
19. Oana Duicu, Andreea Răducan, V. Ordodi, M. Hâncu, Nicoleta Mirica, D. Bărglăzan, O. Fira-Mladinescu, Danina Muntean, Al. Cristescu. Evolution of rat muscle tone after sciatic nerve injury. *The VII-th National Conference of Romanian Society of Pathophysiology: „Classic and modern in conventional and non-conventional pathology exploring”*, 8-10 october 2009, Oradea ISBN 978-973-647-673-3
20. Oana Duicu, Simona Mitica, Nicoleta Mirica, Adrian Lazarescu, Mircea Hancu, Dragos Barglăzan, Andreea Raducan, Danina Muntean. Cardioprotection at reperfusion: do diazoxide and cyclosporine have an additive effect in the case of isolated rat hearts? *The VII-th National Conference of Romanian Society of Pathophysiology: „Classic and modern in conventional and non-conventional pathology exploring”*, 8-10 october 2009, Oradea ISBN 978-973-647-673-3
21. Oana Duicu, Vera Luta, Andreea Raducan, Nicoleta Mirica, Mircea Hancu, Danina Muntean, Alexandra Enache, Al. Cristescu. Experimental animal model of skeletal muscle progressive injury by applying standardized repetitive contusions. *Timisoara's Academic days*, May 2009, Timisoara Medical Journal, vol 59, Supplement 1, ISSN 1583-5251, pp. 98

22. Oana Duicu, Ovidiu Fira-Mladinescu, Andreea Raducan, Silvia Mirica, Dragoș Barglazan, Germaine Savoiu-Balint, Alexandru Cristescu. Device and method for muscle dysfunction study. *The 10th Congress of the Romanian Society of Physiological Sciences, June 5-7, 2008, Cluj-Napoca*.
23. Oana M. Duicu, Andreea M. Raducan, Silvia N. Mirica, D.M. Barglazan, Germaine Savoiu-Balint, M. Hancu, A. Cristescu. Metoda de evaluare in vivo a efectelor farmacodinamice ale ACSw05 asupra tonusului bazal al musculaturii striate scheletale. *The XXVI-th scientific annual session of Cellular Biology National*, 12-15 iunie 2008, Cluj-Napoca. Abstract publicat in *Buletinul Societatii Nationale de Biologie Celulara*; 36: 175.
24. Oana Duicu, Andreea Răducan, Nicoleta Mirica, D. Bărglăzan, M. Hâncu, A. Cristescu. Experimental device for noninvasive evaluation of skeletal muscle tone. *The VI-th National Conference of Romanian Society of Pathophysiology and International Workshop "Cardioprotection in Ischemia-Reperfusion Injury: Where Do We Stand in 2007?"*, October 4 – 6, 2007, Timișoara.
25. Oana Duicu, Andreea Monica Răducan, Silvia Nicoleta Mirica, Camelia Costea. Effects of ACSw05 extract on skeletal muscle tone. *The XXI-th National Conference of SRSF, 11-13 may, 2006, Oradea-Băile Felix, Romania*
26. A. Sturza, O.M. Duicu, A. Vaduva, L. Noveanu, M. Danila, D.M. Muntean (2015). Vitamin D improves vascular function and modulates monoamine oxidase expression in aortic rings isolated from diabetic rats. Workshop "Integrarea scolilor doctorale in rețelele europene. 27-28 March 2015, Timisoara, Romania
27. D. Coricovac, O. Duicu, I. Pînzaru, C. Soica, D. Muntean, C. Dehelean. (2015) Evaluarea efectelor acidului betulinic complexat cu ciclodextrine asupra respirației mitocondriale. Congresul Național al Societății Române de Fiziopatologie cu participare internațională: "Clasic și modern în fiziopatologie. O abordare integrativă în educație și cercetare", 7-10 mai, Iasi, 2015.
28. A. Petruș, O. M. Duicu, A. Sturza, L. Noveanu, L. Kiss, M. Dănilă, I. Baczkó, N. Jost, D. M. Muntean (2015) 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. O abordare integrativă în educație și cercetare", 7-10 mai, Iasi, 2015.
29. A. Sturza, O.M. Duicu, A. Văduva, L. Noveanu, M. Dănilă, D.M. Muntean (2015) Vitamina D protejează funcția vasculară via interacțiunea cu MAO în diabetul zaharat experimental. Congresul Național al Societății Române de Fiziopatologie cu participare internațională: "Clasic și modern în fiziopatologie. O abordare integrativă în educație și cercetare", 7-10 mai, Iasi, 2015.
30. A. Văduva, R. Lighezan, O. Duicu, A. Sturza, M. Gaspar, H. Feier, D. Muntean, A. Dema, C. Mornos (2015) Capcane în cuantificarea marcării cu diclorofluoresceină a preparatelor de țesut atrial uman. Congresul Național al Societății Române de Fiziopatologie cu participare internațională: "Clasic și modern în fiziopatologie. O abordare integrativă în educație și cercetare", 7-10 mai, Iasi, 2015.
31. M. D. Dănilă, A. Privistirescu, S. N. Mirica, O. M. Duicu, A. Sturza, V. Ordodi, L. Noveanu, D. M. Muntean (2015) Cardioprotecția indusă de precondiționarea ischemică și inhibiția MAO pe cordul izolat de șobolan. Congresul Național al Societății Române de Fiziopatologie cu participare internațională: "Clasic și modern în fiziopatologie. O abordare integrativă în educație și cercetare", 7-10 mai, Iasi, 2015.
32. A. Sturza, A. Văduva, O. Duicu, R. Lighezan, R. Balica, M. Gaspar, H. Feier, D. M. Muntean, C. Mornos (2015) MAO mediază disfuncția endotelială la nivelul arterelor mamare izolate de la pacienți coronarieni. Congresul Național al Societății Române de Fiziopatologie cu participare internațională: "Clasic și modern în fiziopatologie. O abordare integrativă în educație și cercetare", 7-10 mai, Iasi, 2015.
33. A. Privistirescu, O. Duicu, A. Sturza, L. Noveanu, A. Ionac, M. Gaspar, C. Mornos, D. Muntean, C. Borza (2015) Evaluarea stress-ului oxidativ la pacienții coronarieni cu și fără diabet zaharat. Congresul Național al Societății Române de Fiziopatologie cu participare internațională: "Clasic și modern în fiziopatologie. O abordare integrativă în educație și cercetare", 7-10 mai, Iasi, 2015.

34. I.Z. Pavel, O.M. Duicu, I. Scurtu, D.E. Coricovac, C.A. Dehelean, R. Csuk, D.M. Muntean (2015) Efectele acidului maslinic asupra leziunilor cutanate și a respirației mitocondriale la șoareci cu cancer fotochimic. Congresul Național al Societății Române de Fiziopatologie cu participare internațională: "Clasic și modern în fiziopatologie. O abordare integrativă în educație și cercetare", 7-10 mai, Iasi, 2015.
35. I. Mytiko, O. M. Duicu, R. Popescu, I. Z. Pavel, stud. A. Wolf, A. Petruș, A. Privistirescu, A. Sturza, D. M. Muntean (2015) Efectele bioenergetice și metabolice ale medicației hipocolesterolemizante pe mioblastii H9c2. Congresul Național al Societății Române de Fiziopatologie cu participare internațională: "Clasic și modern în fiziopatologie. O abordare integrativă în educație și cercetare", 7-10 mai, Iasi, 2015.
36. Adrian Sturza, Oana Duicu, Lavinia Noveanu, Romulus Timar, Mircea Munteanu, Norbert Jost, Andras Varro, Danina M. Muntean. Endothelial Dysfunction Is Mediated By Monoamine Oxidase-Derived Hydrogen Peroxide: An Experimental Study In Diabetic Rats. *Acta Diabetologica Romana*, 2014, 40:224-225. Al 40-lea Congres National cu participare Internationala al Societatii Romane de Diabet zaharat, nutritie si boli metabolice, Sibiu
37. Adrian Sturza, Oana Duicu, Lavinia Noveanu, Maria Danila, Mircea Munteanu, Romulus Timar, Danina Muntean. Inhibitia monoaminoxidazei amelioreaza disfunctia endoteliala in diabetul zaharat experimental. *Romanian Journal of Cardiology*, 2014, Supplement A :32-33, Al 53-lea Congres National de Cardiologie, 2-4 octombrie, Sinaia
38. Dorina Gheorgheosu, Oana M. Duicu, Sorina Ciurlea, Cristina Dehelean, Danina M. Muntean. (2013). The effects of triptenes on liver respiratory mitochondrial function in experimental models of skin carcinogenesis. The 5th international Congress and the 31st annual scientific session of Romanian Society for cell biology, 5-9 iunie, 2013. Rezumat publicat in *Bulletin of Romanian Society for Cell Biology* , 41: 28.
39. Danina M. Muntean, Oana M. Duicu, Aniko Gorbe, Andreea Privistirescu, Mirica Nicoleta, Tamas Csont, Peter Ferdinandy, Norbert Jost. (2013). *In vitro* characterization of orotic acid and magnesium orotate cardioprotective effects. The 5th international Congress and the 31st annual scientific session of Romanian Society for cell biology, 5-9 iunie, 2013. Rezumat publicat in *Bulletin of Romanian Society for Cell Biology* , 41: 24.
40. S.N. Mirică, R. Lighezan, O.M. Duicu, O. Fira-Mladinescu, D.M. Muntean. (2012). Cardioprotection at reperfusion: dichotomic effects of pharmacological vs. ischemic postconditioning in isolated rat hearts. *The National Congress of Cardiology*, 4-6 october 2012, Sinaia, Romania. *The Romanian Journal of Cardiology*, 22(A), A27-28.
41. Gheorgheosu, D., Duicu, O., Dehelean, C., Amiji M.M., Muntean, D. Topical treatment with a betulun formulation improves respiratory function of liver mitochondria isolated from mice with chemically induced skin cancer. *Simpozionul doctoranzilor*, Timișoara, 8 septembrie, 2011, *Fiziologia-Physiology*, Supplement: 19 ISSN 1223-2076
42. Mirica N., Duicu O.M., Anechitei A., Hancu M., Firă-Mladinescu O., Angoulvant D., Muntean D. The importance of magnesium orotate administration protocol on cardioprotection at reperfusion in Langendorff perfused rat hearts. *The 50th National Congress of Cardiology*, 29 September – 01 October 2011, Sinaia, Romania, *Romanian Journal of Cardiology*, 2011:21(suppl B):85 ISSN 1583-2996
43. Trancotă S. L., Enache C., Mirica N., Dudas Z, Duicu O., Gheorgheosu D., Muntean D. Influence of diazoxide and cyclosporine a coadministration on mitochondria isolated from rat hearts subjected to global ischemia/reperfusion injury. *The XXV th National Conference of Romanian Society of Physiology*, 26 - 28 May 2011, Tg. Mures, Romania, *Acta Medica Mariensis*, 2011:57(suppl. 2):35. ISSN 2068-3324
44. Gheorgheosu E. D., Duicu O., Trancotă S., Mirica N., Dehelean C., Muntean D. A Comparative Study of Liver Mitochondrial Respiration in Adult vs. Senescent Rats. Oral presentation, *The XXV th National Conference of Romanian Society of Physiology*, 26-28 May, 2011, Tg. Mures, Romania, *Acta Medica Mariensis*, 2011:57(suppl. 2):16, ISSN 2068-3324
45. Sturza A, Gheorgheosu Dorina, Duicu Oana, Mirica Nicoleta, Noveanu Lavinia, Fira-Mladinescu O, Muntean Danina. Inhibition of vascular monoamine oxidase-a: experimental studies of vascular reactivity in isolated rat aortic rings. Poster presented at *The XXV th National Conference of Romanian Society of Physiology*, held in Tg. Mures,

- Romania, from 26-28 May, 2011, abstract published in *Acta Medica Mariensis*, 2011, 57 (suppl. 2), pp.33, ISSN 2068-3324 (CNCSIS B+).
46. Trancotă S., Enache C., Duicu O., Gheorgheosu D., Mirica N., Făgădar-Cosma E., Muntean D. Evaluarea efectului a doi compusi porfirinici asupra funcției respiratorii a mitocondriilor cardiace de sobolan. *Zilele Academice Timisene*, Timisoara, 26 – 27 mai, 2011.
 47. Viorica Kerti, Simona Trancota, Oana Duicu, Dorina Gheorgheosu, M. Hancu, Danina Muntean. Izolarea mitocondriilor din muschiul scheletic de sobolan – standardizarea modelului experimental. *Zilele Academice Timisene*, Timisoara, 26 – 27 mai, 2011.
 48. stud. Lăzărescu A., Duicu O., Mirica S. N. , Gheorgheosu D., Trancotă S., Fira-Mlădinescu O., Muntean D. Model experimental de evaluare a funcției mitocondriale prin respirometrie de înaltă rezoluție la sobolan. *Zilele Academice Timisene*, Timisoara, 26–27 mai, 2011.
 49. Mitică Simona, Duicu Oana, Mirică Nicoleta, Lăzărescu Adrian, Răducan Andreea, Ovidiu Fira-Mlădinescu, Danina Muntean. Diazoxide effects on respiration of mitochondria isolated from normal and ischemic rat hearts. *The 5th Conference of the Romanian Association of Medical Laboratories with International Participation*, 16-19 June, Mamaia, Romania. Abstract published in Romanian Review of *Laboratory Medicine*, Vol. 18, Supplement of No. 2/4, June 2010, p.37-38 journal indexed ISI Web of Knowledge and Copernicus Master journal List
 50. Silvia Mirica, Oana Duicu, Valentin Ordodi, Andreea Raducan, Adrian Sturza, Maria Luculescu, Ovidiu Fira-Mladinescu, Danina Muntean. Magnesium orotate administration at reperfusion improves contractile function and reduces infarct size in isolated rat heart. *The 24th National Conference of the Romanian Society of Physiological Sciences: "Priority directions in experimental and Clinical Physiology"*, June 2-5, 2010, Oradea, Baile Felix, Romania
 51. Raducan Andreea, Mirica Nicoleta, Duicu Oana, Ordodi Valentin, Lighezan Rodica, Fira-Mladinescu Ovidiu, Muntean Danina. Functional assessment of peripheral nerve injury in rat: standardization of the crush injury. *The 24th National Conference of the Romanian Society of Physiological Sciences: "Priority directions in experimental and Clinical Physiology"*, June 2-5, 2010, Oradea, Baile Felix, Romania
 52. Simona Mitica, Nicoleta Mirica, Oana Duicu, Andreea Raducan, Maria Luculescu, Mircea Hancu, Ovidiu Fira-Mladinescu, Danina Muntean. The effects of diazoxide and cyclosporine A on respiration of mitochondria isolated from ischemic rat hearts. *The 24th National Conference of the Romanian Society of Physiological Sciences: "Priority directions in experimental and Clinical Physiology"*, June 2-5, 2010, Oradea, Baile Felix, Romania
 53. Adrian Sturza, O. Fira-Mladinescu, Lavinia Noveanu, Nicoleta Mirica, Oana Duicu, Andreea Raducan, Danina Muntean. Effects of L-NAME on acetylcholine and adenosine induced vasodilatation in rat aortic rings. *The 24th National Conference of the Romanian Society of Physiological Sciences: "Priority directions in experimental and Clinical Physiology"*, June 2-5, 2010, Oradea, Baile Felix, Romania, **Best poster prize**
 54. Nicoleta Mirica, Maria Luculescu, M. Hâncu, V. Ordodi, Andreea Răducan, Oana Duicu, Claudia Borza, O. Fira-Mlădinescu, Danina Muntean. Comparative study of the effects of diazoxide and cyclosporine A on infarct size and recovery of contractile function after global postischemia in isolated rat hearts. *The VII-th National Conference of Romanian Society of Pathophysiology: „Classic and modern in conventional and non-conventional pathology exploring”, 8-10 october 2009*, p.73.
 55. Răducan A., Mirica N., Duicu O., Bărglăzan D. , Hâncu M., Fira Mlădinescu O., Muntean D., Cristescu A. In vitro functional recovery of injured peripheral nerves after application of poliethilenglicol. *The VII-th National Conference of Romanian Society of Pathophysiology: „Classic and modern in conventional and non-conventional pathology exploring”, 8-10 october 2009*, Oradea, p. 77.
 56. Simona Mitica, Corina Enache, Oana Duicu, Cecilia Savii, Zoltan Dudas, Adrian Lazarescu, Danina Muntean. Studies on isolated cardiac mitochondria: standardization of the methodology to determine the membrane potential and the retention calcium capacity. *The VII-th National Conference of Romanian Society of Pathophysiology:*

- „Classic and modern in conventional and non-conventional pathology exploring”, 8-10 october 2009, Oradea, p. 75.
57. Nicoleta Mirica, Valentin Ordodi, Attila Farkas, Andreea Raducan, Oana Duicu, Mircea Hancu, Norbert Jost, Andras Toth, Alexandru Cristescu, Danina Muntean, Andras Varro. Standardization of the experimental model of isolated perfused rat heart according to Langendorff. *10th International Symposium “Interdisciplinary Regional Research – Romania – Hungary – Serbia, ISIRR 2009”, 23-24 April, 2009, Hunedoara, Romania* <http://annals.fih.upt.ro/sustained-events.html>
 58. Nicoleta Mirica, Valentin Ordodi, Andreea Raducan, Oana Duicu, stud. Maria Lazarescu, Adrian Apostol, Ovidiu Fira-Mladinescu, Andras Toth, Andras Varro, Danina Muntean. The role of physical effort in functional recovery after global ischemia – experimental study on rat heart isolated from Langendorff setup. *Timisoara’s Academic days*, May 2009, *Timisoara - Timisoara Medical Journal*, vol 59, Supplement 1, ISSN 1583-5251, pp. 99
 59. Ciprian Hentia, Gabriel Gheorghiu, Valentin Ordodi, Nicoleta Mirica, Andreea Raducan, Oana Duicu, Ovidiu Bedreag, Virgil Paunescu, Danina Muntean. Ketamine in high doses eliminates the cardioprotection induced by sevoflurane postconditioning in *in vivo* rats. *The 35-th Congress of the Romanian Society of Anesthesiology and Intensive Therapy, The 3-th Romanian-French Congress of Anesthesiology and Intensive Therapy*, 13-17 may 2009, Sinaia, Romania, <http://www.sraticongres.ro/2009/www/>
 60. Claudia Borza, Germaine Savoie, Carmen Cristescu, Corina Serban, Oana Duicu, Mihaela Ghete, Rodica Mateescu. Low serum bilirubin levels, predictors of developing atherosclerosis. *1st Congress of the Romanian Association of Medical Laboratories with International Participation Under the auspices of IFCC and EFCC* 24-27 June 2009, Tirgu Mures, Romania – *Romanian Review of Laboratory Medicine*, vol 15, no 2, Vi 2009, - 6624, p.127. ISSN 1841 -6624, ISI Web of Science, http://apps.isiknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=36&SID=X1IBD46BmCDIEN6B2Je&page=3&doc=27&colname=WOS&cacheurlFromRightClick=no
 61. Claudia Borza, Germaine Savoie, Carmen Cristescu, Lavinia Noveanu, Corina Serban, Oana Duicu, Andreea Raducan, Mihaela Ghete. Higher serum uric acid levels are associated with atherogenesis independent from hypertension. *1st Congress of the Romanian Association of Medical Laboratories with International Participation Under the auspices of IFCC and EFCC* 24-27 June 2009, Tirgu Mures, Romania – *Romanian Review of Laboratory Medicine*, vol 15, nr 2, Vi 2009, -6624, p.128 ISSN 1841 -6624, ISI Web of Science, http://apps.isiknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=36&SID=X1IBD46BmCDIEN6B2Je&page=3&doc=27&colname=WOS&cacheurlFromRightClick=no
 62. stud. Maria Lupulescu, Nicoleta Mirica, Andreea Raducan, Oana Duicu, Mircea Hancu, Al. Cristescu, Danina Muntean. In vitro ischemic experimental model on retrogradely perfused hearts. *Timisoara’s Academic days*, Timisoara, May 2009, *Timisoara Medical Journal*, vol 59, Supplement 1, ISSN 1583-5251pp. 101
 63. stud. David Alexandra, Hentia C., Gheorghiu G., Ordodi V., Mirica Nicoleta., Raducan Andreea, Duicu Oana, Sandesc D., Muntean Danina. In vivo regional ischemic experimental model on rat. *Timisoara’s Academic days*, May 2009, *Timisoara Medical Journal*, vol 59, Supplement 1, ISSN 1583-5251pp. 102
 64. Danina Muntean, V. Ordodi, Nicoleta Mirica, G. Gheorghiu, Oana Duicu, C. Hentia, Andreea Raducan, D. Sandesc. Cardioprotection induced by volatile anaesthetics: the role of pre and postconditioning with isoflurane and sevoflurane. *Oradea Medical days - XVIIth edition. Symposion „Pathophysiological implications in cardiovascular diseases”*, Oradea, 16-18 october 2008
 65. Germaine Savoie, Simona Drăgan, T. Nicola, O. Fira-Mladinescu, Corina Gorun, Oana Duicu, Andreea Raducan, Lavinia Noveanu, Anca Tudor, Danina Muntean, Georgeta Mihalaş. Corelatiile dintre grosimea initma-media carotidiana si factorii de risc cardiovasculari la pacientii hipertensivi. *The XXVI-th scientific annual session of Cellular*

- Biology National*, 12-15 iunie 2008, Cluj-Napoca. Abstract publicat in *Buletinul Societatii Nationale de Biologie Celulara*; 36: 68.
66. Germaine Savoiu, Simona Drăgan, T. Nicola, O. Fira-Mladinescu, Corina Gorun, Lavinia Noveanu, Oana Duicu, Andreea Raducan, Anca Tudor, Danina Muntean, Georgeta Mihalaş. Proteina C-reactiva, marker al aterosclerozei subclinice la pacientii hipertensivi. *The XXVI-th scientific annual session of Cellular Biology National*, 12-15 iunie 2008, Cluj-Napoca. Abstract publicat in *Buletinul Societatii Nationale de Biologie Celulara*; 36: 69.
 67. Dragoş Barglazan, Oana Duicu, Andreea Raducan, Nicoleta Mirica, M. Hancu, Danina Muntean, Alexandru Cristescu. Studiu experimental pentru evaluarea in vitro a modificarilor parametrilor electrofiziologici ai fibrelor musculare cardiace izolate. *The XXVI-th scientific annual session of Cellular Biology National*, 12-15 iunie 2008, Cluj-Napoca. Abstract publicat in *Buletinul Societatii Nationale de Biologie Celulara*; 36: 101.
 68. Răducan Andreea, Mirica Nicoleta, Duicu Oana, Bărglăzan Dragoş, Săvoiu Germaine, Ordodi VL, Hancu M., Muntean Danina, Cristescu A. Evaluarea functionala in vivo a refacerii nervului sciatic lezat la sobolan. *The XXVI-th scientific annual session of Cellular Biology National*, 12-15 iunie 2008, Cluj-Napoca. Abstract publicat in *Buletinul Societatii Nationale de Biologie Celulara*; 36: 177.
 69. Mirica Silvia Nicoleta, Răducan Andreea Monica, Duicu Oana Maria, Barglazan D. M., Hancu M., Savoiu-Balint Germaine, Muntean Danina Mirela, Mirica MC, Cristescu A. Studiul refacerii membranei axonale in urma compresiunii severe prin evaluarea in vitro a restabilirii conducerii impulsurilor electrice. *The XXVI-th scientific annual session of Cellular Biology National*, 12-15 iunie 2008, Cluj-Napoca. Abstract publicat in *Buletinul Societatii Nationale de Biologie Celulara*; 36: 102.
 70. Andreea Raducan, Nicoleta Mirica, Valentin Ordodi, Dragoş Barglazan, G Gheorghiu, Oana Duicu, Ciprian Hentia, Ovidiu Fira-Mladinescu, Dorel Sandesc, Alexandru Cristescu, Danina Muntean. Isoflurane-induced postconditioning in not enhanced by the inhibition of mitochondrial permeability transition at reperfusion. *The 10th Congress of the Romanian Society of Physiological Sciences „PHYSIOLOGY from experiment to medical practice”*, Cluj-Napoca, 5-7 Iunie 2008, *Fiziologia-physiology*, 2008, 18(2): 62-63, ISSN:1223-2076.
 71. Nicoleta Mirica, Valentin Ordodi, Dragoş Barglazan, Andreea Raducan, G Gheorghiu, Oana Duicu, Ciprian Hentia, Ovidiu Fira-Mladinescu, Dorel Sandesc, Alexandru Cristescu, Danina Muntean. Inhibition of mitochondrial permeability transition is not associated with the enhancement of sevoflurane-induced postconditioning. *The 10th Congress of the Romanian Society of Physiological Sciences „PHYSIOLOGY from experiment to medical practice”*, Cluj-Napoca, 5-7 Iunie 2008, *Fiziologia-physiology*, 2008, 18(2): 62-63, ISSN:1223-2076.
 72. Dragoş Barglazan, Nicoleta Mirica, Valentin Ordodi, G. Gheorghiu, Andreea Raducan, Oana Duicu, Ovidiu Fira-Mladinescu, C Macarie, Dorel Sandesc, Alexandru Cristescu, Danina Muntean. No additional benefit from the combination of isoflurane preconditioning and postconditioning. *The 10th Congress of the Romanian Society of Physiological Sciences „PHYSIOLOGY from experiment to medical practice”*, Cluj-Napoca, 5-7 Iunie 2008, *Fiziologia-physiology*, 2008, 18(2): 62-63, ISSN:1223-2076
 73. G. Gheorghiu, V. Ordodi, O. Bedreag, M. Papurica, C. Hentia, C. Macarie, Nicoleta Mirica, D. Barglazan, Oana Duicu, Danina Muntean, D. Sandesc. Sevoflurane postconditioning: the inhibition of mitochondrial permeability transition pore. lucrare prezentata la *al- 2-lea Congres Romano-Francez de Anestezie si Terapie Intesniva*, Sinaia 14-18 Mai 2008, si publicata in *JR ATI* vol. 15 Supliment 1 Mai 2008,p. 133
 74. Andreea M. Răducan, Silvia N. Mirica, D.M. Bărglăzan, Oana M. Duicu, M. Hâncu, M.C. Mirica, A. Cristescu. Experimental study regarding the assessment of natural recovery in mechanically injured nevous fibers: correlations with the degree of injury. *The VI-th National Conference of Romanian Society of Pathophysiology and International Workshop “Cardioprotection in Ischemia-Reperfusion Injury: Where Do We Stand in 2007?”*, October 4 – 6 , 2007, Timișoara
 75. D. Bărglăzan, Nicoleta Mirica, Andreea Răducan, Oana Duicu, M. Hâncu, A. Cristescu. Experimental techniques for assessing free calcium in isolated cardiomyocytes. *The VI-th National Conference of Romanian Society of Pathophysiology and International*

- Workshop "Cardioprotection in Ischemia-Reperfusion Injury: Where Do We Stand in 2007?"*, October 4 – 6 , 2007, Timișoara
76. Nicoleta Mirica, Andreea Răducan, D. Bărglăzan, Oana Duicu, M. Hâncu, M. Mirica, A. Cristescu. Experimental model used for evaluation of accelerating factors in the reconstruction of the injured axonal membrane. *The VI-th National Conference of Romanian Society of Pathophysiology and International Workshop "Cardioprotection in Ischemia-Reperfusion Injury: Where Do We Stand in 2007?"*, October 4 – 6 , 2007, Timișoara.
77. Silvia Nicoleta Mirica, Oana Duicu, Andreea Monica Răducan, D. M. Bărglăzan. Effects of ACSw05 extract on vascular smooth muscle. *The XXI-th National Conference of Romanian Society of Pathophysiology, 11-13 may, 2006, Oradea-Băile Felix*
78. Silvia Nicoleta Mirica, Andreea Monica Răducan, D. M. Bărglăzan, Oana Duicu, Corina Gorun. Monitorization of axonal membrane recovery by registering the nervous conductivity with saccharose barrier technique. *Al VII-lea Congres Național de Farmacologie, Terapeutică și Toxicologie Clinică cu participare internațională*, 24-27 mai 2006, Timișoara.