



Darius Gheorghe Buriman

Phone: (+40) 0

Gender: Male Date of birth: 19/11/1993 Nationality: Romanian

WORK EXPERIENCE

"Victor Babeş" University of Medicine and Pharmacy

City: Timișoara | Country: Romania

**PhD Associate Assistant Professor Pathophysiology, Department III
Functional sciences**

[2022 – 2023]

Institutul de Boli Cardiovasculare

City: Timișoara | Country: Romania

[01/01/2019 – 14/01/2024]

Medical Resident - Cardiovascular Surgery

"Victor Babeş" University of Medicine and Pharmacy

City: Timișoara | Country: Romania

[02/10/2023 – Current]

Assistant Professor Pathophysiology, Department III Functional sciences

Institutul de Boli Cardiovasculare

City: Timișoara | Country: Romania

[01/05/2025 – Current]

Cardiovascular Surgeon

EDUCATION AND TRAINING

[2008 – 2012]

Bacalaureat Diploma

Grupul Școlar Industrial, Moldova-Nouă

City: Moldova-Nouă | Country: Romania |

[2012 – 2018]

Medical Doctor

"Victor Babeş" University of Medicine and Pharmacy

City: Timișoara | Country: Romania |

[2022 – Current]

**PhD Student: "Contributions to the elucidation of the mechanisms of
mitochondrial and endothelial dysfunction in cardiac surgery"**

"Victor Babeş" University of Medicine and Pharmacy

City: Timișoara | Country: Romania |

LANGUAGE SKILLS

Mother tongue(s): Romanian

Other language(s):

English

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

German

LISTENING B1 READING B1 WRITING B1

SPOKEN PRODUCTION B1 SPOKEN INTERACTION A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DRIVING LICENCE

Cars: B

MANAGEMENT AND LEADERSHIP SKILLS

team work, organizational spirit, interhuman relationships, negotiation

COMMUNICATION AND INTERPERSONAL SKILLS

Intermediate-advanced communication skills

CONFERENCES AND SEMINARS

[2013] **New Breakthroughs in Immunology: Fighting Fire with Fire** Timișoara

[2016] **Cardiocare Conference** Timișoara

[2019] **CardioCulture Conference** Timișoara

[2019] **"20 years of cardiac transplants" Conference** Târgu Mureș

[2022] **CardioCulture Conference** Timișoara

[27/10/2022 – 29/10/2022] **The 17th National Congress of the Romanian Society of Cardiovascular Surgery**
Poiana Brașov

[2023] **BIOSINT - EU TRAINING 3** Timișoara

[19/10/2023 – 21/10/2023] **CardioCulture Conference** Timișoara

[23/11/2023 – 25/11/2023] **The 18th National Congress of the Romanian Society of Cardiovascular Surgery**
Cluj Napoca

[04/10/2023 – 07/10/2023] **9th European Section Meeting of the International Academy of Cardiovascular Sciences**
Timișoara

"CHARACTERIZATION OF CHANGES IN PLATELET MITOCHONDRIAL RESPIRATION PRE- AND POST CARDIOPULMONARY BY-PASS" - poster

[23/10/2024 – 25/10/2024] **CardioCulture Conference** Timișoara

[26/09/2024 – 28/09/2024] **The 19th National Congress of the Romanian Society of Cardiovascular Surgery**
Cluj Napoca

VV-ECMO cannulation and deep vein thrombosis: lessons from a cardiac surgery case -
Prezentare orală.

Link: <https://srccv.medevents.ro/>

[02/10/2024 – 05/10/2024] **National Congress of the Romanian Society of Pathophysiology with international participation**

Timișoara

"Cannula-associated deep vein thrombosis after venovenous extracorporeal membrane oxygenation in cardiac surgery – Case report" - oral presentation

Programme and Abstract Book of the National Congress of Romanian Society Pathophysiology with international participation "Tradition in Education and Collaboration in Interdisciplinary Research", 2-5 octombrie 2024, Timișoara p.97. Ed. Victor Babeș ISBN 978-606-786-417-5.

Link: https://www.umft.ro/wp-content/uploads/2024/11/Programme-Abstract-Book-National-Congress-Pathophysiology-Tm-2024_editura.pdf

[15/10/2025 – 17/10/2025] **CardioCulture Conference** Timișoara

[09/10/2025 – 10/10/2025] **National Congress of the Romanian Society of Pathophysiology** Constanța

"Assessment of Acute and Chronic Vascular Protective Effects of the Novel Antidiabetics in Cardiac Patients Undergoing Open Heart Surgery" - poster

[06/11/2025 – 08/11/2025] **The 20th National Congress of the Romanian Society of Cardiovascular Surgery**
București

"ONE PATIENT, MULTIPLE CHALLENGES: COMBINED BENTALL-DE BONO PROCEDURE AND CABG IN TAKAYASU ARTERITIS" - POSTER

COURSES AND WORKSHOPS

Postgraduate Course: Personalised Medicine, în cadrul proiectului Erasmus+ KA2 Capacity Building in the field of Higher Education. Strengthening capacities and digital competences in biomedical education through internationalization at home BIOSINT

101082863-BIOSINT-ERASMUS-EDU-2022-CBHE

[03/03/2025 – 15/03/2025] **Postgraduate Course "Current Advances in the Pathophysiology and Laboratory & Paraclinical Diagnosis of Geriatric Disorders"**

[14/03/2025 – 29/03/2025] **Postgraduate Course: "Current Advances in the Pathophysiology, Screening, Diagnosis and Management of Acute and Chronic Diseases"**

[02/10/2024 – 05/10/2024] **Advanced Research Workshop for Young Researchers: "Education Through Research – Meet the Experts"**

Within the National Congress of the Romanian Society of Pathophysiology, Timișoara, Romania.

[03/06/2025 – 03/06/2025] **HoW Workshop and UEFISCDI Focus Group: Aligning Educational Provision with Labor Market Needs through Data-Driven Policy Development**

SCIENTIFIC EVENT ORGANIZATION

[02/10/2024 – 05/10/2024] **Member of the Organizing Committee, National Congress of the Romanian Society of Pathophysiology (Timișoara, Romania)**

https://www.umft.ro/wp-content/uploads/2024/11/Programme-Abstract-Book-National-Congress-Pathophysiology-Tm-2024_editura.pdf

PROFESSIONAL AFFILIATIONS

[2025 – Current] **Romanian Society of Cardiovascular Surgery**

[2024 – Current] **Romanian Society of Pathophysiology**

PUBLICATIONS

[2022] [The Role and Implications of Epicardial Fat in Coronary Atherosclerotic Disease](#)

Authors: Braescu L, Gaspar M, Buriman D, Aburel OM, Merce AP, Bratosin F, Aleksandrovich KS, Alambaram S, Mornos C | **Journal Name:** J Clin Med | **Volume, Issue and Pages:** 2022 Aug 12;11(16):4718

[2022] [Mitigation of monoamine oxidase-related endothelial dysfunction by antidiabetic medication in human mammary arteries](#)

Authors: Adrian Merce, Loredana Nicoleta Ionica, Anca Bina, Raluca Sosdean, Lucian Petrescu, Darius Buriman, Horea Feier, Adrian Sturza, Danina Mirela Muntean | **Journal Name:** Journal of Molecular and Cellular Cardiology | **Volume, Issue and Pages:** Volume 173, Supplement S159-S160

[2022] [Mitigation of Monoamine Oxidase-Related Oxidative stress by Metformin and Empagliflozin in human atrial tissue](#)

Introduceți aici descrierea...

Authors: Adrian P. Merce, Adrian Sturza , Darius G. Buriman, Loredana Ionica, Anca M. Bina, Claudia Borza, Lucian Petrescu, Danina Muntean | **Journal Name:** Archives of Cardiovascular Diseases | **Volume, Issue and Pages:** Supplements,Volume 14, Issue 2,2022,Page 216

[2022] [Metformin Reverses the Effects of Angiotensin 2 in Human Mammary Arteries by Modulating the Expression of Nitric Oxide Synthases](#)

Authors: Adrian Merce, Darius G. Buriman, Ana Lascu, Horea B. Feier, Lucian Petrescu, Claudia Borza, Adrian Sturza, Danina M. Muntean, Octavian M. Crețu | **Journal Name:** Serbian Journal of Experimental and Clinical Research | **Volume, Issue and Pages:** 2022, vol. 23 (3)

[2022] [Cell-Permeable Succinate Improves Platelet Respiration in Patients Undergoing Cardiopulmonary Bypass: A Pilot Study](#)

Authors: Adrian P. Merce, Anca M. Bîănă, Vlad F. Avram, Darius G. Buriman, Ana Lascu, Horea B. Feier, Lucian Petrescu, Danina M. Muntean, Eskil Elmér, Octavian M. Crețu | **Journal Name:** Timișoara Medical Journal | **Volume, Issue and Pages:** 2022 (2), 2

[2023] [Assessment of Platelet Mitochondrial Respiration in the Setting of Cardiopulmonary Bypass: A Case Report](#)

Authors: Darius G. Buriman, Adrian P. Merce, Anca Bina, Laurențiu A. Brăescu, Andrei E. Grigorescu, Adrian Sturza, Danina Muntean, Horea B. Feier | **Journal Name:** Timisoara Medical Journal | **Volume, Issue and Pages:** 2023(1):1

[2023] [Metformin and empagliflozin modulate monoamine oxidase-related oxidative stress and improve vascular function in human mammary arteries](#)

Authors: Lascu A, Ionică LN, Buriman DG, Merce AP, Deaconu L, Borza C, Crețu OM, Sturza A, Muntean DM, Feier HB | **Journal Name:** Mol Cell Biochem | **Volume, Issue and Pages:** 2023 Sep;478(9):1939-1947

[2023] [Acquired Von Willebrand Factor Deficiency at Patient-Prosthesis Mismatch after AVR Procedure—A Narrative Review](#)

Authors: Grigorescu AE, Anghel A, Buriman DG, Feier H | **Journal Name:** Medicina (Kaunas) | **Volume, Issue and Pages:** 2023 May 16;59(5):954

[2025] [Empagliflozin and dapagliflozin decreased atrial monoamine oxidase expression and alleviated oxidative stress in overweight non-diabetic cardiac patients](#)

Reference: 10.1007/s11010-024-05076-z

Authors: Ionică LN, Buriman DG, Lința AV, Șoșdean R, Lascu A, Streian CG, Feier HB, Petrescu L, Mozoș IM, Sturza A, Muntean DM | **Journal Name:** Molecular and cellular biochemistry | **Volume, Issue and Pages:** 2025 Mar;480(3): 1645-1655

[2025] [Methylene blue reduces monoamine oxidase expression and oxidative stress in human cardiovascular adipose tissue](#)

Reference: 10.1007/s11010-024-05092-z

Authors: Aburel OM, Brăescu L, Buriman DG, Merce AP, Bîină AM, Borza C, Mornoș C, Sturza A, Muntean DM | **Journal Name:** Molecular and cellular biochemistry | **Volume, Issue and Pages:** 2025 Apr;480(4):2413-2421

[2025] [Epicardial adipose tissue as target of the incretin-based therapies in cardio-metabolic pathologies: a narrative review](#)

Reference: 10.1139/cjpp-2024-0384

Authors: Pop A, Dănilă M, Giuchici S, Buriman D, Lolescu B, Sturza A, Muntean D, Lascu A | **Journal Name:** Canadian Journal of Physiology and Pharmacology | **Volume, Issue and Pages:** Vol 103, Nr. 6

[2025] [Clinical Significance of TAPSE/PASP Ratio in Risk Stratification for Aortic Stenosis Patients Undergoing Transcatheter Aortic Valve Replacement](#)

Authors: Moroz SM, Negru AG, Luca S, Nișulescu D, Baba M, Buriman D, Lascu A, Lighezan DF, Mozos I | **Journal Name:** J Cardiovasc Dev Dis | **Volume, Issue and Pages:** 2025 Nov 29;12(12):468