



**Personal information**

First name(s) / Surname(s)

**Danina-Mirela MUNTEAN**

Address(es)

Department of Functional Sciences - Pathophysiology, Faculty of Medicine  
"Victor Babeş" University of Medicine and Pharmacy Timișoara  
2, Eftimie Murgu Sq., Timișoara 300041, Romania

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[daninamuntean@umft.ro](mailto:daninamuntean@umft.ro)

Nationality

Romanian

**Occupational field**

**Work experience**

**Dates**

**February 2014 – to date**

Occupation or position held

Director of Centre for Translational Research & Systems Medicine, Faculty of Medicine  
"Victor Babeş" University of Medicine and Pharmacy Timișoara, RO

Main activities and responsibilities

Coordination of research activity

**Dates**

**October 2009 – December 2019**

Occupation or position held

Chair of Pathophysiology - Department of Functional Sciences, Faculty of Medicine  
"Victor Babeş" University of Medicine and Pharmacy Timișoara, RO

Main activities and responsibilities

Coordination of teaching and research activity

**Dates**

**October 2008 – to date**

Occupation or position held

PhD Coordinator, Department of Functional Sciences - Pathophysiology, Faculty of Medicine

Main activities and responsibilities

Coordination of research activity (18 PhD theses finalized, 10 with *Summa cum laude* distinction)

Type of business or sector

Education/Health/Medicine

**Dates**

**October 2007 – to date**

Occupation or position held

Professor of Pathophysiology, Department of Functional Sciences, Faculty of Medicine

Main activities and responsibilities

Teaching & Research activities

Name and address of employer

"Victor Babeş" University of Medicine and Pharmacy of Timișoara, Romania

Type of business or sector

Education/Health/Medicine

**Dates**

**1991 – 2007**

Occupation or position held

**Associate Professor (2004-2007), Lecturer (1997-2004), Assistant Professor (1993-1997), Teaching Assistant (1991-1993) - Chair of Pathophysiology, Faculty of Medicine**

Main activities and responsibilities

Teaching and Research activities

Name and address of employer

"Victor Babeş" University of Medicine and Pharmacy of Timișoara, Romania

Type of business or sector

Education/Health/Medicine

**Dates**

**June 2000 – to date**

Occupation or position held

Senior Consultant in Internal Medicine

**Dates 1989-2000**

Occupation or position held Internship (1989-1990), Residency in Internal Medicine (1991-1994), Consultant in Internal Medicine (1994-2000)

Main activities and responsibilities Clinical activity

Name and address of employer County Hospital of Timișoara, Romania

Type of business or sector Health

**Education and training****Date December 2017**

Title of qualification awarded **Diploma of Habilitation in Medicine** (Dr. Hab.)

Title of thesis: *"Mitochondria As Therapeutic Target In Translational Research And Drug Repurposing"*

**Dates October 1997 – July 2002**

Title of qualification awarded **Diploma of Doctor of Philosophy in Medicine** (PhD)

Principal subject Title of thesis: *"Myocardial Ischemic Preconditioning and Cardioprotection Against Ischemia/Reperfusion-Induced Arrhythmias"*

Name and type of organisation "Victor Babeș" University of Medicine and Pharmacy of Timișoara, Romania

**Dates October 1996 – September 2001**

Title of qualification awarded Diploma of Pharmacist (Pharm)

Principal subjects/occupational skills Pharmacy / Principal Pharmacist

Name and type of organisation providing education and training "Victor Babeș" University of Medicine and Pharmacy of Timișoara, Romania

Faculty of Pharmacy

**Dates October 1983 – November 1989**

Title of qualification awarded **Emeritus Diploma of Medical Doctor** (Final Grade 10)

Principal subjects/occupational skills covered Medicine / Medical Doctor (MD)

Name and type of organisation providing education and training Institute of Medicine, Timișoara  
Faculty of General Medicine

**Personal skills**

Mother tongue

Other languages

Self-assessment

European level (\*)

**English**

**French**

**Romanian**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient	C1	Proficient	C2	Proficient	C2	Proficient	C1	Proficient
C1	Proficient	C1	Proficient	C1	Proficient	B2	Independent	B2	Independent

(\*) Common European Framework of Reference for Languages

**Professional skills****A. TEACHING ACTIVITY:**

**1. Courses and labs of Pathophysiology** for students at the Faculties of Medicine (RO, EN, FR sections) and Pharmacy (RO, FR) - first-author/co-author of **21 Pathophysiology books** (manuals/practical guides) in RO, EN, FR languages (since 1991 - To date)

**2.** Course within the **Doctoral School** of the university - optional course *"Experimental Models in Translational Research"* (since 2015 - To date)

**3.** Course within the **Master program** - mandatory course *"OTC drugs"* (2015 - 2019)

**4.** Participation in **international academic exchanges:**

**Erasmus teaching mobility** within the *Joint Program for European Medical Studies (JPEMS)* at the Faculty of Medicine, University of Angers, France (27.10 - 3.11.2011) and at the Faculty of Medicine, University of Nantes, France (18.10. - 24.10. 2012).

**5. Coordination of postgraduate courses at the university** (since 2006 - To date) - most recent titles: "Advances in Pathophysiology, Diagnostic Markers and Cardiovascular Risk in Diabetes Mellitus and Chronic Kidney Disease" (18 - 27.03.2021), "Cardiometabolic Diseases and Carcinogenesis - Novel Insights in Pathogenesis, Laboratory Diagnostic and Pharmacotherapy" (4-13.04.2019), "Novel Insights in Diagnostic of the Elderly Diseases" (22.02 - 4.03.2018), "The Diagnostic and Prognostic Role of Biomarkers in Cardio-Metabolic, Renal and Rheumatologic Diseases" (30.03-8.04.2017, 17-28.03.2016, 2-10.04.2015); "Novel Insights Into Laboratory Diagnostic: From New Biomarkers to Algorhythms" (6-15.06.2014); „Oxidative Stress in Cardiovascular Pathology: Assessment & Clinical Implications" (19-28.05.2011); „Laboratory Diagnostic and Monitoring in Cardiovascular Diseases" (07-17.04.2011)

**B. RESEARCH ACTIVITY: coordination, management & evaluation of research projects, organization of scientific meetings/postgraduate lectures**

**Scientific Data:**

*h Index*: 17 (WOS); 20 (Scopus); 23 (Google Scholar)

ORCID: 0000-0001-6186-5321

<http://www.researcherid.com/rid/G-3138-2016>

**I. Director of the Centre for Translational Research & Systems Medicine** (2014 - To date) - founded it in 2014 & ranked as Centre for Advanced Research of the university since 2020:

**Main achievements:**

- foundation of the Laboratory for Cellular Biology and Experimental Electrophysiology (2013)
- foundation of the Laboratory for Confocal Microscopy (2012)
- upgrade of the Laboratory for *In Vitro* and *In Vivo* Experimental Studies (2010)
- foundation of the Laboratory for Mitochondria Studies (2008)

**Research domains:**

- ✓ Strategies of cardiovascular, metabolic and renal protection on animal models and in humans: translational studies tackling the central role of mitochondria
- ✓ Mitochondria dysfunction in cardiometabolic disease, ageing and cancer: from mechanisms to novel therapeutic targets
- ✓ Endothelial dysfunction: etiopathogenesis and novel therapeutic approaches
- ✓ Assessment and combating oxidative stress in pathology: focus on monoamine oxidase (MAO)
- ✓ Evaluation of the effects of phytochemical compounds on mitochondria function

Author/coauthor of 4 monographs in the field of basic and translational research.

**II. Participation in International/National Research Projects (25):**

**a. INTERNATIONAL PROJECTS (10):**

**Project coordinator (2):**

1. Hungary-Romania Cross-Border Co-operation (CBC) Programme 2007-2013 "Twinning Project for the Development of the Research Infrastructure – HURO-TWIN", project no. 1101/082/2.2.1, 2013-2015
2. Romanian-Hungarian Bilateral Cooperation "Implementation of a Regional Training Network in Experimental Cardiology – CARDIO-REG", Category: Romanian – Hungarian Joint Projects in S&T, code RO 24/2007 ID RO 17/2007, contract nr. 55/2008, 2008-2009

**Project member (8):**

1. Hungary-Romania CBC Programme 2007-2013 "Development of the infrastructure for a pole of excellence in cardiovascular research – HURO-CARDIO-POL", project no. HURO/0802/011\_AF, 2010-2012 – Contact person
2. Hungary-Romania CBC 2007-2013 "Implementation of a regional project for translational medical research concerning diseases with high impact in population – HURO-TRANSMED, project no. HURO/0901/137/2.2.2, 2011-2012 – Assistant-Manager
3. European project COST (COoperation in the field of Scientific and Technical Research) – Action "Realising the therapeutic potential of novel cardioprotective therapies" – EU-CARDIOPROTECTION", code CA16225, 2017-2022 – Member in the Management Committee for RO
4. European project COST – Action "Mitochondrial Fitness Mapping - Evolution-Age-Gender-Lifestyle-Environment – MITOEGLE", code CA15203, 2016-2021 – Member in the Management Committee for RO
5. European project COST – Action "The Network for the Biology of Zinc – ZINC NET",

- code TD1304, 2013-2017 – Member in the Management Committee for RO
6. **European project COST – Action “European Network on Gasotransmitters – ENOG”**, code BM1005, 2011-2015 – Member in the Management Committee for RO
  7. **European project COST – Action „Hypoxia Sensing, Signaling and Adaptation - HYPOXIA NET”**, code TD0901, 2010-2013 – Substitute Member in the Management Committee for RO
  8. **European project COST, Action “Bioactive Food Components, Mitochondria Function and Health” – MITOFOOD**, code FA0602, 2007-2011 – Member in the Management Committee for RO

**b. NATIONAL PROJECTS (15):**

**Project coordinator (4):**

1. **National Association for Scientific Research (NASR) Project “Cardioprotective Strategies at Reperfusion: Mitochondria as Multiple Therapeutic Target – CARDIO-MITO-PROT”** category: Complex Partnerships II, code 2560/2008, contract nr. 42 122/2008, 2008-2011
2. **National University Research Council (NURC) Project “Integrative Role of Mitochondria in Cardioprotection Induced by Myocardial Experimental Ischemia/Reperfusion”**, category: A, code CNCSIS 752/2006, 2006-2008
3. **Romanian Academy Grant “In vitro Studies Concerning the Respiratory Function of Mitochondria Subpopulations Isolated from the Mammalian Myocardium”**, contracts nr. 152/2007 and 148/2008, 2006-2008
4. **Mobility Project for Researchers within the National Program for Research & Development II, category Human Resources**, code CNCSIS 54/2008, participation at *The XXVIII European Section Meeting of The International Society For Heart Research (ISHR-ES)*, Athens, Greece, 27 May - 3<sup>rd</sup> June 2008

**Project partner coordinator (1):**

1. **Sectoral Operational Human Resources Development (SOP HRD) Program 2007-2013** Project financed from the European Social Fund and by the Romanian Government **“Careers of Excellence in Research & Knowledge Based Society By Financing PhD Studies in Universities – EXCEL-FIN”**, contract number POSDRU/107/1.5/S/82839, 2009 -2013

**Project member (10):**

1. **University Internal Grant for Experienced Researchers “Translational Innovative Study From Basic Research To Clinical Applicability: Mitochondrial Dysfunction and Inflammation in Diabetic Kidney Disease”** - code 6EXP/1320/2020,2020 - 2023
2. **Romanian-French Bilateral Cooperation “Novel Insights in Vascular Protection Mediated By Purinergic Signaling – PUR-VASC-PROTECT”**, code 75 BM/2017, 2017 - 2018
3. **University Internal Grant within the Program Partnerships in Innovative Basic Research “Role of Vitamin D in Modulating The Vascular and Mitochondrial Function in Animal and Human Adipose Tissue – VASC-ADIPO-MIT”**, code PIII-C5-PCFI-2017/2018-01, 2017 - 2018
4. **National Association for Scientific Research (NASR), Exploratory Research Project “Assessment of Cardioprotective Effects of ATP-Dependent Potassium Channels Modulators”**, code PNII-ID-PCE-2012-4-0512, 2012 - 2016
5. **University Internal Grant within the Program Partnerships in Innovative Basic Research “Contribution of Monoamine Oxidases- Related Oxidative Stress To the Cardiovascular Dysfunction and Prognostic of Coronary Patients With and Without Diabetes Mellitus – MAO-CARDIO-SOX”**, code PIII-C1-PCFI-2014/2015-04, 2014 - 2015
6. **National Association for Scientific Research (NASR) Project “New strategies in the management of the organ donor: the optimization of the heart and kidney prelevation protocol by pharmacological preconditioning with anesthetics – TRANACONDA”**, code 2463/2008, contract nr. 62 066/2008, 2008 - 2011
7. **National University Research Council (NURC) Project “Volatile anaesthetics induced cardioprotection: new insights in the intracellular signaling in myocardial pre- and postconditioning – CARDIO-PROTECT-ANEST”**, category Ideas – Complex Research Projects , code ID\_1254/2007, 2007 - 2010
8. **Research of Excellence Project of Partnership in Research and Development “Novel methods for inducing non-self phenotypes immune tolerance to prevent post transplantation graft rejection - GREFACCEPT”**, category CEEX P-CD, code 194/2006, “Victor Babes” University of Medicine ad Pharmacy – coordinator, 2006 - 2009
9. **Research of Excellence Project of Partnership in Research and Development, “Computational optimization of diagnosis, surgical interventions and prognosis of**

**cardiovascular diseases – CARDIOCOMP**, category CEEX type P-CD, code 81/2006, "Victor Babes" University of Medicine and Pharmacy – partner, 2006 - 2009

10. **National University Research Council (NURC) Project "The impact of the functional foods containing bioactive components over the quality of life in breast cancer"**, category NURC type A code 275/2005, 2005 - 2007

**c. POSTDOCTORAL GRANTS:**

- **NATO-CNR (Consiglio Nazionale delle Ricerche) Rome, Italy Senior Outreach Fellowship** in Life Sciences for Eastern Europe, code 217.36 S/12.05.2004 (won by competition, 1st place - with 27/30 points) in the field of *Mitochondria Involvement in Cellular Death Induced by Myocardial Experimental Ischemia/Reperfusion*, May-July 2005, Department of Biological Chemistry, University of Padova, Italy

- **Hospices Civils de Lyon, postdoctoral fellowship** in the field of *Cardioprotection by Ischemic and Anesthetic Preconditioning*, October 2002-July 2003, INSERM Unit 0226 Cardioprotection, Claude Bernard University, Lyon, France

**Organizational / Management skills**

**III. Participation in Evaluation Activities of International/National Research Projects:**

**1. Expert Referee for international funding agencies:**

- **Health and Medical Research Fund (HMRF) from the Government of Hong-Kong Special Administrative Region (HKSAR)** – 2018, 2017, 2014
- **Scientific Grant Agency of the Ministry of Education of the Slovak Republic and of the Slovak Academy of Sciences (VEGA)** – 2015, 2011
- **National Research, Development and Innovation Office (NKFIH) Hungary** – 2016
- **Hungarian Scientific Research Fund (OTKA)** – 2013

**2. Expert Referee of the Romanian Agency for Quality Assurance in Higher Education (ARACIS), Commission 12 "Medical Sciences" (2011 – 2018)**

**3. Expert Referee for the National University Research Council (NURC) of Romania - Commission 6 "Medical Sciences" (2008 - 2010)**

**4. Expert Referee for NURC (2004 – 2010) and CEEX (2005 – 2006) - project competitions**

**IV. Organization of Scientific International & National Meetings (most relevant):**

**International Meetings:**

Chairman of:

- The Conference & Advanced Research Workshop „*Sudden Cardiac Death & Cardioprotection*” organized under the patronage of International Academy of Cardiovascular Sciences (IACS), September 6-9, 2012, Timișoara, Romania

Co-chairman of:

- The Workshop "*Mitochondrial Research: From Organelle to Patient*" within The 49<sup>th</sup> Annual Scientific Meeting of the European Society for Clinical Investigation, May 27-30, 2015, Cluj-Napoca, RO;

Member in the Scientific/Organizing Committees of:

- The 6<sup>th</sup> Meeting of European Section & 7<sup>th</sup> Meeting of North American Section of the International Academy of Cardiovascular Sciences (IACS) "*Cardiometabolic Diseases: How New Research May Lead To New Cardioprotective Therapy*", September 11-14, 2019, Vrnjacka Banja, Serbia;

- The 5<sup>th</sup> European Section Meeting of the International Academy of Cardiovascular Sciences (IACS-ES) "*Advances in Cardiovascular Research - From Basic Mechanisms To Therapeutic Strategies*", May 23-26, 2018, Bratislava, Slovakia;

- The IV<sup>th</sup> Congress of Physiological Sciences of Serbia with international participation, September 19-23, 2018, Faculty of Medicine, Nis, Serbia;

- The 13<sup>th</sup> Meeting *New Frontiers In Basic Cardiovascular Research*, November 11-14, 2018, Prague, Czech Republic;

- The 3<sup>rd</sup> Congress of Physiological Sciences of Serbia with international participation, October 29-31, 2014, Belgrade, Serbia.

**National Meetings:**

Member in the Scientific/Organizing Committees of:

- The 11<sup>th</sup> National Conference of Pathophysiology, September 4-7, 2019, Târgu Mureș, RO;

- The 10<sup>th</sup> National Conference of Pathophysiology, September 6-9, 2017, Cluj-Napoca, RO;

- The National Congress of Pathophysiology, May 7-10, 2015, Iasi, RO;

- The 5<sup>th</sup> International Congress & the 31<sup>th</sup> Annual Scientific Session of Romanian Society of Cell Biology, June 5-9, 2013, Timișoara, RO.

Chairman of:

- Advanced Research Workshop "*Translational Research in Mitochondria Disease - From Molecule To Man*", 16 October 2015, Timișoara, RO
- Conference and Translational Research Workshop „*Chronic Diseases: From Pathogenesis to Therapy*”, 25-27 October 2012, Timișoara, RO

Co-Chairman of:

- Conference & Workshop “*Basic Research Techniques in Cardiology*” & *How To Do Sessions*, July 6-7, 2009, Timișoara, RO
- The 6th National Conference of the Romanian Society of Pathophysiology jointly held with the First International Workshop „*Cardioprotection in Ischemia/Reperfusion Injury: Where Do We Stand in 2007?*”, October 4-6, 2007, Timișoara, RO

**V. Invited speaker at international meetings (selection):** The 6<sup>th</sup> Meeting of European Section & 7<sup>th</sup> Meeting of North American Section of the International Academy of Cardiovascular Sciences “*Cardiometabolic Diseases: How New Research May Lead To New Cardioprotective Therapy*”, 11-14 September, 2019, Vrnjacka Banja, Serbia, *The 5<sup>th</sup> European Section Meeting of the International Academy of Cardiovascular Sciences (IACS-ES) “Advances in Cardiovascular Research - from basic mechanisms to therapeutic strategies”*, Smolenice Castle - Congress center of the Slovak Academy of Sciences - 23-26 May 2018, Bratislava, Slovakia; *The IV<sup>th</sup> Congress of Physiological Sciences of Serbia* with international participation, 19-23 September 2018, Faculty of Medicine, Nis, Serbia; The 13<sup>th</sup> Meeting *New Frontiers In Basic Cardiovascular Research*, 11-14 November, 2018, Prague, Czech Republic; *The 3<sup>rd</sup> Meeting of the International Academy for Cardiovascular Sciences-European Section*, 1-4 October 2017, Marseille, France; *The 2<sup>nd</sup> European Section Meeting of the International Academy for Cardiovascular Sciences*, 8-11 October 2015, Belgrade, Serbia; *The 2<sup>nd</sup> Cardiovascular Forum for Promoting Centers of Excellence* organized by International Academy of Cardiovascular Sciences, 4-6 September 2014, Winnipeg, Canada; *The 1<sup>st</sup> European Section Meeting of the International Academy for Cardiovascular Sciences-European Section*, 8-11 October 2014, Balatongyörök, Hungary; *The 3<sup>rd</sup> Congress of Physiological Sciences of Serbia*, 29-31 October 2014, Belgrade, Serbia; *The VII<sup>th</sup> International Symposium on Myocardial Cytoprotection – ISMC 2013*, 26-28 September 2013, Pécs, Hungary; The International Symposium “*Advances in Cardiovascular Research - From Bench to Bedside*” organized by the Slovak Academy of Sciences, 23-26 May 2013, Smolenice, Slovakia; *Nobel Meeting on the occasion of 75<sup>th</sup> Anniversary of Albert Szent-György’s Nobel Prize Award*, 22-25 March 2012, Szeged, Hungary; The Annual Meeting of the Annual Congress of the Hungarian Society of Cardiology, 5-8 May 2010, Balatonfüred, Hungary.

## VI. Prizes

- ✓ **Prize for excellence in teaching activity within the Faculty of Medicine of the university** – 2015
- ✓ **Prizes (national/international) of mentored undergrad. students/PhD students/postdocs** > 50

## Academic activities

I. Academic activities/titles: Member of the University Senate (since 2012 - to date), *Rector’s Counselor for Scientific research* (2020-to date), *President of the Senate Commission for Revision of University Charter and Regulations* (2016-to date), *President of the Senate Commission for University Studies and Academic Evaluation* (2012-2016); Member of the Scientific Council of the University (2008-2012); Referee in *Commissions for Habilitation degree* (since 2015 - to date), Referee in *Doctoral Commissions* (since 2008 - to date), Referee in *Commissions for promotion/employment in academic positions* in the University (since 2002-to date), Referee in *Commissions for Student Admission at the Faculty of Medicine* of the University (1996 - 2000).

## II. Peer-review activity:

- Academic Editor for *Oxidative Medicine & Cellular Longevity*
- Section Editor for *Archives of Medical Science - Atherosclerotic Diseases*
- Member in the Editorial Board of *Serbian Journal of Experimental and Clinical Research*
- Member in the Editorial Board of *Molecular and Cellular Biochemistry*
- Member in the Editorial Board of *Timișoara Medical Journal*
- Reviewer for: *International Journal of Molecular Sciences, Atherosclerosis & Vascular Thrombosis, Clinical & Experimental Pharmacology and Physiology, Canadian Journal of Physiology and Pharmacology, Archives of Medical Sciences, Journal of Natural Products, Phytotherapy Research, Current Medicinal Chemistry, PLOS One, Journal of Biomedical Science and Engineering, General Physiology and Biophysics, Oxidative Medicine and Longevity, International Journal of Urology & Nephrology, DOVE, Medicina, Planta Medica, European Journal of Medicinal Plants, Chinese Journal of Physiology, BMC Pharmacology and Toxicology, Romanian Journal of Laboratory Medicine, Romanian Journal of Cardiology.*

### III. Affiliation to Professional Societies:

#### International Societies:

International Academy of Cardiovascular Sciences (IACS) - Vice-President of the European Section  
International Society for Heart Research (ISHR)  
Mitochondria Physiology Society (MiP)

#### National Societies:

Romanian Society of Pathophysiology - General Secretary 2005 - 2007 and 2012 - 2015, Vice-President 2016 - to date

Romanian Society of Physiological Sciences affiliated to FEPS (Federation of European Physiology Societies) and IUPS (International Union of Physiology Societies)

Romanian Society of Cardiology - Founding member of the *Working Group for Experimental Cardiology* within the Romanian Society of Cardiology (since 2019).

#### Other skills/competences

- **Certificate of Complementary Studies in the Management of Health Services** (2014)
- **Competences in operating a computer**, using applications such as word processing packages, spreadsheets and databases (Word, Excel, PowerPoint) and statistics software (GraphPad)

#### Driver licence category B

Prof. MUNTEAN Mirela-Danina, MD, PhD, Dr Hab

Timișoara, 19<sup>th</sup> of February, 2022

## LIST OF PUBLICATIONS AS MAIN AUTHOR

No.	Paper (authors, title, journal)	IF
1.	Lelcu T, Bîcă A, Dănilă MD, Popoiu C, Aburel OM, Arghirescu ST; Borza C, <b>Muntean DM</b> . Assessment of platelet mitochondrial respiration in a pediatric population: <i>A pilot study in healthy children and children with acute lymphoblastic leukemia</i> . <b>Children (Basel)</b> 2021 Dec 17;8(12):1196. doi: 10.3390/children8121196	2.863
2.	Savencu CE, Lința A, Farcaș G, Bîcă AM, Crețu OM, Malița DC, <b>Muntean DM</b> , Sturza A. <i>Impact of Dietary Restriction Regimens on Mitochondria, Heart and Endothelial Function – A Brief Overview</i> . <b>Front Physiology</b> . 2021 12:768383. doi: <a href="https://doi.org/10.3389/fphys.2021.768383">10.3389/fphys.2021.768383</a> (correspond. author)	4.556
3.	Beșiu AM, Chamkha I, Gustafsson E, Meijer E, Avram VF, Åsander Frostner E, Ehinger JK, Petrescu L, <b>Muntean DM</b> , Elmér E. Cell-Permeable Succinate Rescues Mitochondrial Respiration in Cellular Models of Amiodarone Toxicity. <i>Int J Mol Sci</i> . 2021 Oct 29;22(21):11786. doi: 10.3390/ijms222111786. (corresp. author)	5.923
4.	Ionică LN, Gaiță L, Bîcă AM, Șoșdean, Lighezan R, Sima A, Malița D, Crețu OM, Burlacu O, <b>Muntean DM</b> , Sturza A. <i>Metformin alleviates monoamine oxidase-related vascular oxidative stress and endothelial dysfunction in rats with diet-induced obesity</i> . <b>Mol Cell Biochem</b> 03 July 2021 doi.org/10.1007/s11010-021-04194-2 (correspond. author)	2.795
5.	Coricovac D., Dehelean C.A., Pînzaru I., Mioc A., Aburel O.M., Macașoi I., Draghici G.A., Petean C., Șoica C.M., Boruga M., Vlaicu B., <b>Muntean M.D.</b> Assessment of Betulinic Acid Cytotoxicity and Mitochondrial Metabolism Impairment in a Human Melanoma Cell Line. <i>Int J Mol Sci</i> 2021;22(9), 4870; <a href="https://doi.org/10.3390/ijms22094870">https://doi.org/10.3390/ijms22094870</a>	4.556
6.	Avram VF, Bîcă AM, Sima A, Aburel OM, Sturza A, Burlacu O, Timar RZ, <b>Muntean DM</b> , Elmér E, Crețu OM. Improvement of Platelet Respiration by Cell-Permeable Succinate in Diabetic Patients Treated with Statins. <b>Life (Basel)</b> 2021; 11(4): 288 doi.org/10.3390/life11040288 (correspond. author)	2.991
7.	Aburel OM, Pavel IZ, Maria D. Dănilă MD, Lelcu T, Roi A, Lighezan R, <b>Muntean DM</b> , Rusu LC. <i>Pleiotropic Effects of Eugenol: The Good, the Bad, and the Unknown</i> . <b>Oxid Med Cell Longev</b> . 2021, Article ID 3165159, doi.org/10.1155/2021/3165159 (correspond. author)	5.076
8.	Avram V, Chamka I, Åsander-Frostner E, Ehinger JK, Timar RZ, Hansson MJ, <b>Muntean DM</b> , Elmér E. <i>Cell-Permeable Succinate Rescues Mitochondrial Respiration in Cellular Models of Statin Toxicity</i> . <i>Int J Mol Sci</i> 2021; 22(1): 424, doi.org/10.3390/ijms22010424 (correspond. author)	4.556
9.	Dănilă MD, Piollet M, Aburel OM, Angoulvant D, Lefort C, Chadet S, Roger S, Muntean MD, Ivanec F. <i>Modulation of P2Y11-related purinergic signaling in inflammation and cardio-metabolic diseases</i> . <b>Eur J Pharmacol</b> . 2020 Jun 5;876:173060. doi: 10.1016/j.ejphar.2020.173060 (correspond. author)	3.263
10.	Ionică M, Aburel OM, Vaduva A, Petrus A, Rațiu S, Olariu S, Sturza A, <b>Muntean DM</b> . <i>Vitamin D Alleviates Oxidative Stress In Adipose Tissue And Mesenteric Vessels From Obese Patients With Subclinical Inflammation</i> . <b>Can J Physiol Pharmacol</b> . 2020; 98(2): 85-92 doi: 10.1139/Cjpp-2019-0340.	1.946
11.	Duca A, Sturza A, Moacă EA, Negrea M, Lalescu VD, Lungeanu D, Dehelean CA, <b>Muntean DM</b> , Alexa E. <i>Identification Of Resveratrol As Bioactive Compound Of Propolis From Western Romania And Characterization Of Phenolic Profile And Antioxidant Activity Of Ethanolic Extracts</i> . <b>Molecules</b> . 2019 16;24(18). Pii: E3368. doi: 10.3390/Molecules24183368. (correspond. author)	3.06
12.	Sturza A, Popoiu MC, Ionică M, Duicu OM, Olariu S, <b>Muntean DM</b> , Boia ES. <i>Monoamine Oxidase-Related Vascular Oxidative Stress in Diseases Associated with Inflammatory Burden</i> . <b>Oxid Med Cell Longev</b> . 2019, Article ID 8954201. doi: 10.1155/2019/8954201. (correspond. author)	4.868
13.	Petruș AT, Lighezan DL, Dănilă MD, Duicu OM, Sturza A, <b>Muntean DM</b> , Ioniță I. <i>Assessment of platelet respiration as emerging biomarker of disease</i> . <b>Physiol Res</b> . 2019; 30;68(3):347-363. (correspond. author)	1.701
14.	Sturza A, Olariu S, Ionică M, Duicu OM, Vaduva A, Boia E, <b>Muntean DM</b> , Popoiu C. <i>Monoamine oxidase is a source of oxidative stress in obese patients with chronic inflammation</i> . <b>Can J Physiol Pharmacol</b> . 2019;97(9):844-849. doi: 10.1139/cjpp-2019-0028. (correspond. author)	1.946
15.	Duca A., Alexa E., Dehelean C.A., Șoica C., Danciu C., Popescu I., Cocan I., Lalescu D., <b>Muntean DM</b> . <i>Assessment of lipid profile of eight propolis samples from Western Romania</i> . <b>Farmacia</b> 2019; 67:1. doi.org/10.31925/farmacia.2019.1.17	1.527
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