



Curriculum Vitae



Personal information

Surname(s) / First name(s)

MUNTEAN Mirela-Danina

Address(es)

Department of Functional Sciences – Pathophysiology, Faculty of Medicine
"Victor Babeş" University of Medicine and Pharmacy of Timișoara, Romania
Eftimie Murgu Sq., no. 2, Timișoara 300041, RO

Tel.

+40 256 493085

E-mail

daninamuntean@umft.ro, munteandanina@gmail.com

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

(23 PhD theses coordinated, 13 finalized with *Summa cum laude* distinction, 6 in international co-tutorship, 4 in national co-tutorship)

Type of business or sector

Education

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/Medicine

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

providing education and training 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	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:

1. Lectures and labs of Pathophysiology - first-author/co-author of > 25 Pathophysiology books (manuals/practical guides) in RO, EN, FR languages

2. Lectures within the Doctoral School of the university:

- optional courses "Experimental Models in Translational Research" (2016 - 2022);

- compulsory course "Experimental Models in Research" (2022 -2023)

3. Lectures within a Master program at the Faculty of Pharmacy:

- compulsory course "OTC drugs, dietary supplements and cosmetics" (2015 - 2019)

4. Coordination/lector in postgraduate courses (2006 - to date) - selection:

"Update in pathophysiology, laboratory diagnosis and therapy of cardio-metabolic diseases" (2-

12.02.2024), "Update 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: 22 (WOS); 23 (Scopus); 33 (Google Scholar)

Cumulative IF as main author > 200

ORCID: 0000-0001-6186-5321

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

Director of the Centre for Translational Research & Systems Medicine (2014 - to date)

- founded 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 diseases, 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
- ✓ Characterization of the phytochemicals effects on mitochondrial and endothelial function

International research mobilities:

- **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

International cooperation in research with the groups coordinated by:

Prof. Roberto Bolli, Director of the Institute of Molecular Cardiology University of Louisville, USA; Prof. Denis Angoulvant, Head of Cardiology Department at Tours University Hospital, Hôpital Trousseau, Deputy Director of INSERM UMR 1327 ISCHEMIA, Tours, Vice-Dean with Medical Pedagogy at the Faculty of Medicine, University of Tours, France; Prof. Vladimir Jakovljevic, President of the International Society of Pathophysiology, President of the International Academy of Cardiovascular Sciences – European Section; 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. Eskil Elmér, Director of the Mitochondrial Medicine Research Unit, Lund University, Sweden.

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

A. INTERNATIONAL PROJECTS (11):

Project COORDINATOR (2):

- ✓ 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
- ✓ 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 (9):

- ✓ 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
- ✓ 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
- ✓ 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
- ✓ 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
- ✓ European project COST – Action "*Mitochondrial Fitness Mapping - Evolution-Age-Gender-Lifestyle-Environment – MITOEAGLE*", code CA15203, 2016-2021 – Member in the Management Committee for RO
- ✓ European project COST – Action "*The Network for the Biology of Zinc – ZINC NET*", code TD1304, 2013-2017 – Member in the Management Committee for RO
- ✓ European project COST – Action "*European Network on Gasotransmitters – ENOG*", code BM1005, 2011-2015 – Member in the Management Committee for RO
- ✓ European project COST – Action "*Hypoxia Sensing, Signaling and Adaptation - HYPOXIA NET*", code TD0901, 2010-2013 – Substitute Member in the Management Committee for RO
- ✓ 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):

- ✓ National Association for Scientific Research (NASR) Project "*Cardioprotective Strategies at Reperfusion: Mitochondria as Multiple Therapeutic Target – CARDIO-MITO-PROT*" categ. Complex Partnerships II, code 2560/2008, contract nr. 42 122/2008, 2008-2011
- ✓ 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
- ✓ 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
- ✓ 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 - 3rd 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 (10):

- ✓ University Internal Grant for Experienced Researchers "*Translational Innovative Study From Basic Research To Clinical Applicability: Mitochondrial Dysfunction and*

- ✓ *Inflammation in Diabetic Kidney Disease – MITO-DIAB*”, code 6EXP/1320/2020, 2020 - 2023
- ✓ Romanian-French Bilateral Cooperation *”Novel Insights in Vascular Protection Mediated By Purinergic Signaling – PUR-VASC-PROTECT*”, code 75 BM/2017, 2017 - 2018
- ✓ 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
- ✓ 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
- ✓ 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
- ✓ 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
- ✓ 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
- ✓ 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
- ✓ 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
- ✓ 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

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)* – 2022, 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:

- ✓ 16th New Frontiers in Cardiovascular Research – France & Central Europe Meeting, 27-29 May 2026, Timișoara
- ✓ National Congress of Pathophysiology with international participation, 2-5 October 2024, Timișoara
- ✓ 9th European Section Meeting of the International Academy of Cardiovascular Sciences (IACS), October 4-7, 2023, 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
- ✓ Conference & Translational Research Workshop *„Chronic Diseases: From Pathogenesis to Therapy”*, 25-27 October 2012, Timișoara, Romania

Academic activities

Co-chairman of the:

- ✓ Webinar *International Cooperation in Research at "Victor Babeş" 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 49th 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:

- ✓ 10th Annual Meeting of European Section of the International Academy of Cardiovascular Sciences, September 30 – October 2, 2024, Samorin, Bratislava, Slovak Republic
- ✓ 9th International Congress of Pathophysiology, July 4-7, 2023, Belgrade, Serbia
- ✓ 8th European Section Meeting of the International Academy of Cardiovascular Sciences, September 28 – October 1, 2022 Szeged, Hungary
- ✓ 6th Meeting of European Section & 7th 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
- ✓ 5th 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
- ✓ IVth Congress of Physiological Sciences of Serbia with international participation, September 19-23, 2018, Faculty of Medicine, Nis, Serbia
- ✓ 13th Meeting *New Frontiers In Basic Cardiovascular Research*, November 11-14, 2018, Prague, Czech Republic
- ✓ The 3rd Congress of Physiological Sciences of Serbia with international participation, October 29-31, 2014, Belgrade, Serbia

National Meetings:

Chairman of the:

- ✓ Conference and Advanced Research Workshop *"Translational Research in Mitochondria Disease - From Molecule To Man"*, 16 October 2015, Timișoara, Romania

Member in the Scientific/Organizing Committees of the:

- ✓ 11th National Conference of Pathophysiology, September 4-7, 2019, Târgu Mureș, Romania
- ✓ 10th National Conference of Pathophysiology, September 6-9, 2017, Cluj-Napoca, Romania
- ✓ National Congress of Pathophysiology, May 7-10, 2015, Iasi, Romania
- ✓ 5th International Congress & the 31th Annual Scientific Session of Romanian Society of Cell Biology, June 5-9, 2013, Timișoara, Romania

I. Academic activities/titles:

- Rector's Counselor for *Scientific Research* (2020 - 2024)
- President of the *Central Commission for the Graduation Exam* of the university (2020 - 2024)
- President of the *Senate Commission for Academic Development* (2024 - 2029)
- President of the *Senate Commission for Revision of University Charter and Regulations* (2016 - 2023)
- President of the *Senate Commission for University Studies and Academic Evaluation* (2012 - 2016)
- Member of the *University Senate* (2012 - 2023, 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, Education and Research in Health Sciences, Timișoara Medical Journal*

- **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.*

III. International & National Recognition/Prizes

- ✓ **Visiting Professor** of the Faculty of Medicine, University from Kragujevac, Serbia – 2024
- ✓ **Andras Varro Award for Excellence in Cardiovascular Sciences** offered by the **International Academy Cardiovascular Sciences** at The 10th European Section Meeting of the International Academy of Cardiovascular Sciences, 28-30 October 2024, Bratislava, Slovakia
- ✓ **IACS Lifetime Achievement Award** offered by the **International Academy of Cardiovascular Sciences (IACS)** at The 9th 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)

IV. 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 - 2024, President 2024 - 2025
 Romanian Society of Cardiology - Founding member of the *Working Group for Experimental Cardiology* within the Romanian Society of Cardiology (in 2019).

Other skills/competences

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

Timișoara, February 19th, 2026

LIST OF ISI PUBLICATIONS AS MAIN AUTHOR

No.	Paper (authors, title, journal)	IF
1.	Rațiu S, Sturza A, Muntean PS, Borza C, Bratu T, Muntean DM . <i>Monoamine oxidases are Mediators of Oxidative Stress in Human Varicose Veins: Interactions with Obesity, Inflammation, and Angiotensin II</i> . Mol Cell Biochem . 2025 Sep 29. doi: 10.1007/s11010-025-05398-6	3,7
2.	Rațiu S, Mariș MI, Furdui-Lința AV, Sima LV, Bratu TI, Sturza A, Muntean DM , Crețu OM. <i>Oxidative Stress in the Pathophysiology of Chronic Venous Disease: An Overview</i> . Antioxidants 2025, 14, 989. https://doi.org/10.3390/antiox14080989 (correspond. author)	6,6
3.	Rațiu S, Mariș MI, Furdui-Lința AV, Stanciu-Lelcu T, Borza C, Olariu S, Bratu T, Sturza A, Muntean DM . <i>Vitamin D Alleviates Oxidative Stress in Varicose Veins: A pilot Study in Obese and Non-obese Patients</i> . Mol Cell Biochem . 2025 Aug;480(8):4797-4807. doi: 10.1007/s11010-025-05292-1.	3,7
4.	Glăvan MR, Stanciu-Lelcu T, Aburel OM, Bîcă AM, Avram VF, Balint L, Gădălean F, Vlad A, Sturza A, Petrica L, Muntean DM . <i>Impairment of Platelet Mitochondrial Respiration in Patients With Chronic Kidney Disease With and Without Diabetes</i> . Mol Cell Biochem 2025 Aug;480(8):4745-4755. doi: 10.1007/s11010-025-05280-5	3,7
5.	Aburel OM, Braescu L, Buriman DG, Merce AP, Bina AM, Borza C, Mornoș C, Sturza A, Muntean DM . <i>Methylene Blue Reduces Monoamine Oxidase Expression and Oxidative Stress in Human Cardiovascular Adipose Tissue</i> . Mol Cell Biochem . 2025;480(4):2413-2421.	3,7
6.	Ionică LN, Buriman DG, Lința AV, Șoșdean R, Lascu A, Streian CG, Feier HB, Petrescu L, Mozoș IM, Sturza A, Muntean DM . <i>Empagliflozin and Dapagliflozin Decreased Atrial Monoamine Oxidase Expression and Alleviated Oxidative Stress in Overweight Non-Diabetic Cardiac Patients</i> . Mol Cell Biochem 2025 Mar; 480(3):1645-1655.	3,7
7.	Lința AV, Lolescu BM, Ilie CA, Vlad M, Blidisel A, Sturza A, Borza C, Muntean DM , Crețu OM. <i>Liver and Pancreatic Toxicity of Endocrine-Disruptive Chemicals: Focus on Mitochondrial Dysfunction and Oxidative Stress</i> . Int J Mol Sci 2024, 25, 7420. (correspond. author)	4,9
8.	Ionică LN, Lința AV, Bătrîn AD, Hâncu IM, Lolescu BM, Dănilă MD, Petrescu L, Mozoș IM, Sturza A, Muntean DM . <i>The Off-Target Cardioprotective Mechanisms of Sodium-Glucose Cotransporter 2 Inhibitors: An Overview</i> . Int J Mol Sci 2024; 25(14):7711.	4,9
9.	Bețiu AM, Lighezan R, Avram VF, Muntean DM , Elmér E, Petrescu L. <i>Dose-dependent effects of acetaminophen and ibuprofen on mitochondrial respiration of human platelets</i> . Mol Cell Biochem . 2023 Jul 24. doi: 10.1007/s11010-023-04814-z. (correspond. author)	4.3
10.	Merce AP, Ionică LN, Bîcă AM, Popescu S, Lighezan R, Petrescu L, Borza C, Sturza A, Muntean DM , Crețu OM. <i>Monoamine Oxidase Is a Source of Cardiac Oxidative Stress in Obese rats: the Beneficial role of Metformin</i> . Mol Cell Biochem . 2023;478(1):59-67. doi: 10.1007/s11010-022-04490-5. (correspond. author)	4.3
11.	Lascu A, Ionică LN, Merce AP, Dănilă MD, Petrescu L, Sturza A, Muntean DM , Streian CG. <i>Metformin Acutely Mitigates Oxidative Stress in Human Atrial Tissue: A Pilot Study in Overweight Non-Diabetic Cardiac Patients</i> . Life . 2022; 2(12): 2058. doi.org/10.3390/life12122058 (correspond. author)	3.2
12.	Bețiu AM, Noveanu L, Hâncu IM, Lascu A, Petrescu L, Maack C, Elmér E, Muntean DM . <i>Mitochondrial Effects of Common Cardiovascular Medications: The Good, the Bad and the Mixed</i> . Int J Mol Sci . 2022; 23(21) 13653; doi.org/10.3390/ijms232113653	5.6
13.	Avram VF, Merce AP, Hâncu IM, Bătrîn AD, Kennedy G, Rosca MG, Muntean DM . <i>Impairment of Mitochondrial Respiration in Metabolic Diseases: An Overview</i> . Int J Mol Sci . 2022; 23(16) 8852; doi: 10.3390/ijms23168852.	5.6
14.	Bîcă AM, Sturza A, Iancu I, Mocanu AG, Bernad E, Chiriac DV, Borza C, Craina ML, Popa ZL, Muntean DM , Crețu OM. <i>Placental oxidative stress and monoamine oxidase expression are increased in severe preeclampsia: a pilot study</i> . Mol Cell Biochem . 2022; 477(12):2851-2861. doi: 10.1007/s11010-022-04499 (correspond. author)	4.3
15.	Bîcă AM, Aburel OM, Avram VF, Lelcu T, Lința AV, Chiriac DV, Mocanu AG, Bernad A, Borza C, Craina ML, Muntean DM , Crețu OM. <i>Impairment of mitochondrial respiration in platelets and placentas: a pilot study in preeclamptic pregnancies</i> . Mol Cell Biochem 2022;477(7):1987-2000.doi:10.1007/s11010-022-04415-2 (correspond. author)	4.3

16.	Lelcu T, Bîna A, Dănilă MD, Popoiu C, Aburel OM, Arghirescu ST, Borza C, Muntean DM . Assessment of platelet mitochondrial respiration in a pediatric population: A pilot study in healthy children and children with acute lymphoblastic leukemia. Children (Basel) 2021 Dec 17;8(12):1196. doi: 10.3390/children8121196	2.835
17.	Savencu CE, Lința A, Farcaș G, Bîna AM, Crețu OM, Malița DC, Muntean DM , Sturza A. <i>Impact of Dietary Restriction Regimens on Mitochondria, Heart and Endothelial Function – A Brief Overview</i> . Front Physiology . 2021 12:768383. doi: 10.3389/fphys.2021.768383 (correspond. author)	4.38
18.	Bețiu AM, Chamkha I, Gustafsson E, Meijer E, Avram VF, Åsander Frostner E, Ehinger JK, Petrescu L, Muntean DM , Elmér E. <i>Cell-Permeable Succinate Rescues Mitochondrial Respiration in Cellular Models of Amiodarone Toxicity</i> . Int J Mol Sci . 2021 Oct 29;22(21):11786. doi: 10.3390/ijms222111786. (corresp. author)	6.208
19.	Ionică LN, Gaiță L, Bîna AM, Șoșdean, Lighezan R, Sima A, Malița D, Crețu OM, Burlacu O, Muntean DM , Sturza A. <i>Metformin alleviates monoamine oxidase-related vascular oxidative stress and endothelial dysfunction in rats with diet-induced obesity</i> . Mol Cell Biochem 2021; 476(11):4019-4029. doi.org/10.1007/s11010-021-04194-2 (correspond. author)	2.795
20.	Coricovac D, Dehelean CA, Pînzaru I, Mioc A, Aburel OM, Macașoi I, Draghici GA, Petean C, Șoica CM, Boruga M, Vlaicu B, Muntean MD . <i>Assessment of Betulinic Acid Cytotoxicity and Mitochondrial Metabolism Impairment in a Human Melanoma Cell Line</i> . Int J Mol Sci 2021;22(9), 4870; https://doi.org/10.3390/ijms22094870	6.208
21.	Avram VF, Bîna AM, Sima A, Aburel OM, Sturza A, Burlacu O, Timar RZ, Muntean DM , Elmér E, Crețu OM. <i>Improvement of Platelet Respiration by Cell-Permeable Succinate in Diabetic Patients Treated with Statins</i> . Life (Basel) 2021; 11(4): 288 doi.org/10.3390/life11040288 (correspond. author)	3.817
22.	Aburel OM, Pavel IZ, Maria D. Dănilă MD, Lelcu T, Roi A, Lighezan R, Muntean DM , Rusu LC. <i>Pleiotropic Effects of Eugenol: The Good, the Bad, and the Unknown</i> . Oxid Med Cell Longev . 2021, Article ID 3165159, doi.org/10.1155/2021/3165159 (correspond. author)	7.310
23.	Avram V, Chamka I, Åsander-Frostner E, Ehinger JK, Timar RZ, Hansson MJ, Muntean DM , Elmér E. <i>Cell-Permeable Succinate Rescues Mitochondrial Respiration in Cellular Models of Statin Toxicity</i> . Int J Mol Sci 2021; 22(1): 424, doi.org/10.3390/ijms22010424 (correspond. author)	6.208
24.	Dănilă MD, Piollet M, Aburel OM, Angoulvant D, Lefort C, Chadet S, Roger S, Muntean MD, Ivanes F. <i>Modulation of P2Y11-related purinergic signaling in inflammation and cardio-metabolic diseases</i> . Eur J Pharmacol . 2020 Jun 5;876:173060. doi: 10.1016/j.ejphar.2020.173060 (correspond. author)	4.432
25.	Ionică M, Aburel OM, Vaduva A, Petrus A, Rațiu S, Olariu S, Sturza A, Muntean DM . <i>Vitamin D Alleviates Oxidative Stress In Adipose Tissue And Mesenteric Vessels From Obese Patients With Subclinical Inflammation</i> . Can J Physiol Pharmacol . 2020; 98(2): 85-92 doi: 10.1139/Cjpp-2019-0340.	2.273
26.	Duca A, Sturza A, Moacă EA, Negrea M, Lalescu VD, Lungeanu D, Dehelean CA, Muntean DM , Alexa E. <i>Identification of Resveratrol as Bioactive Compound of Propolis from Western Romania and Characterization of Phenolic Profile and Antioxidant Activity of Ethnolic Extracts</i> . Molecules . 2019 16;24(18). Pii: E3368. doi: 10.3390/Molecules24183368. (correspond. author)	3.267
27.	Sturza A, Popoiu MC, Ionică M, Duicu OM, Olariu S, Muntean DM , Boia ES. <i>Monoamine Oxidase-Related Vascular Oxidative Stress in Diseases Associated with Inflammatory Burden</i> . Oxid Med Cell Longev . 2019, Article ID 8954201. doi: 10.1155/2019/8954201. (correspond. author)	5.076
28.	Petruș AT, Lighezan DL, Dănilă MD, Duicu OM, Sturza A, Muntean DM , Ioniță I. <i>Assessment of platelet respiration as emerging biomarker of disease</i> . Physiol Res . 2019; 30;68(3):347-363. (correspond. author)	1.701
29.	Sturza A, Olariu S, Ionică M, Duicu OM, Vaduva A, Boia E, Muntean DM , Popoiu C. <i>Monoamine oxidase is a source of oxidative stress in obese patients with chronic inflammation</i> . Can J Physiol Pharmacol . 2019;97(9):844-849. doi: 10.1139/cjpp-2019-0028. (correspond. author)	1.946
30.	Duca A, Alexa E, Dehelean CA, Șoica C, Danciu C, Popescu I, Cocan I, Lalescu D, Muntean DM . <i>Assessment of lipid profile of eight propolis samples from Western Romania</i> . Farmacia 2019; 67:1. doi.org/10.31925/farmacia.2019.1.17	1.527
31.	Privistirescu AI, Sima A, Duicu OM, Timar R, Roșca MG, Sturza A, Muntean DM . <i>Methylene blue alleviates endothelial dysfunction and reduces oxidative stress in aortas from diabetic rats</i> . Can J Physiol Pharmacol . 2018; 96(10):1012-1016. doi: 10.1139/cjpp-2018-0119.	2.041
32.	Rațiu C, Uțu D, Petruș A, Norbert P, Olariu S, Duicu O, Sturza A, Muntean DM . <i>Monoamine oxidase inhibition improves vascular function and reduces oxidative stress in rats with lipopolysaccharide-induced inflammation</i> . Gen Physiol Biophys . 2018; 37(6):687-694. doi: 10.4149/gpb_2018014	1.479
33.	Sturza A, Vaduva A, Uțu D, Rațiu C, Pop N, Duicu O, Popoiu C, Boia E, Matusz P, Muntean DM , Olariu S. <i>Vitamin D improves vascular function and decreases monoamine oxidase A expression in experimental</i>	2.884

	<i>diabetes. Mol Cell Biochem. 2019; 453(1-2):33-40. doi: 10.1007/s11010-018-3429-2. (correspond. author)</i>	
34.	Muntean DM , Sturza A, Pavel IZ, Duicu OM. <i>Modulation of Cancer Metabolism by Phytochemicals - A Brief Overview. Anticancer Agents Med Chem. 2018; 18(5):684-692. doi: 10.2174/187152061766171114102218.</i>	2.18
35.	Sturza A, Pavel I, Ancușă S, Danciu C, Dehelean C, Duicu O, Muntean D . <i>Quercetin Exerts An Inhibitory Effect On Cellular Bioenergetics of the B164A5 Murine Melanoma Cell Line. Mol Cell Biochem. 2018; 447(1-2):103-109. doi: 10.1007/s11010-018-3296-x.</i>	2.884
36.	Muntean DM , Thompson PD, Catapano AL, Stasiolek M, Fabis J, Muntner P, Serban MC, Banach M. <i>Statin-Associated Myopathy And The Quest For Biomarkers: Can We Effectively Predict Statin-Associated Muscle Symptoms? Drug Discov Today 2017; 22(1):85–96.</i>	6.848
37.	Văduva AO, Glămeanu C, Negrea R, Muntean DM , Dema AL. <i>In Vivo Confocal Microscopy Quantification of Reactive Oxygen Species: A Working Model In Rat Kidney. Rom J Morphol Embryol. 2017; 58(3):953–960. (correspond. author)</i>	0.912
38.	Dănilă MD, Privistirescu A. Duicu O, Rațiu CD, Angoulvant D, Muntean DM , Sturza A. <i>The Effect of Purinergic Signaling Via The P2Y11 Receptor on Vascular Function In A Rat Model of Acute Inflammation. Mol Cell Biochem. 2017 Jul; 431 (1-2): 37-44. doi: 10.1007/s11010-017-2973-5. (correspond. author)</i>	2.561
39.	Duicu OM, Privistirescu A, Wolf A, Petruș A, Dănilă MD, Rațiu CD, Muntean DM , Sturza A. <i>Methylene Blue Improves Mitochondrial Respiration and Decreases Oxidative Stress In A Substrate-Dependent Manner In Diabetic Rat Hearts. Can J Physiol Pharmacol. 2017; 95(11):1376-1382. doi: 10.1139/cjpp-2017-0074 (correspond. author)</i>	2.21
40.	Uțu D, Pantea S, Duicu OM, Muntean DM , Sturza A. <i>Contribution Of Monoamine Oxidases To Vascular Oxidative Stress In Patients With End Stage Renal Disease Requiring Hemodialysis. Can J Physiol Pharmacol. 2017; 95(11):1383-1388. doi: 10.1139/cjpp-2017-0067 (correspond. author)</i>	2.21
41.	Pavel IZ, Pârnu AE, Dehelean CA, Csuk R, Vlase L, Muntean DM . <i>Assessment Of The Antioxidant Effect Of A Maslinic Acid Derivative In An Experimental Model Of Acute Inflammation. Farmacia 2017; 65(3):390-395.</i>	1.507
42.	Petruș A, Rațiu C, Noveanu L, Lighezan R, Roșca M, Muntean D , Duicu O. <i>Assessment Of Mitochondrial Respiration In Human Platelets. Rev Chim (Bucharest) 2017; 68(4):768-771. (correspond. author)</i>	1.412
43.	Pavel IZ, Dehelean CA, Farczadi L, Muntean D, Vlase L, Danciu C, Csuk R, Birsasteanu F, Muntean D.M . <i>Assessment Of A Maslinic Acid Derivative And Its Metabolite In Rat Blood By Liquid Chromatography Coupled With Mass Spectrometry. Rev Chim (Bucharest) 2017; 68(5): 1089-1094.</i>	1.412
44.	Muntean DM , Sturza A, Dănilă MD, Borza C, Duicu OM, Mornos C. <i>The Role of Mitochondrial Reactive Oxygen Species in Cardiovascular Injury and Protective Strategies. Oxid Med Cell Longev 2016. 8254942 doi: 10.1155/2016/8254942</i>	4.593
45.	Lighezan R, Sturza A , Duicu OM, Ceausu RA, Vaduva A, Gaspar M, Feier H, Vaida M, Ivan V, Lighezan D, Muntean DM , Mornos C. <i>Monoamine oxidase inhibition improves vascular function in mammary arteries from nondiabetic and diabetic patients with coronary heart disease. Can J Physiol Pharmacol. 2016; 94(10):1040-1047 doi:10.1139/cjpp-2015-0580 (correspond. author)</i>	1.822
46.	Duicu OM, Lighezan R, Sturza A, Balica R, Vaduva A, Feier H, Gaspar M, Ionac A, Noveanu L, Borza C, Muntean DM , Mornos C. <i>Assessment of Mitochondrial Dysfunction and Monoamine Oxidase Contribution to Oxidative Stress in Human Diabetic Hearts. Oxidative Med Cell Longev 2016; 8470394. doi: 10.1155/2016/847039. (correspond. author)</i>	4.593
47.	Pavel IZ, Danciu C, Oprean C, Dehelean CA, Muntean D, Csuk R, Muntean DM . <i>In Vitro Evaluation of The Antimicrobial Ability and Cytotoxicity on Two Melanoma Cell Lines of A Benzylamide Derivative of Maslinic Acid. Anal Cell Pathol (Amst) 2016; 2787623. doi: 10.1155/2016/2787623</i>	1.078
48.	Petrus A, Sturza A, Utu D, Bedreag O, Kiss L, Baczko I, Muntean D , Jost, N. <i>Modulation of Vascular Reactivity by Novel Synthetic Benzopyran Analogues in Rat Aortas. Rev Chim (Bucharest) 2016; 67(11):2302-2305. (correspond. author)</i>	1.232
49.	Sturza A, Duicu O, Vaduva A, Danila M, Ionita I, Munteanu M, Muntean D , Lighezan R. <i>Hydrogen peroxide promotes endothelial dysfunction by decreasing nitric oxide bioavailability in experimental diabetes mellitus. Rev Chim (Bucharest) 2016;67 (11): 2302-2305. (correspond. author)</i>	1.232
50.	Muntean DM , Kiss L, Jost N, Baczkó I. <i>ATP-Sensitive Potassium Channel Modulators And Cardiac Arrhythmias: An Update. Curr Pharm Des. 2015, 21(8):1091-1102.</i>	3.052
51.	Sturza A, Duicu OM, Vaduva A, Dănilă MD, Noveanu L, Varró A, Muntean DM . <i>Monoamine Oxidases Are Novel Sources Of Cardiovascular Oxidative Stress In Experimental Diabetes. Can J Phys Pharmacol 2015; 93:555-561. doi: 10.1139/cjpp-2014-0544</i>	1.704
52.	Duicu OM, Lighezan R, Sturza A, Ceausu RA, Borza C, Vaduva A, Noveanu L, Gaspar M, Ionac A, Feier H, Muntean DM , Mornos C. <i>Monoamine Oxidases As Potential Contributors To Oxidative Stress In Diabetes:</i>	2.134

	<i>Time For A Study In Patients Undergoing Heart Surgery. BioMed Research International</i> 2015 ; 515437. doi: 10.1139/cjpp-2014-0544 (correspond. author)	
53.	Dănilă MD, Privistirescu AI, Mirica SN, Sturza A, Ordodi V, Noveanu L, Duicu OM, Muntean DM . <i>Acute Inhibition Of Monoamine Oxidase And Ischemic Preconditioning In Isolated Rat Hearts: Interference With Posts ischemic Functional Recovery But No Effect On Infarct Size Reduction. Can J Physiol Pharmacol</i> 2015 ; 93(9):819-825. doi: 10.1139/cjpp-2015-0103	1.704
54.	Duicu O, Scurtu I, Popescu R, Sturza A, Coricovac D, Dănilă M, Privistirescu A, Muntean D . <i>Assessment Of The Effects Of Methylene Blue On Cellular Bioenergetics In H9c2 Cells. Rev Chim (Bucharest)</i> 2015 ; 66(4):519-522.	0.956
55.	Sturza A., Duicu O., Vaduva A., Noveanu L., Danila M., Privistirescu A., Timar R., Muntean D. , Munteanu M. <i>Reduction Of RAGE Expression By Vitamin D In Isolated Diabetic Rat Aortas. Rev Chim (Bucharest)</i> 2015 ; 66(9):1509-1512.	0.956
56.	Sturza A, Noveanu L, Duicu O, Dănilă M, Jost N, Muntean D , Munteanu M. <i>Reversible Inhibition of Monoamine Oxidase A Improves Vascular Function in Canine Carotid Arteries Exposed To Angiotensin II. Rev Chim (Bucharest)</i> 2015 ; 66(6):851-854. (correspond. author)	0.956
57.	Dănilă MD, Benoist L, Lefort C, Ivanes F, Muntean D , Angoulvant D, Chadet S. <i>Modulation of Purinergic Receptors is Protective Against Hypoxia/Reoxygenation Injury in AC16 Cardiomyocytes. Rev Chim (Bucharest)</i> 2015 ; 66(12): 2118-2120. (correspond. author)	0.956
58.	Petruș A, Duicu OM, Sturza A, Noveanu L, Kiss L, Dănilă M, Baczkó I, Muntean DM , Jost N. <i>Modulation Of Mitochondrial Respiratory Function And ROS Production By Novel Benzopyran Analogues. Can J Physiol Pharmacol</i> 2015 ; 93(9):811-8. doi: 10.1139/cjpp-2015-0041 . (correspond. author)	1.704
59.	Gheorgheosu D, Duicu O, Dehelean C, Soica C, Muntean D . <i>Betulinic Acid As A Potent And Complex Antitumor Phytochemical: A Minireview. Anticancer Agents Med Chem</i> 2014 ; 14(7):936-945.	2.469
60.	Popoiu CM, Burian CA, Paunescu V, Boia E, Arghirescu S, Muntean DM , Ordodi VL. <i>Development of A High-Performance Anesthesia Ventilator For Research in Small Animals. Int J Artif Organs</i> 2014 ; 37(6):436-441. doi: 10.5301/ijao.5000330 (correspond. author)	0.962
61.	Kerti V, Coricovac D, Duicu O, Dănilă M, Dehelean C, Făgădar-Cosma E, Muntean D , Noveanu L. <i>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)</i> 2014 ; 65(5):447-449. (correspond. author)	0.81
62.	Coricovac D, Dobrea C, Dehelean C, Duicu O, Noveanu L, Muntean D , Lighezan R. <i>The Effects Of Glycyrrhiza Glabra L. Total Extract On Liver Mitochondrial Respiratory Function. Rev Chim (Bucharest)</i> 2014 ; 65(5):608-611. (corespond. author)	0.81
63.	Mellidis K, Ordodi V, Galatou E, Săndesc D, Bubenek S, Duicu O, Muntean D , Lazou A. <i>Activation of Prosurvival Signaling Pathways During The Memory Phase of Volatile Anesthetic Preconditioning in Human Myocardium: A Pilot Study. Mol Cell Biochem</i> 2014 ; 388(1-2):195-201. (correspond. author)	2.393
64.	Duicu O, Jușcă C, Falniță L, Mirică S, Maximov D, Firă-Mladinescu O, Muntean D . <i>Substrate Specific Impairment of Mitochondrial Respiration in Permeabilized Fibers From Patients With Coronary Heart Disease Vs. Valvular Disease. Mol Cell Biochem</i> 2013 ; 379 (1-2):229-234.	2.393
65.	Dehelean AC, Feflea S, Gheorgheosu D, Ganta S, Cimpean MA, Muntean D , Amiji MM. <i>Anti-Angiogenic and Anti-Cancer Evaluation of Betulin Nanoemulsion in Chicken Chorioallantoic Membrane and Skin Carcinoma In Balb/C Mice. Journal of Biomedical Nanotechnology</i> 2013 ; 9:577-589. (correspond. author)	7.578
66.	Muntean DM , Ordodi V, Ferrera R, Angoulvant D. <i>Volatile Anaesthetics & Cardioprotection: Lessons From Animal Studies. Fund Clin Pharmacol</i> 2013 ; 27(1):21-34	2.156
67.	Duicu OM, Mirica SN, Gheorgheosu DE, Fira-Mladinescu O, Muntean DM . <i>Ageing-Induced Decrease In Cardiac Mitochondrial Function In Healthy Rats. Can J Physiol Pharm.</i> 2013 ; 91(8):593-600.	1.546
68.	Mirica SN, Duicu OM, Trancota SL, Fira-Mladinescu O, Angoulvant D, Muntean DM . <i>Magnesium Orotate Elicits Acute Cardioprotection at Reperfusion In Isolated & In Vivo Rat Hearts. Can J Physiol Pharmacol.</i> 2013 ; 91(2):108-115.	1.546
69.	Duicu O, Angoulvant D, Muntean DM . <i>Cardioprotection Against Myocardial Reperfusion Injury: Successes, Failures, And Perspectives. Can J Physiol Pharmacol.</i> 2013 ; 91(8):657-662.	1.546

LIST OF ISI PUBLICATIONS AS CO-AUTHOR

No.	Paper (authors, title, journal)	IF
1.	Glăvan MR, Socaciu C., Socaciu AI, Milas O., Gadalean F, Cretu OM, Vlad A, Muntean DM , Bob F, Suteanu A, Jianu DC, Stefan M, Marcu L, Ienciu S, Petrica L. <i>Targeted Analysis of Serum and Urinary Metabolites for Early Chronic Kidney Disease</i> . Int J Mol Sci 2025 ; 26, 2862.	4,9
2.	Hâncu IM, Giuchici S, Furdul-Lința AV, Lolescu B, Sturza A, Muntean DM , Dănilă MD, Lighezan R. <i>The Highs and Lows of Monoamine Oxidase as Molecular Target in Cancer: An Updated Review</i> . Mol Cell Biochem . 2025 Jun;480(6):3225-3252. doi: 10.1007/s11010-024-05192-w.	3,7
3.	Pop A, Dănilă M, Giuchici S, Buriman D, Lolescu B, Sturza A, Muntean D , Lascu A. <i>Epicardial Adipose Tissue as Target of the Incretin-Based Therapies in Cardio-Metabolic Pathologies: A Narrative Review</i> . Can J Physiol Pharmacol . 2025 May 1;103(6):182-192. doi: 10.1139/cjpp-2024-0384	1,7
4.	Lolescu BM, Furdul-Lința AV, Ilie CA, Sturza A, Zară F, Muntean DM , Bliidișel A, Crețu OM. <i>Adipose Tissue as Target of Environmental Toxicants: Focus On Mitochondrial Dysfunction and Oxidative Inflammation in Metabolic Dysfunction-Associated Steatotic Liver Disease</i> . Mol Cell Biochem . 2025 May;480(5):2863-2879.	3,7
5.	Petrica L, Gadalean F, Vlad A, Muntean DM , Vlad D, Dumitrascu V, Bob F, Milas O, Suteanu-Simulescu A, Glavan M, Ursoniu S, Balint-Marcu L, Mogos-Stefan M, Ienciu S, Cretu OM, Popescu R, Gluhovschi C, Iancu L, Jianu DC. <i>Stromal Cell-Derived Factor-1, P-Selectin, and Advanced Oxidation Protein Products with Mitochondrial Dysfunction Concurrently Impact Cerebral Vessels in Patients with Normoalbuminuric Diabetic Kidney Disease and Type 2 Diabetes Mellitus</i> . Int J Mol Sci . 2025 May 8;26(10):4481.	4,9
6.	Lolescu BM, Furdul-Lința AV, Dănilă MD, Bliidișel AI, Dehelean CA, Muntean DM , Rodica Lighezan R, Crețu OM. <i>Impairment of Platelet Mitochondrial Respiration: An Overview of Animal Models of Disease and Drug-Induced Toxicity</i> . Farmacia 2025 ; 73 (1):9-18.	1,4
7.	Buda V, Sturza A, Minda D, Diaconeasa Z, Iuhas C, Bădescu B, Dehelean CA, Danciu C, Muntean MD , Lighezan R, Dănilă MD. <i>Vasculo-Protective Effects of Standardized Black Chokeberry Extracts in Mice Aorta</i> . Int J Mol Sci 2024 Dec 17;25(24):13520.	4,9
8.	Rațiu S, Mariș MI, Sturza A, Olariu S, Muntean DM , Bratu T. <i>Phleboscclerosis with Calcification in a Patient with Advanced Venous Ulcer: case presentation and literature review</i> . Acta Phlebol 2024 Dec;25 (3):170-6.	0,4
9.	Sosdean R., Dănilă M.D., Ionică L.N., Pescariu A.S., Mircea, M., Ionac A., Mornos C., Luca C.T., Feier, H.B., Muntean D.M. , Sturza A. <i>Monoamine Oxidase Contributes to Valvular Oxidative Stress: A Prospective Observational Pilot Study in Patients with Severe Mitral Regurgitation</i> . Int. J. Mol. Sci. 2024 , 25, 10307.	4,9
10.	Brăescu L, Sturza A, Sosdean R, Aburel OM., Lazar MA, Muntean MD , Luca CT, Brie DM, Feier H, Crisan S, Mornos C. <i>Echocardiographic Assessment of Epicardial Adipose Tissue Thickness as Independent Predictor in Coronary Artery</i> . Can J Physiol Pharmacol 2024 ;102(11):648-660.	1,7
11.	Petrica L, Gădălean, F., Muntean D.M. , Jianu D.C., Vlad D., Dumitrascu V., Bob F., Milas, O., Suteanu-Simulescu A., Glavan, M. et al. <i>Mitochondrial DNA and Inflammation Are Associated With Cerebral Vessel Remodeling and Early Diabetic Kidney Disease in Patients With Type 2 Diabetes Mellitus</i> . Biomolecules 2024 ;14(4):499.	3,7
12.	Braescu L, Sturza A, Aburel OM, Sosdean R, Muntean D , 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> . Medicina 2024 , 6010177. doi.org/10.3390/medicina60010177	2.6
13.	Petrica L, Vlad A, Gadalean F, Muntean DM , 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> . Int J Mol Sci 2023 , 24(12): 9803. doi: 10.3390/ijms24129803	5.6
14.	Lascu A, Ionică LN, Buriman DG, Merce AP, Deaconu L, Borza C, Crețu OM, Sturza A, Muntean DM , Feier HB. <i>Metformin and Empagliflozin Modulate Monoamine Oxidase-Related Oxidative Stress and Improve Vascular Function in Human Mammary Arteries</i> . Mol Cell Bioch 2023 ; 478(9):1939-1947. doi: 10.1007/s11010-022-04633-8	4.3
15.	Piollet M, Sturza A, Chadet S, Gabillard-Lefort C, Benoist L, Muntean DM , Aburel OM, Angoulvant D, Ivanec F. <i>P2Y11 Agonism Prevents Hypoxia/Reoxygenation- and Angiotensin II-Induced Vascular Dysfunction and Intimal Hyperplasia Development</i> . Int. J. Mol. Sci. 2021 , 22(2), 855 doi.org/10.3390/ijms22020855	6.208

16.	Pârvulescu L, Stoia DI, Miok K, Ion MC, Puha AE, Sterie M, Veres, M, Marcu I, Muntean MD , Aburel OM. <i>Force and Boldness: Cumulative Assets of a Successful Crayfish Invader</i> . Front. Ecol. Evol. 2021 9:581247. doi: 10.3389/fevo.2021.581247	2.416
17.	Buda V, Andor M, Cristescu C, Tomescu MC, Muntean DM , 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> . Drug Des Devel Ther. 2019 ;13:3515-3526. doi: 10.2147/DDDT.S218428 .	3.208
18.	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> . Sci Rep. 2019 ;9(1):11613. doi: 10.1038/s41598-019-48006-6 .	4.011
19.	Maris MI, Cadariu FG, Avram MF, Parv F, Rogobete AF, Muntean DM , Borza C. <i>Are Inherited Combined Thrombophilia Mutations A Causative Or An Additive Factor In Recurrent Venous Thrombotic Accidents?</i> Clin Lab. 2019 ;65(7). Doi: 10.7754/Clin.Lab.2019.181221 .	0.955
20.	Pavel IZ, Csuk R, Danciu C., Avram S, Baderca F, Cioca A, Moacă EA, Mihali CV, Pinzaru I, Muntean DM , Dehelean CA. <i>Assessment of the Antiangiogenic and Anti-Inflammatory Properties of A Maslinic Acid Derivative (and Its Potentiation by Zinc Chloride)</i> . Int. J. Mol. Sci. 2019 , 20(11), 2828; doi.org/ 10.3390/ijms20112828	4.556
21.	Duca A, Borcan F, Muntean DM , Alexa EC, Șoica CM. <i>Formulation and Characterization of Polyurethane Microstructures with Propolis Extract</i> . Rev Mat Plastica , 2019 ; 56 (2):321-323.	1.393
22.	Duicu O., Pavel I.Z., Borcan F, Muntean DM , Chevereșan A, Bratu E, Rusu LC, Karacsi OL. <i>Characterization of the Eugenol Effects on the Bioenergetic Profile of SCC-4 Human Squamous Cell Carcinoma Cell Line</i> . Rev Chem (Bucharest) 2018 ; 69(9): 2567-2570.	1.412
23.	Hentia C, Rizzato A, Camporesi E, Yang Z, Muntean DM , Săndesc D, Bosco G. <i>An overview of protective strategies against ischemia/reperfusion injury: The role of hyperbaric oxygen preconditioning</i> . Brain Behav 2018 ; 8(5):e00959. doi: 10.1002/brb3.959	2.219
24.	Demeter-Haludka V, Kovács M, Petrus A, Patai R, Muntean DM, Siklós L, Végh Á. <i>Examination of the Role of Mitochondrial Morphology and Function in the Caardioprotective Effect of Sodium Nitrite Administered 24 h before Ischemia/Reperfusion Injury</i> . Front Pharmacol. 2018 ; 9:286. doi: 10.3389/fphar.2018.00286 .	3.831
25.	Berthiaume JM, Kurdys JG, Muntean DM , Rosca MG. <i>Mitochondrial NAD⁺/NADH Redox State and Diabetic Cardiomyopathy</i> . Antioxid Redox Signal. 2019 ;30(3):375-398 doi: 10.1089/ars.2017.7415 .	6.53
26.	Avram, S., Coricovac, D.E., Pavel, I.Z., Pinzaru, I., Ghiulai, R., Baderca, F., Soica, C., Muntean, D. , Branisteanu, D.E., Spandidos, D.E., Tsatsakis, A.M., Dehelean, C.A. <i>Standardization Of A375 Human Melanoma Models On Chicken Embryo Chorioallantoic Membrane And Balb/C Nude Mice</i> . Oncology Reports 2017 ; 38: 89-99. doi: 10.3892/or.2017.5658	2.976
27.	Mornoș C, Muntean D , 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> . Can J Physiol Pharmacol. 2017 ; 95(11):1360-1368. doi: 10.1139/cjpp-2017-0049	2.21
28.	Azghadi, S.M., Suci, M., Gruia, A.T., Barbu-Tudoran, L., Cristea, M.I., Mic, A.A., Muntean, D. , 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> . Histochem Cell Biol 2016 ; 146(2):153-65.	2.533
29.	Gruia A, Suci M, Barbu-Tudoran L, Reza Azghadi SM, Cristea M, Nica D, Vaduva A, Muntean D , Mic AA, Mic F. <i>Mesenchymal stromal cells differentiating to adipocytes accumulate autophagic vesicles instead of functional lipid droplets</i> . J Cell Physiology 2016 ; 231(4):863-875.	4.08
30.	Pavel IZ, Duicu OM, Danciu C, Dehelean C, Bojin F, Paunescu V, Muntean D , Sturza A, Noveanu L. <i>Immune and Bioenergetic Profiling of a Human Dermal Fibroblast Cell Line</i> . Rev Chim (Bucharest) 2015 ; 66(11): 1755-1758.	0.956
31.	Minda D, Pavel IZ, Borcan F, Coricovac D, Pinzaru I, Andrica F, Morgovan C., Nita L.D., Soica C., Muntean D , Toma C.C. <i>Beneficial effects of a lupeol-cyclodextrin complex in a murine model of photochemical skin carcinoma</i> . Rev Chim (Bucharest) 2015 ; 66 (3):373-377	0.956
32.	Coricovac, D., Soica, C., Muntean, D., Popovici, R.A., Dehelean, C., Hoge, E. <i>Assessment of the Effects Induced by Two Triterpenoids on Liver Mitochondria Respiratory Function Isolated from Aged Rats</i> . Rev Chim (Bucharest) 2015 ; 66(10):1707-1710	0.956
33.	Citu IO, Coricovac D, Kerti V, Duicu O, Privistirescu A, Ardelean S, Muntean D , Dehelean C. <i>Decreased respiratory function in liver mitochondria isolated from healthy old rats</i> . Farmacia 2015 ; 63(1):99-103	1.162
34.	Baczkó I, Lepran I, Kiss L, Muntean DM , Light PE. <i>Future perspectives in the pharmacological treatment of atrial fibrillation and ventricular arrhythmias in heart failure</i> . Curr Pharm Des 2015 ; 21(8):1011-1029	3.052

35.	Touboul, C., Angoulvant, D., Mewton, N., Ivanes, F., Muntean, D. , Prunier, F., Ovize, M., Bejan-Angoulvant, T. Ischemic postconditioning reduces infarct size: Systematic review and metanalysis of randomized controlled trials. Arch Cardiovasc Dis 2015; 108(1):39-49	2.271
36.	Duicu O, Ciurlea S. Dehelean C., Ardelean, S., Andrica, F., Muntean, D. , Soica, C., Antal, D., Coricovac, D., Pinzaru, I. <i>Analysis of a betulinic acid formulation on liver mitochondria isolated from mice with induced murine melanoma.</i> Rev Chim (Bucharest) 2014; 65 (8):956-959	0.81
37.	Serban C, Muntean D , Mikhailidis D., Toth P., Banach M. <i>Dysfunctional HDL: The journey from savior to slayer.</i> Clin. Lipidol. 2014; 9(1): 49–59	0.867
38.	Soica C, Trandafirescu C, Danciu C, Muntean D , Dehelean C, Simu G. <i>New improved drug delivery technologies for pentacyclic triterpenes: A review.</i> Protein & Peptide Letters 2014; 21(11):1137-1145.	1.068
39.	Corici C, Kohajda Z, Kristóf A, Horváth A, Virág L, Szél T, Nagy N, Szakonyi Z, Fülöp , Muntean DM , Varró A, Jost N. <i>L-364,373 (R-L3) enantiomers have opposite modulating effects on IKs in mammalian ventricular myocytes.</i> Can J Physiol and Pharmacol 2013; 9:586-592	1.546
40.	Sturza A, Leisegang MS, Babelova A, Schröder K, Benkhoff S, Loot AE, Fleming I, Schulz R, Muntean DM, Brandes RP. <i>Monoamine oxidases are mediators of endothelial dysfunction in mouse aorta.</i> Hypertension 2013; 62(1):140-146	7.632
41.	Gheorgheosu D, Jung M, Schmid T, Oren B, Dehelean C, Muntean D , Brüne B. <i>Betulinic acid suppresses NGAL-induced epithelial-to-mesenchymal transition in melanoma.</i> Biol Chem 2013; 394(6):773-81	2.689
42.	Raducan, A., Mirica, S.N., Duicu, O., Raducan, S., Muntean, D. , Fira-Mladinescu, O., Lighezan, R. - <i>Morphological and functional aspects of sciatic nerve regeneration after crush injury.</i> Rom J Morphol Embryol 2013; 54(3):735-739	0.723

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