

Lista completă de lucrări

Lect. Univ. dr. Silvia Nicoleta Mirica

1. Lista celor maximum 10 lucrări considerate de candidat a fi cele mai relevante pentru realizările profesionale proprii;

- Autor principal

Articole ISI

1. **Mirica, S.N.**, Duicu, O.M., 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 F.I.: 1.546 la data apariției, FI pe ultimii 5 ani: 1.743

Link: [Magnesium orotate elicits acute cardioprotection at reperfusion in isolated and in vivo rat hearts \(cdnsiencepub.com\)](http://cdnsiencepub.com), (<https://doi.org/10.1139/cjpp-2012-0216>)

2. Raducan, A., **Mirica, S.N.**, Duicu, O., Raducan, S., Muntean, D., Fira-Mladinescu, O., Lighezan, R. *Morphological And Functional Aspects Of Sciatic Nerve Regeneration After Crush Injury*. Rom J Morphol Embryol 2013, 54(3):735–739 (<http://www.rjme.ro/RJME/jsp/search.doi>), FI la data aparitiei: 0,62, FI pe ultimii 5 ani: 0,771- (<http://www.rjme.ro/RJME/jsp/aboutus.jsp>)

Link: [541313735739.pdf \(rjme.ro\)](http://www.rjme.ro)

- **Raducan A. și Mirica S.N.** - contribuții egale la elaborarea lucrării

Lucrări indexate în baze de date internaționale

3. Glazer, Nagel A, Puta T, Dompkos M, reitmeyer H., Nicoara V., Jurjiu N.A, **Mirica S.N** *The influence of altitude training on the manifestation of muscle force in the lower limbs and aerobic endurance on students specializing in ski*, (2022), Timisoara Physical Education & Rehabilitation Journal, 15(28):39-45 DOI 10.2478/tperj-2022-0005

Link: [TPERJ vol 15 issue 28 art 5.pdf \(uvt.ro\)](http://www.uvt.ro)

4. Domokos C., Domokos M., **Mirica S.N**, Negrea C., Bota E., Nagel A., *Being a student at the Faculty of Sports and Physical Education in COVID-19 Pandemic times - A moment in life*, Timișoara Physical Education and Rehabilitation Journal Volume 13, Issue 24, 2020, p45 -50 DOI: 10.2478/tperj-2020-0007

Link: [TPERJ vol 13 issue 24 art 7.pdf \(uvt.ro\)](http://www.uvt.ro)

5. Domokos C., Dragomir A., Domokos M., Negrea C., Bota E., **Mirica S.N.**, Nagel A., (2022) *Influence Of Different Types Of Footwear On Sport Performance Characteristics, In Long Distance Running - Case Study*, Studia Universitatis Babeș-Bolyai Educatio Artis Gymnastica,

Vol. 4, P 83-94 Studia Universitatis Babeş-Bolyai Educatio Artis Gymnastica, Vol. 4, P 83-94, DOI: 10.24193/10.24193/subbeag.67(4)

Link: <http://www.studia.ubbcluj.ro/download/pdf/1476.pdf>

**** Autor de corespondență**

6. Cristian NEGREA, Alexandru LEPARDA, **Silvia Nicoleta MIRICA** , Martin DOMOKOS, Cerasela DOMOKOS5, Eugen BOTA, Adrian NAGEL, (2019) *The training, nutrition and physical conditioning programme: a challenge for kickboxing athletes to achieve athletic greatness*, TPERJ, Volume 12: Issue: 22,p: 18-25

Link: [V12IS22A3.pdf \(uvt.ro\)](#)

7. Mirica, S. N., Duicu, O. M., Răducan, A. M., Sturza, A., Ordodi, V. L., Fira-Mladinescu, O., Muntean, D..M. *Comparable cardioprotection at reperfusion by magnesium orotate and cyclosporin A: A study in isolated rat hearts. Bulletin UASVM* 2010; 67(1):125-130 (<http://journals.usamvcluj.ro/index.php/veterinary/issue/view/155>).

Link: [Vol. 67 No. 1: Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Veterinary Medicine | Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Veterinary Medicine \(usamvcluj.ro\)](#)

Co-Autor

Lucrări ISI

8. Stincel O., Oravitan M., Pantea C., Almajan-Guta B., **Mirica N.**, Boncu A., Avram C. (2023) - Assessment of forward head posture and ergonomics in young IT professionals – reasons to worry? *Med Lav* 2023; 114 (1): e2023006 DOI: 10.23749/mdl.v114i1.13600, [Assessment of Forward Head Posture and Ergonomics in Young IT Professionals - Reasons to Worry? - PubMed \(nih.gov\)](#) **FI: 2.244**

9. Danila M.D., Privistirescu A.I., **Mirica S.N.**, Sturza A., Ordodi V., Noveanu L., Duicu O.M., Muntean D.M. Acute Inhibition Of Monoamine Oxidase And Ischemic Preconditioning In Isolated Rat Hearts: Interference With Postischemic Functional Recovery But No Effect On Infarct Size Reduction. *Can J Physiol Pharmacol* 2015; 93(9):819-825. <https://doi.org/10.1139/cjpp-2015-0103> ,

F.I.: 1.704 FI pe ultimii 5 ani: 1.743 (<http://www.nrcresearchpress.com/page/cjpp/editors>)

Link> https://cdnsiencepub.com/doi/10.1139/cjpp-2015-0103?url_ver=Z39.88-2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%20%20pubmed

10. Duicu, O., Jușcă, C., Falniță, L., **Mirică, S.**, Maximov, D., Firă-Mladinescu, O., Muntean, D. (2013). *Substrate Specific Impairment Of Mitochondrial Respiration In Permeabilized Fibers From Patients With Coronary Heart Disease Vs. Valvular Disease. Mol Cell Biochem* ; 379(1-2):229-234. **F.I.: 2.388**

Link: [Substrate-specific impairment of mitochondrial respiration in permeabilized fibers from patients with coronary heart disease versus valvular disease | SpringerLink](#)

2. Titlul tezei sau al tezelor de doctorat (pentru ocuparea postului de profesor universitar este necesar și titlul tezei de abilitare);

Titlul tezei de doctorat : *Cercetări experimentale privind cardioprotecția la reperfuzie*

- Conducător științific: Prof. Dr. Danina Muntean
- Confirmată Doctor în domeniul Medicină prin **Ordinul Ministrului Educației Ei Cercetării, Tineretului și Sportului nr. 4387 106.06.2011**

3. Lista brevetelor de invenție și a altor titluri de proprietate industrială;

-

4. Lista cărților;

Silvia Nicoleta Mirica (2023), Nutriția-noțiuni de bază și diete, Ed. Universitaria, Craiova, ISBN 978-606-14-1941-8

5. Lista capitolelor de cărți;

Autor principal

1. Oana-Ruxandra Stîncel, Mihaela Oravițan, **Nicoleta Mirică** (2021), Monitoring forward head posture in IT professionals – Case Study, New Trends of Fundamental Research in Sport Science From Research to Performance, 9. 217-222, EDITURA UNIVERSITARIA, Craiova, ISBN 978-606-14-1791-9

2 **Silvia Nicoleta Mirica**, Cerasela Domokos, Martin Domokos, Cristian Negrea, Eugen Bota and Adrian Nagel Is covid-19 pandemic period the milestone for a new digitalized era in the case of physical education and sport's educational process?, Dana Rad / Tiberiu Dughî / Roxana Maier / Anca Egerău (eds.) Dana Rad / Tiberiu Dughî / Roxana Maier / Anca Egerău (eds.) Applied Research in Digital Wellbeing Applied Research in Digital Wellbeing, Ed. Peter LAng, Berlin ISBN: 978-3-631-87105-8, p 117-126

- Toți autorii au avut contribuții egale la elaborarea lucrării

3. Bogdan Hrițcu, Cristian Negrea, Cerasela Domokos, Martin Domokos, Eugen Bota, **Silvia Nicoleta Mirica** and Adrian Nagel The inequality of benefits brought by training programs with different number of weekly sessions, Dana Rad / Tiberiu Dughî / Roxana Maier / Anca Egerău (eds.) Dana Rad / Tiberiu Dughî / Roxana Maier / Anca Egerău (eds.) Applied Research in Digital Wellbeing Applied Research in Digital Wellbeing, Ed. Peter LAng, Berlin ISBN: 978-3-631-87105-8, p 209-218

- Toți autorii au avut contribuții egale la elaborarea lucrării

4. Cristian Negrea, **Silvia Nicoleta Mirică**, Cerasela Domokos, Martin Domokos, Eugen Bota and Adrian Nagel Influences on life quality of adults with the help of digital technologies: A

journey from a sedentary life to jogging Dana Rad / Tiberiu Dughi / Roxana Maier / Anca Egerău (eds.) Dana Rad / Tiberiu Dughi / Roxana Maier / Anca Egerău (eds.) Applied Research in Digital Wellbeing Applied Research in Digital Wellbeing, Ed. Peter Lang, Berlin ISBN: 978-3-631-87105-8, p 219-226

- Toți autorii au avut contribuții egale la elaborarea lucrării

Co-autor

1. Hrițcu Bogdan, **Mirica Silvia Nicoleta**, Nagel Adrian, Avram Claudiu, (2021), The role of exercises in the prevention of sarcopenia: A systematic review, *New Trends of Fundamental Research in Sport Science From Research to Performance*, p. 262-267, EDITURA UNIVERSITARIA, Craiova, ISBN 978-606-14-1791-9

2. Nagel A., **Mirica N.**, Bota, E., Domokos . M., *Study on the behavior of West University of Timisoara Students participating in the course of adventure education*, **Education for health and Performance –, Education for Health and Performance- International conference 14-15 Octombrie, 2016, Cluj Napoca, Romania, editors. Ciocoi Pop D. Rares, Boros Balint Iuliana, Editura Risoprint Cluj Napoca, 2016, ISBN : 978-973-53-1886-4**

3. Mihalas, G., Paralescu, S., Andor, M., Lighezan, D., **Mirica, N.**, Muntean, D., Hancu, M., Neagu, A., Neagu, M., Tudor, A., Fira-Mladinescu, O. – Capitolul Capitolul ”*Tempolenses with variable magnification for sonic representation of medical data. Application for cardiac signals*” in volumul **Series Studies in Health Technologies and Informatics.Data and Knowledge for Medical Decision Support** - B. Blobel et al. (Eds.), IOS Press, 2013, E-Book vol.186 (p.78-82) <http://ebooks.iospress.nl/publication/32767>

6. Lista articolelor / studiilor in extenso, publicate în reviste din fluxul științific internațional principal;

Contribuții in extenso de tip article sau review, publicate în reviste indexate în Web of Science (ISI), al căror IF este mai mare sau egal cu p, realizate în calitate de autor principal.

1. **Mirica, S.N.**, Duicu, O.M., 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. (<https://doi.org/10.1139/cjpp-2012-0216>)

F.I.: 1.546 la data apariției, FI pe ultimii 5 ani: 1.743

Link: [Magnesium orotate elicits acute cardioprotection at reperfusion in isolated and in vivo rat hearts \(cdnsiencepub.com\)](http://cdnsiencepub.com)

2. Raducan, A., **Mirica, S.N.**, Duicu, O., Raducan, S., Muntean, D., Fira-Mladinescu, O., Lighezan, R. *Morphological And Functional Aspects Of Sciatic Nerve Regeneration After Crush Injury.* **Rom J Morphol Embryol** 2013, 54(3):735–739 (<http://www.rjme.ro/RJME/jsp/search.do>), **FI la data aparitiei: 0,62, FI pe ultimii 5 ani: 0,771-** (<http://www.rjme.ro/RJME/jsp/aboutus.jsp>)

Link: [541313735739.pdf \(rjme.ro\)](http://www.rjme.ro/541313735739.pdf)

Raducan A. și Mirica S.N. - contribuții egale la elaborarea lucrării

Contribuții in extenso de tip article sau review, publicate în reviste indexate în Web of Science (ISI), al căror IF este mai mare sau egal cu p, realizate în calitate de Co- autor.

3. Stincel O., Oravitan M., Pantea C., Almajan-Guta B., **Mirica N.**, Boncu A., Avram C. (2023) - Assessment of forward head posture and ergonomics in young IT professionals – reasons to worry? *Med Lav* 2023; 114 (1): e2023006 DOI: 10.23749/mdl.v114i1.13600, [Assessment of Forward Head Posture and Ergonomics in Young IT Professionals - Reasons to Worry? - PubMed \(nih.gov\)](#) **FI: 2.244**

4. Danila M.D., Privistirescu A.I., **Mirica S.N.**, Sturza A., Ordodi V., Noveanu L., Duicu O.M., Muntean D.M. Acute Inhibition Of Monoamine Oxidase And Ischemic Preconditioning In Isolated Rat Hearts: Interference With Postischemic Functional Recovery But No Effect On Infarct Size Reduction. *Can J Physiol Pharmacol* 2015; 93(9):819-825. <https://doi.org/10.1139/cjpp-2015-0103> , **F.I.: 1.704 FI pe ultimii 5 ani: 1.743** (<http://www.nrcresearchpress.com/page/cjpp/editors>)

Link> https://cdnsiencepub.com/doi/10.1139/cjpp-2015-0103?url_ver=Z39.88-2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%20%20pubmed

5. Duicu, O., Jușcă, C., Falniță, L., **Mirică, S.**, Maximov, D., Firă-Mladinescu, O., Muntean, D. (2013). *Substrate Specific Impairment Of Mitochondrial Respiration In Permeabilized Fibers From Patients With Coronary Heart Disease Vs. Valvular Disease.* *Mol Cell Biochem* ; 379(1-2):229-234. **F.I.: 2.388**

Link: [Substrate-specific impairment of mitochondrial respiration in permeabilized fibers from patients with coronary heart disease versus valvular disease | SpringerLink](#)

6. Duicu, O.M., **Mirica, S.N.**, Gheorgheosu, D.E., Fira-Mladinescu, O., Muntean, D..M. (2013) *Ageing-Induced Decrease In Cardiac Mitochondrial Function In Healthy Rats.* *Can J Physiol Pharmacol*; 91(8):593-600. **F.I.:1.546**

Link: [Ageing-induced decrease in cardiac mitochondrial function in healthy rats \(cdnsiencepub.com\)](#)

Contribuții in extenso de tip article sau review, publicate în reviste indexate în Web of Science (ISI), al căror IF este mai mic decât p sau în reviste neindexate Web of Science (IF = 0), dar indexate în cel puțin două baze de date internaționale recunoscute, din care în cel puțin una se regăsește în format in extenso (full-text), realizate în calitate de autor principal.

1. Domokos C., Dragomir A., Domokos M., Negrea C., Bota E., **Mirica S.N.**, Nagel A., (2022) *Influence Of Different Types Of Footwear On Sport Performance Characteristics, In Long Distance Running - Case Study,* *Studia Universitatis Babeș-Bolyai Educatio Artis Gymnastica*, Vol. 4, P 83-94 *Studia Universitatis Babeș-Bolyai Educatio Artis Gymnastica*, Vol. 4, P 83-94, DOI: 10.24193/10.24193/subbeag.67(4)

Link: <http://www.studia.ubbcluj.ro/download/pdf/1476.pdf>

***Toti autorii au avut contributi egale**

**** Autor de corespondență**

2. Glazer, Nagel A, Puta T, Dompkos M, reitmeyer H., Nicoara V., Jurjiu N.A, **Mirica S.N** *The influence of altitude training on the manifestation of muscle force in the lower limbs and aerobic endurance on students specializing in ski*, (2022), Timisoara Physical Education & Rehabilitation Journal, 15(28):39-45 DOI 10.2478/tperj-2022-0005

[TPERJ_vol_15_issue_28_art_5.pdf \(uvt.ro\)](#)

3. Domokos C., Domokos M., **Mirica S.N**, Negrea C., Bota E., Nagel A., *Being a student at the Faculty of Sports and Physical Education in COVID-19 Pandemic times - A moment in life*, Timișoara Physical Education and Rehabilitation Journal Volume 13, Issue 24, 2020, p45 -50 DOI: 10.2478/tperj-2020-0007

[TPERJ_vol_13_issue_24_art_7.pdf \(uvt.ro\)](#)

4. DOMOKOS Cerasela, DRAGOMIR Andrei, DOMOKOS Martin, **MIRICA Silvia Nicoleta**, NEGREA Cristian, BOTA Eugen, NAGEL Adrian, *Kinematics analysis of spine and hip for “Danilova”, artistic gymnastics element*, Timișoara Physical Education and Rehabilitation, Decembrie, 2020, Timișoara Physical Education and Rehabilitation Journal Volume 13, Issue 25, 2020 16-22 DOI:10.2478/tperj-2020-0011

[TPERJ_vol_13_issue_25_art_2.pdf \(uvt.ro\)](#)

5. Cristian NEGREA, Alexandru LEPARDA, **Silvia Nicoleta MIRICA** , Martin DOMOKOS, Cerasela DOMOKOS5, Eugen BOTA, Adrian NAGEL, (2019) *The training, nutrition and physical conditioning programme: a challenge for kickboxing athletes to achieve athletic greatness*, TPERJ, Volume 12: Issue: 22,p: 18-25

Link: [V12IS22A3.pdf \(uvt.ro\)](#)

6. Mirica, S. N., Duicu, O. M., Răducan, A. M., Sturza, A., Ordodi, V. L., Fira-Mladinescu, O., Muntean, D.**M.** *Comparable cardioprotection at reperfusion by magnesium orotate and cyclosporin A: A study in isolated rat hearts. Bulletin UASVM* 2010; 67(1):125-130 (<http://journals.usamvcluj.ro/index.php/veterinary/issue/view/155>).

Link: [Vol. 67 No. 1: Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Veterinary Medicine | Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Veterinary Medicine \(usamvcluj.ro\)](#)

7. 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 (<http://www.studiauniversitatis.ro>) **I.F: 0**

Link: [Langendorff perfused heart – the 110 years old experimental model that gets better with age – Studia Universitatis](#)

8. Mirica, N., Ordodi, V., Mitică, S., Duicu, O., Răducan, A., Fira-Mlădinescu, O., Anghel, A., Cristescu, A., Muntean, D. (2008), *Disfuncția mitocondrială indusă de ischemia-reperfuzia miocardică experimentală – modele de studii pe mitocondrii izolate de șobolan. Analele SNBC;*

Contribuții in extenso de tip article sau review, publicate în reviste indexate în Web of Science (ISI), al căror IF este mai mic decât p sau în reviste neindexate Web of Science (IF = 0), indexate în cel puțin două baze de date internaționale recunoscute, realizate în calitate de co-autor

1.Nagel A., **Mirică S.N.**, , Domolos M., Domokos C.,Bota ., Negrea C., (2017) *Journey from academics to employment: labor market insertion of the Fitness and Motor Performance Master Physical Education Faculty of Timisoara West University Alumni 2011-2016- a pilot study*, **Timișoara Physical Education and Rehabilitation Journal** , 10(19): 25-32, DOI:10.1515/tperj-2017-0012 **I.F: 0**

Link: [BV10IS19A5.pdf \(uvt.ro\)](#)

2.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 <http://www.annalsofrscb.ro/archive/index%2014%202.html>

Link: [\(PDF\) Influence of diazoxide on mitochondria isolated from rat hearts subjected to ischemia/reperfusion injury \(researchgate.net\)](#)

3.Sturza, A., Plesa, C., Ordodi, V., Noveanu, L., **Mirica, N.**, Fira-Mlădinescu, O., Lupea A., Muntean, D.. (2011) *Vascular responses of juniperus communis aerosols in aortic rings isolated from rats subjected to passive smoking*. **Annals Of The Romanian Society For Cell Biology**; XVI(2):178-18 <http://www.annalsofrscb.ro/archive/>

Link: [View of MONOAMINE OXIDASE - A INHIBITION REVERSES ENDOTHELIAL DYSFUNCTION IN HYPERTENSIVE RAT AORTIC RINGS \(revmedchir.ro\)](#)

4. 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. , **F.I.=0**

Link; [Experimental study using sciatic static index for the functional assessment of sciatic nerve recovery after standardized crush injury – Studia Universitatis](#)

Indexed in (<http://www.studiauniversitatis.ro>)

5.Muntean D.M., Firă-Mladinescu O., **Mirica N. S.**, Duicu O. M., Trancotă S. L., Sturza A. *Metabolic therapy: cardioprotective effects of orotic acid and its derivatives*. **Biomedical Reviews** 2010; 21:47-55. ISSN 1314-1929

Link: [Metabolic therapy: cardioprotective effects of orotic acid and its derivatives. \(cabdirect.org\)](#)

6.Gheorghiu G., Ordodi V., Henția C., David A., **Mirică N.**, Răducan A., Duicu O., Bedreag O., Păunescu V., Săndesc D., Muntean, D.. *Cardioprotection induced by the anesthetic postconditioning is blunted by high- dose ketamine*. **Central European Journal of Environmental Medicine** 2009; 15(3):267-274.

7. Muntean, D. M., Mirica, N. S., Ordodi, V., Răducan, A. M., Duicu, O., Gheorghiu, G., Henția, C., Fira-Mlădinescu, O., Săndesc, D. *Mitochondria – nouă țintă terapeutică în cardioprotecție. Rev Rom Med Vet* 2008; 1(4): 406-412. ISSN 1843-5270

8. Enache, C., Duicu, O., Savii, C., Mitică, S., Dudas, Z., Dascălu, D., Mirică, N., Lăzărescu A., Muntean D. *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”* p. 126-129

9. Hentia, C., Gheorghiu, G., Ordodi, V., Mirica, N., Raducan, A., Duicu, O., stud David, A., Paunescu, V., Sandesc, D., Muntean, D. *Sevoflurane postconditioning associated cardioprotection is limited by high-dose ketamine in rat hearts in vivo. Revista de Medicina si Farmacie a Facultatii de Medicina si Farmacie Targu Mures* 2009; 55(2):212-214.

10. Gheorghiu, G., Hentia, C., Ordodi, V., Mirica, N., Raducan, A., Duicu, O., stud David, A., Paunescu, V., Sandesc, D., Muntean, D. *Isoflurane pre- and postconditioning associated cardioprotection: interferences with prior anesthetic regimen in the rat heart in vivo. Revista de Medicina si Farmacie a Facultatii de Medicina si Farmacie Targu Mures* 2009; 55(4):274-276.

11. Mitica, S., Ordodi, V., Raducan, A., Duicu, O., Mirica, N., Hancu, M., Paunescu, V., Muntean, D. *Isolation of rat heart mitochondria for in vitro assessment of mitochondrial respiration: Standardization of the experimental model. Revista de Medicina si Farmacie a Facultatii de Medicina si Farmacie Targu Mures* 2009; 55:10-12

12. Duicu, O., Enache, C., Mirica, N., Mitica, S., Dudas, Z., Lazarescu, A., Raducan, A., Fira-Mladinescu, O., Savii, C., Muntean, D. *Influence of diazoxide on mitochondria isolated from rat hearts subjected to ischemia/reperfusion. Annals of the Romanian Society for Cell Biology* 2009; XIV(2):151-156

13. Trancota, S., Mirica, N., Duicu, O., Sturza, A., Ordodi, V., Fira-Mlădinescu, O., Muntean, D. *Modulation of respiratory function of mitochondria isolated during the postischemic reperfusion as cardioprotective strategy. Timisoara Medical Journal* 2010; 2(Suppl):25-29 ISSN 1583-5251

14. Sturza, A., Mirica, N., Duicu, O., Mitica, S., Noveanu, L., Fira-Mladinescu, O., Muntean, D. *Standardization of the in vitro model for studying endothelial dysfunction: the potential role of eNOS inhibitor l-NAME. Acta Medica Marinsiensis* 2010; 56(4):311-313 ISSN 2068-3324

15. Duicu, O., Gheorghiosu, D., Mirica, N., Trancotă, S., Cristina, D., Firă-Mladinescu, O., Muntean, D. *High-resolution respirometry with multiple substrates titration in permeabilized myocardial fibers. Revista Medico-Chirurgicală a Societății Medicilor Naturaliști din Iași* 2012; vol 116(1): 207-213

Link: [High-resolution respirometry with multiple substrates titration in permeabilized myocardial fibers](#) - [PubMed \(nih.gov\)](#) ,

7. Lista publicațiilor in extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate;

1. Domokos C., Dragomir A., **Mirica S.N.**, Domokos M., Negrea C., Bota E., Argesanu V., Nagel A., (2021) The role of spine and hip joint flexibility in free aerial walkover-Danilova – Element Performance, Proceedings of ICU 2021- THE 7th International Conference of Universitaria Consortium in Physical Education Sport and Physiotherapy, Ed. Editografica , Bologna, Italy, ISBN 978-88-87729-73-3, p. 135-140

2. Hritcu B., **Mirica S.N.**, Negrea C., Domokos M., Bota E., Nagel A., Avram C., The importance of sleep quality in running training> A case study, Proceedings of ICU 2021- THE 7th International Conference of Universitaria Consortium in Physical Education Sport and Physiotherapy, Ed. Editografica , Bologna, Italy, ISBN 978-88-87729-73-3, p. 219-224

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