



First / Last Name

Assoc. Prof. dr. Constantin MUNTEANU

Function / Position

PhD in Biology, Master in Neurobiology, Biologist pr., Senior Scientific Researcher

Research ID:

F-4672-2011 / ACM-9541-2022 | Data nasterii: 23.07.1978

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Member Professional Order (OBBCSSR)

The Unic National Register with seal code 211714



EDUCATION

PhD in Biology, University of Bucharest, Faculty of Biology, with CUM LAUDE distinction, **Diploma Series G, no. 0005456**, based on MECI Order no. 4226 of 15.06.2010, Education level: ISCED 8, 2003-2010.

Thesis: The glial response to lithium and the lithiniferous mineral water MARIA from Malnaş-Băi, and its relevance in manic-depression therapy, Coordinator Prof. Dr. Lotus Meşter

Master in Neurobiology, University of Bucharest, Faculty of Biology, **Diploma Series C, no. 0005142 / 2003**, Education level: ISCED 7, 2001-2003

Thesis: “Systematic and systematic analysis of biological and biosocial information”, Coordinator Lecturer Dr. Carmen Strungaru

Bachelor's degree in Biology, University of Bucharest, Faculty of Biology, **Diploma Series S, no. 0032664 / 2000**, Education level: ISCED 6, 1996-2000

Thesis: Investigating the immunomodulatory activity of some placental protein fractions in NK cytotoxicity systems, Coordinator Lecturer Dr. Doru Gabor

2002 **ERASMUS scholarship**, Max Planck Institute, Andechs, Germany, **Human Ethology**

2003 **Course - Institute of Cellular Biology and Pathology "N. Simionescu", improvement course: “From cell biology to 21st century medicine”**

2004 **Neuroscience Course**, International Brian Research Organization, University of Bucharest,

2007 **SPECIALIST BIOLOGIST** exam, in the **Applied Biology specialty**, O. MS no. 1119/2007

2011 **TRAINER – Certificate of completion Series G, No. 00218009**

2012 **Leadership of subordinates - course, Online Business School**

2017 19 - 20 October - **course** ” Robotic recovery/ advanced wearable devices”, CNCRNC

2018 05 - 07 September - **course** ” Advanced Neurorecovery procedures”, CNCRNC

2019 **PRINCIPAL BIOLOGIST** exam, in the **Applied Biology specialty**, O. MS no. 1200/2019

2019 **Entrepreneurial Skills – Certificate of completion Series M, No. 00049140**

2020 **Project Manager – Certificate of completion Series M, No. 00336451**

2020 **Public Procurement Expert – Certificate of completion Series M, No. 00367409**

PERFECTION / SPECIALIZATION / QUALIFICATION

Foreign languages:

English
French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent user	C1	Proficient user	B2	Independent user	C1	Proficient user	C1	Proficient user
C1	Proficient user	C1	Proficient user	B1	Independent user	B1	Independent user	B2	Independent user

(*) *Common European Framework of Reference for Languages*

Member of International Professional Societies:

- International Society of Medical Hydrology and Climatology (ISMH)
- European Society of Physical & Rehabilitation Medicine (ESPRM)
- International Society of Physical & Rehabilitation Medicine (ISPRM)

Member of National Professional Societies:

- Romanian Balneology Association (ARB) - president
- Romanian Society of Physical Medicine, Recovery and Balneoclimatology (SRMFRB) - vice president
- Romanian Society of Vertebro-Spinal Pathology, Therapy and Recovery (RoSCoS) - vice president
- Romanian Neurorehabilitation Society (RoSNeRa) – member

Professional experience

- University of Medicine and Pharmacy "Grigore T. Popa" Iasi**
Faculty of Medical Bioengineering, Balneophysiotherapeutic and Recovery specialization
Assoc. Prof., Cell biology, Microbiology, Genetics, Physiology, Balneo-climatology, Hydrothermotherapy - from **20.02.2023**
Lecturer, 28.09.2020 – 15.02.2021 – associate teaching staff; from 15.02.2021 – 19.02.2023 – teaching staff
- "Bagdasar-Arseni" Emergency Clinical Hospital in Bucharest**
Research Center for Rehabilitation, Physical Medicine and Balneology
 Scientific Researcher III, Dr., Principal Biologist
 Employment contract for an indefinite period, from 11/15/2017,,
 From 01/02/2018 - Change of contract with ½ rate (3.5h/day) - **indefinite period**
- Biosafety LTD**
 President of the Board of Directors, General Director / Administrator
 Scientific Researcher III – Dr. Specialist Biologist
 2011 – 2014; from February 2016 until 28.12.2017; **from 17.02.2022 for a 4 years term**
- "Ovidius" University of Constanța**
 Scientific Researcher III Cell Biology Platform, Research Center for. Morphological and Genetic Study in Malignant Pathology
 From December 7, 2020 - until February 15, 2021
- Association Forța Tinerilor ("The Strength of Youth") - FORTIN**
 President of the association between 24/09/2001 – 14/10/2014,
 Member of the association from 14/10/2014 until now
European project POCU 112863 "FORTIN for Satu Nou, Mircea Voda - the transformation of a marginalized community into a prosperous community", FORTIN - Youth Strength Association, Project Manager (15.02.2018 – 15.02.2021)
- Romanian Association of Balneology**
 Secretary General / founder (October 2010 – July 2014)
President, from July 2014 until now
European project POSDRU 145923 "Development of the social economy by exploiting the spa potential"
Project Manager (October 2014 – December 2015),
Marketing Agency Manager (January 2016 – November 2017)
- "Iuliu Hațieganu" University of Medicine and Pharmacy, Cluj-Napoca**
 University lecturer (25-26 January 2018; 16.01 - 30.06.2019; 16.01 - 30.06.2020)
 Course title: Balneology - prophylaxis and treatment in spa resorts
- Romanian Society of Physical Medicine, Rehabilitation and Balneoclimatology**
 Vice President for Academic Activity and EMC from January 2018 until now
Reconfirmed for a new 4-year term (2020-2024)
- The Romanian Tourism Marketing Organization (OMTR)**
 Founding member of the association,
 Representative of the Romanian Balneology Association within OMTR, Censor during 09/09/2014 – present
- MakeDesign Company LTD - Balneo Publishing House / Balneo and PRM Research Journal**
 Chief Editor, Director of Balneo Publishing House - coordination and management of editorial projects
 31/01/2011 - until now
- National Institute of Rehabilitation, Physical Medicine and Balneoclimatology, Bucharest**
 Scientific Researcher III – Dr., Specialist Biologist
 01/11/2002 – 10/08/2015
- Institute of Normal and Pathological Physiology "D. Danielopolu", Bucharest**
 Trainee scientific research assistant – Biologist (01/03/2002 – 01/11/2002)
 Employed by competition, exam average 9.90

PROJECTS / RESEARCH GRANTS - National Budget Funds

24/06/2022 – 23.06.2024	Project manager - COMBINED METHOD BASED ON HYPERSPECTRAL IMAGING AND BIOLOGICAL INVESTIGATIONS FOR ASSESSING THE EFFECTS OF SOME THERAPEUTIC NATURAL FACTORS IN NEURO-MIO-ARTHRO-KINETIC PATHOLOGY DISEASES [BIOHIS], 649PED / 24/06/2022, (PN-III-P2-2.1-PED-2021-2146), https://biohis.projects.umfiasi.ro/
01/10/2003 - 30/09/2005	Project manager –"Correlation between the systemic impact of mineral waters rich in lithium and the molecular changes induced in glial cells in vitro" – VIASAN program; Project financed by the Academy of Medical Science
01/10/2003 - 10/10/2004	Experimental activity coordinator - "Study at the cellular and molecular level of the effects of laser radiation on normal cells and pathology" – VIASAN program; Project financed by the Academy of Medical Science
17/09/2004 – 18/06/2006	Experimental activity coordinator - "Mechanisms of hormonal protection of cardiomyocytes subjected to oxidative stress" – VIASAN program; Project financed by the Academy of Medical Science
01/12/2004 – 30/10/2006	Experimental activity coordinator - "In vitro studies on the mechanism of fibrogenesis induced by metal cytotoxicity" - CERES program; Project financed by the Research Ministry
01/10/2008 - 30/10/2011	Experimental activity coordinator - "Complex medico-biological study with a view to the innovative use of potentially therapeutic factors from the salt pan and cave in health and balneoclimatic tourism; their modeling solutions", PARTNERSHIP program; Project financed by the Research Ministry

14/09/2007 – 30/10/2009 **Contract Responsible**, Modernization of the research infrastructure in order to test the therapeutic capacity of natural factors in spa resorts through immunological, cell biology and physiological studies carried out by specialized laboratories of the National Institute of Rehabilitation, Physical Medicine and Balneoclimatology, CAPACITIES, contract no. 34/2007, Project financed by National Authority for Scientific Research

RESEARCH PROJECTS FROM EUROPEAN FUNDS

2023 – 2026 -48 months **Team member** - STRATIF-AI - CONTINUOUS STRATIFICATION FOR IMPROVED PREVENTION, TREATMENT, AND REHABILITATION OF STROKE PATIENTS USING DIGITAL TWINS AND AI-European project n 101080875 - STRATIF-AI, approved financing, duration 48 months

Other PROJECTS from EUROPEAN FUNDS

15/10/2014 – 31/12/2015 **Project manager** - European project **POSDRU 145923**: Development of the social economy by capitalizing on the spa potential", Romanian Association of Balneology

15.02.2018 – 15.02.2021 **Project manager** - European project **POCU 112863**, „FORTIN for Satu Nou, Mircea Voda - the transformation of a marginalized community into a prosperous community”, FORTIN Youth Strength Association

ORGANIZATION OF SCIENTIFIC EVENTS

15/11/2015 – 1/05/2016 President of the Organizing Committee of the 41st World Congress of the International Society of Medical Hydrology, Bucharest, held between 19 – 21 May 2016 - <http://bioclima.ro/ismh2016.html>

01/11/2016 – 7/05/2017 President of the Organizing Committee of the National Balneology Congress held between May 4 and 7, 2017 at Baile Govora - <http://bioclima.ro/Congres.php>

01/11/2017 – 6/05/2018 President of the National Congress of Rehabilitation, Physical Medicine and Balneology held between May 22 and 26, 2018 in Cluj-Napoca and Turda - <http://bioclima.ro/ENGCongress.php>

01/03/2019 – 10/09/2019 President of the National Congress of Physical Medicine, Rehabilitation and Balneology held between September 4 and 6, 2019 in Galați - <http://bioclima.ro/Congres2019.php>

01/03/2020 – 10/09/2020 President of the National Congress of Physical Medicine, Rehabilitation and Balneology held between 02 and 05 September 2020 online - <https://bioclima.ro/2020.php>

01/03/2021 – 10/09/2021 President of the National Congress of Physical Medicine, Rehabilitation and Balneology held between 01 and 05 September 2021 in Covasna - <https://bioclima.ro/Congres2021.php>

01/03/2022 – 10/09/2022 President of the National Congress of Physical Medicine, Rehabilitation and Balneology held between 01 and 10 September 2022 in Slanic Moldova and Techirghiol - <https://bioclima.ro/Congres2022.php>

MANAGERIAL ACTIVITY

01/11/2009 – 10/08/2015 **Head of the Cell Culture Laboratory** - National Institute of Rehabilitation, Physical Medicine and Balneoclimatology - research projects submitted for funding

01/04/2016-15/11/2017 **Marketing Agency Manager** – Romanian Association of Balneology; Coordinator of marketing projects, advertising, organizing Balnear Tourism events

06/10/2012 – 2018 **Consultant Secretary - Permanent Commission on Speleotherapy** / Commission permanente de spéléothérapie (PCS/CPS- Union Internationale de Spéléologie UIS)

31/01/2011 – until now **Director of Balneare Publishing House, Editor-in-Chief** – MakeDesign Company SRL, Coordonator proiecte editoriale, Editor Șef al Balneo-Research Journal

24/09/2001 – 14/10/2014 **President** – FORTIN Youth Force Association; Development and Coordination of youth projects

29/09/2010 – until now **General Secretary / President since July 2014** – Romanian Association of Balneology; Development and coordination of programs and projects for Spa Tourism

13/05/2011 - 01/11/2011 **General Manager - BIOSAFETY LTD**
Coordination of company projects and contracts, management of research contracts

15/02/2016 – 8/12/2017 **Administrator, President of the Board of Directors of BIOSAFETY LTD**

09/09/2014 – until now **Censor of the Romanian Tourism Marketing Organization (OMTR)**

TEACHING EXPERIENCE / Lecturer / Trainer

- Trainer in the professional training program for the occupation of Orthopedic Technician (2011), Trainer, Personal Assistant, Sanitary Mediator, Masseur Technician, Nurse, Tour Guide Agent, Chamberlain, Waiter, Holiday Center Animator (2015) - authorized by the Romanian Association of Balneology;
- Trainer in the professional training program for the occupation of Environmental Technician and environmental quality protection, authorized by BIOSAFETY LTD in 2011;
- Lecturer - course "Balneotherapy - prophylaxis and treatment in spa resorts, UMF Iuliu Hațieganu Cluj-Napoca, 2018 - 2020

Social abilities Coordination, teamwork, motivating subordinates, leading project teams

Competent organization Infrastructure management, provision of necessary materials, acquisition, management

Technical skills spectrophotometry, fluorescence, atomic absorption spectrometry, electrophoresis, ELISA, cell cultures

PC skills Microsoft Office, Web Design, Basic statistics knowledge: SPSS, Statistics

Scientific articles indexed and ISI rated (with impact factor - IF) (2014 - 2023)

1. Munteanu C, Turnea MA, Rotariu M. Hydrogen Sulfide: An Emerging Regulator of Oxidative Stress and Cellular Homeostasis—A Comprehensive One-Year Review. *Antioxidants*. 2023; 12(9):1737. IF: 7, <https://doi.org/10.3390/antiox12091737>
2. Dogaru BG, Munteanu C. The Role of Hydrogen Sulfide (H₂S) in Epigenetic Regulation of Neurodegenerative Diseases: A Systematic Review. *International Journal of Molecular Sciences*. 2023; 24(16):12555. IF: 5.6, <https://doi.org/10.3390/ijms241612555>
3. Gurau TV, Gurau G, Voinescu DC, Anghel L, Onose G, Iordan DA, Munteanu C, Onu I, Musat CL. Epidemiology of Injuries in Men's Professional and Amateur Football (Part I). *Journal of Clinical Medicine*. 2023; 12(17):5569. IF: 3.9, <https://doi.org/10.3390/jcm12175569>
4. Constantin Munteanu, Mihail Hoteteu, Diana Munteanu and Gelu Onose - The effects of Mineral Waters from Slănic Moldova's Spring 1 and Spring 1 bis on Fibroblast activity: An In Vitro Study. *Balneo and PRM Research Journal*. 2023;14(3):591 DOI 10.12680/balneo.2023.591, IF: 1.5, <http://bioclima.ro/Balneo591.pdf>
5. Constantin Munteanu, Mihail Hoteteu, Diana Munteanu and Gelu Onose - Mineral waters from Spring 1 and Spring 1 bis from Slănic Moldova - molecular mechanisms responsible for triggering the prophylactic and therapeutic effects. *Balneo and PRM Research Journal*. 2023;14(3):592 Full Text DOI 10.12680/balneo.2023.592, IF: 1.5, <http://bioclima.ro/Balneo592.pdf>
6. Pop MS, Cheregi DC, Onose G, Munteanu C, Popescu C, Rotariu M, Turnea M-A, Dogaru G, Ionescu EV, Oprea D, et al. Exploring the Potential Benefits of Natural Calcium-Rich Mineral Waters for Health and Wellness: A Systematic Review. *Nutrients*. 2023; 15(14):3126. Corresp. author, IF: 5.9, <https://doi.org/10.3390/nu15143126>
7. Munteanu C., Onose G., Turnea M. A., Rotariu, M. Cellular and Molecular Homeostatic Microenvironmental imbalances in Osteoarthritis and Rheumatoid Arthritis. *Balneo and PRM Research Journal*, DOI: 10.12680/balneo.2023.564, IF: 1.5, <http://bioclima.ro/Balneo564.pdf>
8. Munteanu, C.; Călin, M.A.; Manea, D.; Popescu, C.; Iliescu, M., Stanciu, L.; Minea, M.; Oprea, C.; Oprea, D.; Rotariu, M.; Onose, G. - Current data regarding homeostasis of tissues oxygenation in pathophysiological and therapeutic circumstances. *Balneo and PRM Research Journal*, DOI: 10.12680/balneo.2023.565, IF: 1.5, <http://bioclima.ro/Balneo565.pdf>
9. Simona Isabelle Stoica Gelu Onose Mihail Hoteteu Constantin Munteanu - Effects of ethanol and deferoxamine on rat primary glial cell cultures, in regard with ischemia induced by traumatic spinal cord injury *Balneo and PRM Research Journal*, DOI: 10.12680/BALNEO.2022.502, WOSUID: WOS:000822430700002, IF: 1.5, <http://bioclima.ro/Balneo502.pdf>
10. Anghelescu A, Firan FC, Onose G, Munteanu C, Trandafir A-I, Ciobanu I, Gheorghiuța Ș, Ciobanu V. -PRISMA Systematic Literature Review, including with Meta-Analysis vs. Chatbot/GPT (AI) regarding Current Scientific Data on the Main Effects of the Calf Blood Deproteinized Hemoderivative Medicine (Actovegin) in Ischemic Stroke. *Biomedicines*. 2023; 11(6):1623., Corresponding author, IF: 6.081, <https://doi.org/10.3390/biomedicines11061623>
11. Munteanu C. - Hydrogen Sulfide and Oxygen Homeostasis in Atherosclerosis: A Systematic Review from Molecular Biology to Therapeutic Perspectives. *International Journal of Molecular Sciences*. 2023; 24(9):8376. <https://doi.org/10.3390/ijms24098376>, Impact Factor: 6.208
12. Stoica, S.I.; Onose, G.; Pitica, I.M.; Neagu, A.I.; Ion, G.; Matei, L.; Dragu, L.D.; Radu, L.-E.; Chivu-Economescu, M.; Necula, L.G.; Anghelescu, A.; Diaconu, C.C.; Munteanu, C.; Bleotu, C. - ***Molecular Aspects of Hypoxic Stress Effects in Chronic Ethanol Exposure of Neuronal Cells***. *Curr. Issues Mol. Biol.* 2023, 45, 1655-1680. <https://doi.org/10.3390/cimb45020107> Corresponding author, IF 2,976
13. Onose G, Anghelescu A, Ionescu A, Tataranu LG, Spînu A, Bumbea AM, Toader C, Tuță S, Carare RO, Popescu C, Munteanu C., Collaborative Working Group, and Daia C - ***Translation of the Fugl-Meyer assessment into Romanian: Transcultural and semantic-linguistic adaptations and clinical validation***. *Front. Neurol.* 2023, 13:1022546. doi: 10.3389/fneur.2022.1022546, Corresponding author, IF: 4,086, <https://www.frontiersin.org/articles/10.3389/fneur.2022.1022546/full#h12>,
14. Munteanu, C.; Rotariu, M.; Turnea, M.; Tătăranu, L.G.; Dogaru, G.; Popescu, C.; Spînu, A.; Andone, I.; Ionescu, E.V.; Țucmeanu, R.E.; Oprea, C.; Țucmeanu, A.; Cseppento, C.N.; Silișteanu, S.C.; Onose, G. - ***Lithium Biological Action Mechanisms after Ischemic Stroke***. *Life* 2022, 12, 1680. <https://doi.org/10.3390/life12111680>, IF 3,251
15. Munteanu, C.; Rotariu, M.; Turnea, M.; Ionescu, A.M.; Popescu, C.; Spînu, A.; Ionescu, E.V.; Oprea, C.; Țucmeanu, R.E.; Tătăranu, L.G.; Silișteanu, S.C.; Onose, G. - ***Main Cations and Cellular Biology of Traumatic Spinal Cord Injury***. *Cells* 2022, 11, 2503. <https://doi.org/10.3390/cells11162503>, IF 7,666
16. Munteanu, C.; Rotariu, M.; Turnea, M.-A.; Anghelescu, A.; Albadi, I.; Dogaru, G.; Silișteanu, S.C.; Ionescu, E.V.;

- Firan, F.C.; Ionescu, A.M.; Oprea, C.; Onose, G. - *Topical Reappraisal of Molecular Pharmacological Approaches to Endothelial Dysfunction in Diabetes Mellitus Angiopathy*. *Curr. Issues Mol. Biol.* 2022, 44, 3378-3397. <https://doi.org/10.3390/cimb44080233>, IF 2,976
17. Munteanu, C.; Rotariu, M.; Turnea, M.; Dogaru, G.; Popescu, C.; Spînu, A.; Andone, I.; Postoiu, R.; Ionescu, E.V.; Oprea, C.; Albadi, I.; Onose, G. *Recent Advances in Molecular Research on Hydrogen Sulfide (H₂S) Role in Diabetes Mellitus (DM)—A Systematic Review*. *Int. J. Mol. Sci.* 2022, 23, 6720. <https://doi.org/10.3390/ijms23126720>, Impact Factor: 6.208
18. Angheliescu, A.; Onose, G.; Popescu, C.; Băilă, M.; Stoica, S.I.; Postoiu, R.; Brumă, E.; Petcu, I.R.; Ciobanu, V. and Munteanu, C. - *Parkinson's Disease and SARS-CoV-2 Infection: Particularities of Molecular and Cellular Mechanisms Regarding Pathogenesis and Treatment*. *Biomedicines* 2022, 10, 1000. doi: [10.3390/biomedicines10051000](https://doi.org/10.3390/biomedicines10051000), Impact Factor: 6.081
19. Stoica, S.I.; Bleotu, C.; Ciobanu, V.; Ionescu, A.M.; Albadi, I.; Onose, G.; Munteanu, C. - *Considerations about Hypoxic Changes in Neuraxis Tissue Injuries and Recovery*. *Biomedicines* 2022, 10, 481. doi: [10.3390/biomedicines10020481](https://doi.org/10.3390/biomedicines10020481), Impact Factor: 6.08
20. Onose Gelu, Angheliescu Aurelian, Blendea Dan, Ciobanu Vlad, Firan Carmen Florentina, Daia Cristina, Oprea Mihaela, Spinu Aura, Popescu Cristina, Ionescu Anca, Busnatu Ștefan and Munteanu Constantin. - *Cellular and Molecular Targets for Non-Invasive, Non-Pharmacological Therapeutic/Rehabilitative Interventions in Acute Ischemic Stroke*. *International Journal of Molecular Sciences*. 2022; 23(2):907. <https://doi.org/10.3390/ijms23020907>, Impact Factor: 6.208
21. Gelu Onose, Aurelian Angheliescu, Corneliu Dan Blendea, Vlad Ciobanu, Cristina Octaviana Daia, Florentina Carmen Firan, Constantin Munteanu, Mihaela Oprea, Aura Spinu, Cristina Popescu. - *Non-invasive, non-pharmacological/bio-technological interventions towards neurorestoration upshot after ischemic stroke, in adults—systematic, synthetic, literature review*. *Frontiers in Bioscience-Landmark*. 2021. 26(11); 1204-1239, Impact Factor: 4.009, Autor principal: All authors had specific but overall equal contributions in achieving this article. <https://www.fbscience.com/Landmark/articles/pdf/Landmark5020.pdf>
22. Cristina Daia, MUNTEANU Constantin, Ioana Andone, Aura Spinu, Cristina Popescu, Corneliu Toader, Gelu Onose. - *Polydipsia-polyuria syndrome associated with traumatic spinal cord injury*. *Signa Vitae*. 2021. doi:10.22514/sv.2021.104. <https://oss.signavitae.com/mre-signavitae/article/20211108-653/pdf/SV2021032303.pdf>, Impact Factor: 0,630
23. Adriana Elena Bulboaca, Paul-Mihai Boarescu, Alina Silvia Porfire, Gabriela Dogaru, Cristina Barbalata, Madalina Valeanu, MUNTEANU Constantin, Ruxandra Mioara Răjnovceanu, Cristina Ariadna Nicula and Ioana Cristina Stanescu - *The Effect of Nano-Epigallocatechin-Gallate on Oxidative Stress and Matrix Metalloproteinases in Experimental Diabetes Mellitus*, *Antioxidants* 2020, 9, 172; www.mdpi.com/journal/antioxidants, doi:10.3390/antiox9020172, Impact Factor: 4.520, <https://www.mdpi.com/2076-3921/9/2/172>
24. Gabriela Dogaru, Adriana Bulboaca, Paul Mihai Boarescu, Lorena Ciumărnean, Vasile Rus, Adela-Viviana Sitar-Tăut, MUNTEANU Constantin, Gyorgy Bodisz and Ioana Stănescu - *The Effect of Carbonated Natural Mineral Water on Oxidative Stress in Experimental Myocardial Ischemia, in vivo* 33 1911-1920 (2019), doi:1021873/invivo.11685, Impact Factor: 1,609, <https://iv.iarjournals.org/content/33/6/1911>
25. Gabriela Dogaru, Adriana Bulboaca, Ioana Stanescu, Vasile Rus, Bodizs Gyorgy, Lorena Ciumarnean, MUNTEANU Constantin, Paul Mihai Boarescu, Adriana Neagos, Dana Festila - *The Effect of Mofettes on Oxidative Stress / Antioxidant Balance in Experimental Myocardial Ischemia*, 2019, *REVISTA DE CHIMIE* 70 (7), 2677-2680, Impact Factor: 1,605, <https://www.revistadechimie.ro/Articles.asp?ID=7404>
26. Gelu Onose, Nirvana Popescu, MUNTEANU Constantin, Vlad Ciobanu, Corina Sporea, Marian-Daniel Mirea, Cristina Daia, Ioana Andone, Aura Spinu and Andrada Mirea - *Mobile Mechatronic/ Robotic Orthotic Devices to Assist-Rehabilitate Neuromotor Impairments in the Upper Limb: A Systematic and Synthetic Review*, 2018, *Front. Neurosci.* | doi: 10.3389/fnins.2018.00577, Impact Factor: 3.877, <https://www.frontiersin.org/articles/10.3389/fnins.2018.00577/full>
27. Radu Marian Serban, Nicolae Crăciun, MUNTEANU Constantin, Diana Munteanu, Gheorghe Stoian - *'CERAMIUM RED ALGAE EXTRACT ENRICHED IN BIOLOGICAL ACTIVE COMPOUNDS HAS A RADIOPROTECTIVE EFFECT'* 'HFSP' journal (ISSN: 1955-2068), Vol. 10 (no 2, 2016), Impact Factor: 2.467, <http://www.hfsp-journal.org/hfsp/index.php/archive/part/14/11/1/?currentVol=14¤tissue=11>
28. Mihaela Antonina Călin, Marian Romeo Călin, MUNTEANU Constantin – *Determination of the complex refractive index of cell cultures by reflectance spectrometry*, *Eur. Phys. J. Plus* (2014) 129:116; DOI: 10.1140/epjp/i2014-14116-1, Impact Factor: 1,377 <https://link.springer.com/article/10.1140/epjp/i2014-14116-1>

Scientific books / monographs

1. **Hidrotermoterapie** / MUNTEANU Constantin, CONDURACHE Mihaela-Iustina, ROTARIU Mariana. – Iași: Editura Gr. T. Popa, 2021, ISBN 978-606-544-854-4; DOI: 10.22551/978-606-544-854-4
2. **Hidrothermotherapy** / MUNTEANU Constantin, CONDURACHE Mihaela-Iustina, ROTARIU Mariana. – Iași: Editura Gr. T. Popa, 2021, ISBN 978-606-544-853-7; DOI: 10.22551/978-606-544-853-7
3. **Balneoclimatologie** / MUNTEANU Constantin, ROTARIU Mariana, AVRAM Mihaela-Iustina. – Iași: Editura Gr. T. Popa, 2021, ISBN 978-606-544-796-7; DOI: 10.22551/978-606-544-796-7
4. **Balneoclimatology** / MUNTEANU Constantin, ROTARIU Mariana, AVRAM Mihaela-Iustina. – Iași: Editura Gr. T. Popa, 2021, ISBN 978-606-544-852-0; DOI: 10.22551/978-606-544-852-0
5. **Ape minerale litinifere** / MUNTEANU Constantin, Diana Munteanu. - București : Editura Balneară, 2011, ISBN 978-606-92826-0-1, DOI: <http://dx.doi.org/10.12680/978-606-92826-0-1>
6. **Ecologie și protecția calității mediului** / MUNTEANU Constantin, Mioara Dumitrașcu, Romeo-Alexandru Iliuță – București : Editura Balneară, 2011, ISBN 978-606-92826-9-4
7. **Rolul estrogenului în cardioprotecție** / MUNTEANU Constantin, Horia Lăzărescu, Diana Munteanu. - București : Editura Balneară, 2011, ISBN 978-606-92826-7-0
8. **Cercetarea științifică a factorilor naturali terapeutici** / MUNTEANU Constantin, Delia Cinteza. - București : Editura Balneară, 2011, ISBN 978-606-92826-8-7;
9. **Nămolul terapeutic** / MUNTEANU Constantin. - București : Editura Balneară, 2012, ISBN 978-606-93159-1-0
10. **Ape terapeutice clorurate-sodice** / MUNTEANU Constantin, Diana Munteanu. - București : Editura Balneară, 2012, ISBN 978-606-93159-0-3
11. **Ape alcaline** / MUNTEANU Constantin, Delia Cinteza, Daniela Poenaru, Diana Munteanu. - București : Editura Balneară, 2012, ISBN 978-606-93159-8-9
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4. MUNTEANU Constantin, MUNTEANU Diana, DOGARU Gabriela, ONOSE Gelu - Therapeutic gases in medical rehabilitation and balneotherapy – medical relevance and scientific new data – Romanian Congress of Physical and Rehabilitation Medicine & Balneology, 01-05 September 2021, Covasna, Abstracts Volume, Balneo and PRM Research Journal. 2021;12(3): L51 DOI: http://dx.doi.org/10.12680/balneo.2021.452 , eISSN: 2734-8458 pISSN: 2734-844X, http://bioclima.ro/Balneo452.pdf
5. MUNTEANU Constantin, MUNTEANU Diana, ROTARIU Mariana, DOGARU Gabriela, ONOSE Gelu - Mud therapy— new scientific and medical relevance – Romanian Congress of Physical and Rehabilitation Medicine & Balneology, 01-05 September 2021, Covasna, Abstracts Volume, Balneo and PRM Research Journal. 2021;12(3): L55 DOI: http://dx.doi.org/10.12680/balneo.2021.452 , eISSN: 2734-8458 pISSN: 2734-844X, http://bioclima.ro/Balneo452.pdf
6. MUNTEANU Constantin, MUNTEANU Diana - Thalassotherapy — scientific and medical relevance – Romanian Congress of Physical and Rehabilitation Medicine & Balneology, 01-05 September 2021, Covasna, Abstracts Volume, Balneo and PRM Research Journal. 2021;12(3): L56 DOI: 10.12680/balneo.2021.452 , eISSN: 2734-8458 pISSN: 2734-844X, http://bioclima.ro/Balneo452.pdf
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8. MUNTEANU Constantin, IONESCU-TÎRGOVIȘTE Constantin, DOGARU Gabriela, ONOSE Gelu, CARNICIU Simona - THEORETICAL AND PRACTICAL CONSIDERATIONS REGARDING THE EXPLOITABLE SANOGENIC ASSOCIATIONS BETWEEN DIFFERENT MINERAL WATERS AND DIFFERENT DIETS – Romanian Congress of Physical and Rehabilitation Medicine & Balneology, 01-05 September 2021, Covasna, Abstracts Volume, Balneo and PRM Research Journal. 2021;12(3): L68 DOI: http://dx.doi.org/10.12680/balneo.2021.452 , eISSN: 2734-8458 pISSN: 2734-844X, http://bioclima.ro/Balneo452.pdf
9. BULATA Gabriela, MUNTEANU Constantin - WATER CHARACTERISTICS AND FOOD COMPLEMENTARITIES – Romanian Congress of Physical and Rehabilitation Medicine & Balneology, 01-05 September 2021, Covasna, Abstracts Volume, Balneo and PRM Research Journal. 2021;12(3): L71 DOI: 10.12680/balneo.2021.452 , eISSN: 2734-8458 pISSN: 2734-844X, http://bioclima.ro/Balneo452.pdf
10. TIMOFTI Marian, MUNTEANU Constantin - AQUA SOMMELIER—education to see the water through a new paradigm – Romanian Congress of Physical and Rehabilitation Medicine & Balneology, 01-05 September 2021, Covasna, Abstracts Volume, Balneo and PRM Research Journal. 2021;12(3): L72 DOI: 10.12680/balneo.2021.452 , eISSN: 2734-8458 pISSN: 2734-844X, http://bioclima.ro/Balneo452.pdf
11. ANGHELESCU Aurelian, MAGDOIU Anca Magdalena, MUNTEANU Costantin, ONOSE Gelu - ISSUES OF THE REHABILITATIVE MANAGEMENT IN PATIENTS WITH CHRONIC, PRE-EXISTING NEUROLOGIC CONDITIONS, DURING COVID-19 ERA – Romanian Congress of Physical and Rehabilitation Medicine & Balneology, 01-05 September 2021, Covasna, Abstracts Volume, Balneo and PRM Research Journal. 2021;12(3): L123 DOI: http://dx.doi.org/10.12680/balneo.2021.452 , eISSN: 2734-8458 pISSN: 2734-844X, http://bioclima.ro/Balneo452.pdf
12. CALIN Mihaela Antonina, MUNTEANU Constantin, MACOVEI Adrian, MANEA Dragoș, SAVASTRU Roxana - HYPERSPECTRAL IMAGING IN HYPERBARIC OXYGEN THERAPY – Romanian Congress of Physical and Rehabilitation Medicine & Balneology, 01-05 September 2021, Covasna, Abstracts Volume, Balneo and PRM Research Journal. 2021;12(3): L126 DOI: http://dx.doi.org/10.12680/balneo.2021.452 , eISSN: 2734-8458 pISSN: 2734-844X, http://bioclima.ro/Balneo452.pdf
13. MUNTEANU Constantin, MUNTEANU Diana, ONOSE Gelu - Hydrogen Sulphide (H ₂ S) – Origin, Physical, Chemical, and Biochemical Properties, Share of Spa Resources, Medical Relevance, and Scientific Substantiation of Therapeutic Mechanisms - Anniversary Conference - hybrid event Multidisciplinary approach in patient recovery with sensory-neuro-myo-arthro-kinetic deficit,

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PARTICIPATION IN INTERNATIONAL SCIENTIFIC COMMUNICATIONS AND EXHIBITIONS

July 17-22, 2004	International Biochemistry Conference - Bioscience2004, Glasgow, Great Britain
May 19-21, 2005	Balkan Scientific Conference on Biology, Plovdiv, Bulgaria
August 13-18, 2005	60 th Harden Conference of Inositol, Ambleside, Marea Britanie
July 8-12, 2006	FENS-The Federation of European Neuroscience Societies Forum, Viena, Austria
May 4-7, 2010	ESPA Annual Congress - of European Spas, Baile Felix, Romania
May, 24-27 2011	XVI Congress of the European Association of Sea Resorts, Belek, Turkey
May 28- June 2, 2012	BALWOIS 2012 - 28 May to 2 June 2012 - Ohrid, Republic of Macedonia
June 20-23, 2012	38th ISMH International Congress, Lanjaron, Spain
July 14-18, 2012	8 th FENS Forum of Neuroscience 2012, Barcelona, Spain
October 4-6, 2012	The XIV-th International Symposium of Speleotherapy , Turda, Romania
July 21-28, 2013	16th International Congress of Speleology, Brno, Cehia
October 22-23, 2013	International Scientific-Practical Conference – Perspectives for Speleotherapy – Soltvino, Ucraina
May 11-14, 2014	Congress of International Society of Medical Hydrology and Climatology – ISMH, Kyoto, Japan
October 9. - 12.2014	4th Balkan Spa Summit, INFO, Hotel Well - Terme Tuhelj, Croatia
23 - 25 October 2014	The XV-th International Symposium of Speleotherapy, Wieliczka, Poland
6 – 7 November 2014	7th International Balkan Forum, , Hotel Margi, Edirne, Turkey
5 – 8 November 2015	5th BalkanSpa Health & Wellness Summit, Thermana Lasko, Slovenia
25 – 29 August 2015	40th ISMH World Congress, Rio de Janeiro, Brazil
10-13 September 2015	XXV Congress of the Polish Association of Balneology and Physical Medicine, Polańczyk, Poland
March 17-18, 2016	2nd International Congress on Thermal Medicine, Moscow, Rusia
2 - 5 July 2017	IGDIR University - 1st INTERNATIONAL SALT THERAPY , WORKSHOP, Igdir, Turkey
19 – 21 May, 2016	41st ISMH World Congress, Parliament Palace, Bucharest, Romania
14 – 17 Sept., 2017	XXVI (XXX) Congres National de Balneologie din Polonia, Szczawnica
01 – 06 May 2018	21 st European Congress of Physical and Rehabilitation Medicine (ESPRM), Vilnius, Lithuania
10 – 13 June 2018	43th ISMH World Congress, Amarante, Portugal
08 – 12 July 2018	12 th International Society of Physical and Rehabilitation Medicine Congress, Paris, France
30 May – 04 Nov 2018	FEMTEC 201871° General Assembly and International Scientific Congress, Batumi, Georgia
15 November 2018	CURATIVE MUD CONFERENCE - “Quo Vadis Estonian Curative Mud?”, Haapsalu, Estonia
13-16 June, 2019	ISMH - 44. World Congress of ISMH, Wieliczka, Poland
April 11, 2019	Conference: Balneology – Potential and Benefits for Human Health in a European Context, Ispra, Italy
16-20 October 2019	72nd Annual Congress of FEMTEC, Miraggio Thermal Spa – Halkidiki, Greece
4-9 March 2020	14 th ISPRM Congress, Orlando, Florida, USA
10 & 11 June 2021	45th ISMH Congress, Dax – France
12/06/2021-15/06/2021	15 th VIRTUAL ISPRM 2021 CONGRESS, Virtual, Italy
6-8 August 2021	4th Asia Oceanian Congress of Neuro Rehabilitation - AOCNR 2021, Invited Guest Lecture
3-7 July 2022	16 th ISPRM Congress, Lisboa, Portugal
13-15 July 2023	27TH ASIAN PACIFIC SOCIETY OF CARDIOLOGY CONGRESS, SINGAPORE