



**Personal information**

First name(s) / Surname(s)

**Danina-Mirela MUNTEAN**

Address(es)

Department of Functional Sciences – Pathophysiology, Faculty of Medicine  
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Nationality

Romanian

**Occupational field**

**Work experience**

**Dates**

**February 2014 – to date**

Occupation or position held

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

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 of Timișoara, Romania

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 (21 PhD theses finalized, 12 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

**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

**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 and private Policlinic 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 Romanian  
Other languages  
Self-assessment  
European level (\*)

**English**

**French**

Romanian

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

(\*) Common European Framework of Reference for Languages

**Professional skills**

**A. TEACHING ACTIVITY:**

- Lectures and labs of Pathophysiology** - first-author/co-author of > 25 Pathophysiology books (manuals/practical guides) in RO, EN, FR languages
- Lectures within the **Doctoral School** of the university - optional course "Experimental Models in Translational Research" (2016 - 2022); compulsory course "Experimental Models in Research" (2022-2023)
- Lectures within a **Master program** at the Faculty of Pharmacy - compulsory course "OTC drugs, dietary supplements and cosmetics" (2015 - 2019)
- Coordination of postgraduate courses** (since 2006 - to date) - selection:  
"Updates in Laboratory and Exploratory Diagnostic: From Biomarkers To Algorithms" (2-12.02.2022),  
"Advances in the Pathophysiology, Diagnostic Markers and Cardiovascular Risk Assessment in

*Diabetes Mellitus and Chronic Kidney Disease*" (18-27.03.2021), "*Vascular and Mitochondrial Dysfunction in Chronic Pathology and Senescence: Pathomechanisms, Diagnostic and Therapeutic Perspectives*" (26.03 - 4.04.2020), "*Cardiometabolic Diseases and Carcinogenesis - Novel Insights in Pathogenesis, Laboratory Diagnostic and Pharmacotherapy*" (4-13.04.2019), "*Novel Insights into the Diagnostic of the Elderly Diseases*" (22.02 - 4.03.2018), "*The Diagnostic and Prognostic Role of Biomarkers in Cardio-Metabolic, Renal and Rheumatic Diseases*" (30.03-8.04.2017, 17-28.03.2016, 2-10.04.2015)

**5. 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).

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

**Scientific Data:**

*h Index*: 21 (WOS); 23 (Scopus); 27 (Google Scholar)

Publications in journals with IF: > 60 papers (as main author) and > 30 papers (as co-author) in the past 10 years

Cumulative IF as main author > 125

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 Center 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:**

- ✓ Mitochondrial dysfunction in cardiometabolic disease, ageing and carcinogenesis: from pathomechanisms to novel therapeutic targets
- ✓ Endothelial dysfunction: etiopathogenesis and novel therapeutic approaches
- ✓ Assessment and mitigation of monoamine oxidase (MAO)-related oxidative stress in pathology
- ✓ Strategies of cardiovascular, metabolic and renal protection in animal models and in humans: translational studies addressing the central role of mitochondria
- ✓ Evaluation of the effects of phytochemical compounds on mitochondria

**International cooperation in the research activity with:**

Prof. Eskil Elmér, Director of the Mitochondrial Medicine Research Unit, Lund University, Sweden; Prof. Denis Angoulvant, Head of Cardiology department at Tours University Hospital, Hôpital Trousseau, Deputy Director of INSERM Research Unit EA4245, Tours, Vice-Dean with Medical Pedagogy at the Faculty of Medicine, University of Tours, France; Prof. Mariana Rosca, Chair of Foundational Sciences Discipline at Central Michigan University College of Medicine, USA; Prof. René Csuk, Director of the Department of Organic Chemistry, Martin Luther University Halle-Wittenberg, Halle, Germany; Prof. Istvan Baczko, Director of Department of Pharmacology and Pharmacotherapy, Faculty of Medicine, University of Szeged, Hungary; Prof. Peter Ferdinandy, Director of the Department of Pharmacology and Pharmacotherapy of the Faculty of Medicine, Vice-Rector for Scientific Research at Semmelweis University, Budapest, Hungary; Prof. Ralf P. Brandes, Director of the Institute of Cardiovascular Physiology, Goethe University, Frankfurt, Germany; Prof. Bernhard Brüne, Director of the Institute of Biochemistry I - Pathobiochemistry of the Faculty of Medicine, Goethe University, Frankfurt, Germany.

**Organizational / Management skills**

**II. Participation in International/National Research Projects & Grants (31):**

**A. INTERNATIONAL PROJECTS (11):**

**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

**Project member (9):**

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 „**EUropean network to tackle METAbolic alterations in HEART failure – EU-METAHEART**", code CA22169, 2023-2027 – Member in the Management Committee for RO
4. European project COST – Action "**Realising the therapeutic potential of novel cardioprotective therapies**" – **EU-CARDIOPROTECTION**", code CA16225, 2017-2022 and its continuation COST Innovation Grant, code CIG CA16225, 2022-2023 – Member in the Management Committee for RO
5. European project COST – Action "**Mitochondrial Fitness Mapping - Evolution-Age-Gender-Lifestyle-Environment – MITOEAGLE**", code CA15203, 2016-2021 – Member in the Management Committee for RO
6. European project COST – Action "**The Network for the Biology of Zinc – ZINC NET**", code TD1304, 2013-2017 – Member in the Management Committee for RO
7. European project COST – Action "**European Network on Gasotransmitters – ENOG**", code BM1005, 2011-2015 – Member in the Management Committee for RO
8. European project COST – Action „**Hypoxia Sensing, Signaling and Adaptation - HYPOXIA NET**", code TD0901, 2010-2013 – Substitute Member in the Management Committee for RO
9. 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 (18):**

**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):**

- ✓ 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 (13):**

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. Romanian-French Bilateral Cooperation "*Novel Insights in Vascular Protection Mediated By Purinergic Signaling – PUR-VASC-PROTECT*", code 75 BM/2017, 2017 - 2018
6. 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
7. 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
8. 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
9. National Association for Scientific Research (NASR) Project "*New strategies in the management of the organ donor: optimization of heart prelevation protocol by pharmacological preconditioning with anesthetics – TRANACONDA*", code 2463/2008, 2008 - 2011
10. 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
11. 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, 2006 - 2009
12. Research of Excellence Project of Partnership in Research and Development, "*Computational optimization of diagnosis, surgical interventions and prognosis of cardiovascular diseases – CARDIOCOMP*", category CEEX P-CD, code 81/2006, 2006 - 2009
13. 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 (2):

- 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 – Supervisor, Prof. Fabio Di Lisa

- 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 – Supervisor, Prof. Michel Ovize

#### 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)* – member of Commission 12 "*Medical Sciences*" (2011 – 2018)
3. Expert Referee for the *National University Research Council (NURC) of Romania* – member of Commission 6 "*Medical Sciences*" (2008 - 2010)
4. Expert Referee for NURC (2004 – 2010) and CEEX (2005 – 2006) – projects assessment

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

##### International Meetings:

Chairman of the:

- ✓ 9<sup>th</sup> European Section Meeting of the International Academy of Cardiovascular Sciences, October 4-7, 2023, Timișoara, Romania

- ✓ Advanced Research Workshop "Translational Research in Mitochondria Disease - From Molecule To Man", 16 October 2015, Timișoara, Romania
- ✓ Conference & Advanced Research Workshop „Sudden Cardiac Death & Cardioprotection” organized under the patronage of the International Academy of Cardiovascular Sciences (IACS), September 6-9, 2012, Timișoara, Romania

Co-chairman of the:

- ✓ Webinar *International Cooperation in Research at "Victor Babeș" University of Medicine and Pharmacy - "Pathophysiology at the Heart of Medicine"*, December, 9-10, 2021 (on-line)
- ✓ 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, Romania

Member in the Scientific/Organizing Committees of the:

- ✓ 9<sup>th</sup> International Congress of Pathophysiology, July 4-7, 2023, Belgrade, Serbia
- ✓ 8<sup>th</sup> European Section Meeting of the International Academy of Cardiovascular Sciences, September 28 – October 1, 2022 Szeged, Hungary
- ✓ 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", September 11-14, 2019, Vrnjacka Banja, Serbia
- ✓ 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
- ✓ IV<sup>th</sup> Congress of Physiological Sciences of Serbia with international participation, September 19-23, 2018, Faculty of Medicine, Nis, Serbia
- ✓ 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, Romania
- 10<sup>th</sup> National Conference of Pathophysiology, September 6-9, 2017, Cluj-Napoca, Romania
- National Congress of Pathophysiology, May 7-10, 2015, Iasi, Romania
- 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, Romania

Chairman of the:

- 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

#### Academic activities

##### I. Academic activities/titles:

- Rector's Counselor for *Scientific Research* (2020-to date)
- President of the *Central Commission for the Graduation Exam* of the university (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 *University Senate* (since 2012 - to date, and re-election for the mandate 2024 - 2029)
- 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 in academic positions* in the University (2002 - to date)
- Referee in *Commissions for Student Admission at the Faculty of Medicine* (1996 - 2000).

##### II. Peer-review activity:

- **Associate Editor:** *Molecular and Cellular Biochemistry*; **Member in the Editorial Board:** *Experimental and Applied Biomedical Research*, *Timișoara Medical Journal*, *Education and Research in Health Sciences*; **Ad-hoc Reviewer** for: *Atherosclerosis & Vascular Thrombosis*, *Molecular and Cellular Biochemistry*, *Clinical & Experimental Pharmacology and Physiology*, *Canadian Journal of Physiology and Pharmacology*, *Archives of Medical Sciences*, *International Journal of Molecular 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, Medicina, BMC Pharmacology and Toxicology, Romanian Journal of Laboratory Medicine, Romanian Journal of Cardiology.*

## **II. International & National Recognition/Prizes**

- ✓ **IACS Lifetime Achievement Award** offered by the **International Academy of Cardiovascular Sciences (IACS)** at the conference The 9<sup>th</sup> European Section Meeting of the International Academy of Cardiovascular Sciences (IACS-ES), 4–7 October 2023, Timișoara, Romania
- ✓ **Prize for excellence in teaching activity at the Faculty of Medicine of the university – 2015**
- ✓ **Prizes at national and international meetings of the mentored undergraduate students/PhD students/postdocs > 55 (2009 – to date)**

## **Other skills/competences**

### **I. Affiliation to Professional Societies:**

#### **International Societies:**

International Academy of Cardiovascular Sciences - European Section (IACS-ES) - Vice-President  
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 Cardiology - Founding member of the *Working Group for Experimental Cardiology* within the Romanian Society of Cardiology (in 2019).

### **II. Certificate of Complementary Studies in the Management of Health Services (2014)**

**III. Competences in operating a computer**, using applications such as word processing packages, spreadsheets and databases (Word, Excel, PowerPoint) and statistics software (GraphPad)

**Prof. Muntean M. Danina, MD, PhD, Dr.Hab**

Timisoara, January 21, 2024

## LIST OF ISI PUBLICATIONS AS MAIN AUTHOR (Past 10 years)

No.	Paper (authors, title, journal)	IF
1.	Bețiu AM, Lighezan R, Avram VF, <b>Muntean DM</b> , Elmér E, Petrescu L. <i>Dose-dependent effects of acetaminophen and ibuprofen on mitochondrial respiration of human platelets.</i> <b>Mol Cell Biochem.</b> 2023 Jul 24. doi: 10.1007/s11010-023-04814-z. (correspond. author)	4.3
2.	Merce AP, Ionică LN, Bîă AM, Popescu S, Lighezan R, Petrescu L, Borza C, Sturza A, <b>Muntean DM</b> , Crețu OM. <i>Monoamine Oxidase Is a Source of Cardiac Oxidative Stress in Obese rats: the Beneficial role of Metformin.</i> <b>Mol Cell Biochem.</b> 2023;478(1):59-67. doi: 10.1007/s11010-022-04490-5. (correspond. author)	4.3
3.	Lascu A, Ionică LN, Merce AP, Dănilă MD, Petrescu L, Sturza A, <b>Muntean DM</b> , Streian CG. <i>Metformin Acutely Mitigates Oxidative Stress in Human Atrial Tissue: A Pilot Study in Overweight Non-Diabetic Cardiac Patients.</i> <b>Life.</b> 2022; 2(12): 2058. doi.org/10.3390/life12122058 (correspond. author)	3.2
4.	Bețiu AM, Noveanu L, Hâncu IM, Lascu A, Petrescu L, Maack C, Elmér E, <b>Muntean DM</b> . <i>Mitochondrial Effects of Common Cardiovascular Medications: The Good, the Bad and the Mixed.</i> <b>Int J Mol Sci.</b> 2022; 23(21) 13653; doi.org/10.3390/ijms232113653	5.6
5.	Avram VF, Merce AP, Hâncu IM, Bătrân AD, Kennedy G, Rosca MG, <b>Muntean DM</b> . <i>Impairment of Mitochondrial Respiration in Metabolic Diseases: An Overview.</i> <b>Int J Mol Sci.</b> 2022; 23(16) 8852; doi: 10.3390/ijms23168852.	5.6
6.	Bîă AM, Sturza A, Iancu I, Mocanu AG, Bernad E, Chiriac DV, Borza C, Craina ML, Popa ZL, <b>Muntean DM</b> , Crețu OM. <i>Placental oxidative stress and monoamine oxidase expression are increased in severe preeclampsia: a pilot study.</i> <b>Mol Cell Biochem.</b> 2022; 477(12):2851-2861. doi: 10.1007/s11010-022-04499 (correspond. author)	4.3
7.	Bîă AM, Aburel OM, Avram VF, Lelcu T, Lința AV, Chiriac DV, Mocanu AG, Bernad A, Borza C, Craina ML, <b>Muntean DM</b> , Crețu OM. <i>Impairment of mitochondrial respiration in platelets and placentas: a pilot study in preeclamptic pregnancies.</i> <b>Mol Cell Biochem</b> 2022;477(7):1987-2000.doi:10.1007/s11010-022-04415-2 (correspond. author)	4.3
8.	Lelcu T, Bîă A, Dănilă MD, Popoiu C, Aburel OM, Arghirescu ST, Borza C, <b>Muntean DM</b> . <i>Assessment of platelet mitochondrial respiration in a pediatric population: 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	2.835
9.	Savencu CE, Lința A, Farcaș G, Bîă 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: 10.3389/fphys.2021.768383 (correspond. author)	4.38
10.	Bețiu AM, Chamkha I, Gustafsson E, Meijer E, Avram VF, Åsander Frostner E, Ehinger JK, Petrescu L, <b>Muntean DM</b> , Elmér E. <i>Cell-Permeable Succinate Rescues Mitochondrial Respiration in Cellular Models of Amiodarone Toxicity.</i> <b>Int J Mol Sci.</b> 2021 Oct 29;22(21):11786. doi: 10.3390/ijms222111786. (corresp. author)	6.208
11.	Ionică LN, Gaiță L, Bîă 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> 2021; 476(11):4019-4029. doi.org/10.1007/s11010-021-04194-2 (correspond. author)	2.795
12.	Coricovac D, Dehelean CA, Pînzaru I, Mioc A, Aburel OM, Macașoi I, Draghici GA, Petean C, Șoica CM, Boruga M, Vlaicu B, <b>Muntean MD</b> . <i>Assessment of Betulinic Acid Cytotoxicity and Mitochondrial Metabolism Impairment in a Human Melanoma Cell Line.</i> <b>Int J Mol Sci</b> 2021;22(9), 4870; <a href="https://doi.org/10.3390/ijms22094870">https://doi.org/10.3390/ijms22094870</a>	6.208
13.	Avram VF, Bîă AM, Sima A, Aburel OM, Sturza A, Burlacu O, Timar RZ, <b>Muntean DM</b> , Elmér E, Crețu OM. <i>Improvement of Platelet Respiration by Cell-Permeable Succinate in Diabetic Patients Treated with Statins.</i> <b>Life (Basel)</b> 2021; 11(4): 288 doi.org/10.3390/life11040288 (correspond. author)	3.817
14.	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)	7.310
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#### LIST OF ISI PUBLICATIONS AS CO-AUTHOR (Past 10 years)

No.	Paper (authors, title, journal)	IF
1.	Braescu L, Sturza A, Aburel OM; Sosdean R, <b>Muntean D</b> , Luca CT, Brie DM, Feier H, Crisan S, Mornos C. <i>Assessing the Relationship Between Indexed Epicardial Adipose Tissue Thickness, Oxidative Stress in Adipocytes, and Coronary Artery Disease Complexity in Open-Heart Surgery Patients.</i> <b>Medicina 2024,</b> 6010177. doi.org/10.3390/medicina60010177	2.6
2.	Petrica L, Vlad A, Gadalean F, <b>Muntean DM</b> , Vlad D, Dumitrascu V, Bob F, Milas O, Suteanu-Simulescu A, Glavan M, Jianu DC, Ursoniu S, Balint L, Mogos-Stefan M, Ienciu S, Cretu OM, Popescu R. <i>Mitochondrial DNA Changes in Blood and Urine Display a Specific Signature in Relation to Inflammation in Normoalbuminuric Diabetic Kidney Disease in Type 2 Diabetes Mellitus Patients.</i> <b>Int J Mol Sci 2023,</b> 24(12): 9803. doi: 10.3390/ijms24129803	5.6
3.	Lascu A, Ionică LN, Buriman DG, Merce AP, Deaconu L, Borza C, Crețu OM, Sturza A, <b>Muntean DM</b> , Feier HB. <i>Metformin and Empagliflozin Modulate Monoamine Oxidase-Related Oxidative Stress and Improve Vascular Function in Human Mammary Arteries.</i> <b>Mol Cell Bioch 2023;</b> 478(9):1939-1947. doi: 10.1007/s11010-022-04633-8	4.3
4.	Piollet M, Sturza A, Chadet S, Gabillard-Lefort C, Benoist L, <b>Muntean DM</b> , Aburel OM, Angoulvant D, Ivanes F. <i>P2Y11 Agonism Prevents Hypoxia/Reoxygenation- and Angiotensin II-Induced Vascular Dysfunction and Intimal Hyperplasia Development.</i> <b>Int. J. Mol. Sci.</b> 2021, 22(2), 855 doi.org/10.3390/ijms22020855	6.208
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6.	Buda V, Andor M, Cristescu C, Tomescu MC, <b>Muntean DM</b> , Băibăță DE, Bordejevic DA, Danciu C, Dalleur O, Coricovac D, Crainiceanu Z, Tudor A, Ledeti I, Petrescu L. <i>Thrombospondin-1 Serum Levels In Hypertensive Patients With Endothelial Dysfunction After One Year Of Treatment With Perindopril.</i> <b>Drug Des Devel Ther.</b> 2019;13:3515-3526. doi: 10.2147/DDDT.S218428.	3.208
7.	Benoist L, Chadet S, Genet T, Lefort C, Heraud A, Danila MD, Muntean DM, Baron C, Angoulvant D, Babuty D, Bourguignon T, Ivanes F. <i>Stimulation of P2Y11 Receptor Protects Human Cardiomyocytes Against Hypoxia/Reoxygenation Injury and Involves PKCepsilon Signaling Pathway.</i> <b>Sci Rep.</b> 2019;9(1):11613. doi: 10.1038/s41598-019-48006-6.	4.011
8.	Maris MI, Cadariu FG, Avram MF, Parv F, Rogobete AF, <b>Muntean DM</b> , Borza C. <i>Are Inherited Combined Thrombophilia Mutations A Causative Or An Additive Factor In Recurrent Venous Thrombotic Accidents?</i> <b>Clin Lab.</b> 2019;65(7). Doi: 10.7754/Clin.Lab.2019.181221.	0.955

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15.	Mornoș C, <b>Muntean D</b> , Mornoș A, Crișan S, Petrescu L, Ionac A, Sosdean R, Cozma D. <i>Risk Stratification In Patients With Heart Failure: The Value Of Considering Both Global Longitudinal Left Ventricular Strain And Mechanical Dispersion</i> . <b>Can J Physiol Pharmacol.</b> <b>2017</b> ; 95(11):1360-1368. doi: 10.1139/cjpp-2017-0049	2.21
16.	Azghadi, S.M., Suciu, M., Gruia, A.T., Barbu-Tudoran, L., Cristea, M.I., Mic, A.A., <b>Muntean, D.</b> , Nica, D.V., Mic, F.A. <i>Mesenchymal stromal cells support the viability and differentiation of thymocytes through direct contact in autologous co-cultures</i> . <b>Histochem Cell Biol</b> <b>2016</b> ; 146(2):153-65.	2.533
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