

Prenume / Nume

Conf. Univ. dr. Constantin MUNTEANU



Funcție / Poziție

Doctor în Biologie, Master Neurobiologie, Biolog pr., C.S. II

Research ID:

ACM-9541-2022

Data nasterii: 23.07.1978

Adresa

Aleea Dobrina, nr. 7, Bl. D10, Sc. A, Ap.4, sect. 2, Bucharest, Romania

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Membru OBBCSSR

Registrul Unic Național cu cod de parafa 211714

EDUCATIE

Doctor in Biologie, Universitatea din Bucuresti, Facultatea de Biologie, cu distincția CUM LAUDE, Diploma Seria G, nr. 0005456, in baza Ordinului MECI nr. 4226 din 15.06.2010, Nivel educatie: ISCED 8, 2003-2010

TEZA: "Răspunsul glial la litiu și apa minerală litiniferă MARIA de la Malnaș-Băi, și relevanta acestuia în terapia maniaco-depresiei", coordonator Prof. Dr. Lotus Meșter

Master in Neurobiologie, Universitatea din Bucuresti, Facultatea de Biologie, **Diploma seria C, nr. 0005142 din 2003**, Nivel educatie: ISCED 7, 2001-2003

TEZA: "Analiza sistemica si sistematica a informatiilor biologice si biosociale", Coordonator Lector Dr. Carmen Strungaru

Licentiat in Biologie, Universitatea din Bucuresti, Facultatea de Biologie **Diploma seria S, nr. 0032664 din 2000**, Nivel educatie: ISCED 6, 1996-2000

TEZA: Investigarea activitatii imunomodulatoare a unor fractiuni proteice placentare in sisteme de citotoxicitate NK, Coordonator Lector Dr. Doru Gabor

2002 **Bursa ERASMUS**, Max Planck Institute, Andechs, Bavaria, Germania, Human Ethology

2003 **Curs** - Institutul de Biologie și Patologie Celulară "N. Simionescu", curs de perfecționare: "De la biologia celulară la medicina secolului XXI"

2004 **Neuroscience Course**, International Brian Research Organization, Universitatea din București,

2007 Examen **BIOLOG SPECIALIST**, în specialitatea **Biologie Aplicata**, O. MS nr. 1119/2007

2011 **FORMATOR** – Certificat de absolvire Seria G, Nr. 00218009

2012 **Curs Conducerea subordonaților**, Online Business School

2017 19 - 20 Octombrie Curs "Recuperare robotica/ dispozitive portabile avansate", CNCRNC

2018 05 - 07 Septembrie Curs "Proceduri avansate de Neurorecuperare", CNCRNC

2019 Examen **BIOLOG PRINCIPAL**, în specialitatea **Biologie Aplicata**, O. MS nr. 1200/2019

2019 **Competențe Antreprenoriale** – Certificat de absolvire Seria M, Nr. 00049140

2020 **Manager Proiect** – Certificat de absolvire Seria M, Nr. 00336451

2020 **Expert Achiziții Publice** – Certificat de absolvire Seria M, Nr. 00367409

PERFECTIONARE / SPECIALIZARE

Limbi straine:

Engleza

Franceza

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

Membru Societăți Profesionale Internaționale

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

Membru Societăți Profesionale Naționale

- Asociația Română de Balneologie (ARB) - președinte
- Societatea Română de Medicină Fizică, de Recuperare și Balneoclimatologie (SRMFRB) - vicepreședinte
- Societatea Română de Patologie, Terapie și Recuperare Vertebro-Medulare (RoSCoS) - vicepreședinte
- Societatea Română de NeuroReabilitare (RoSNeRa) – membru

Experiența profesională

Institutie	Universitatea de Medicina și Farmacie "Grigore T. Popa" Iași
Pozitia / functia	Facultatea de Bioinginerie Medicală, Specializarea Balneofiziokinetoterapie și Recuperare Conferențiar , Biologie celulară, Microbiologie, Genetică, Fiziologie, Balneo-climatologie, Hidrotermoterapie - din 20.02.2023 Șef Lucrări , 28.09.2020 – 15.02.2021 – cadru didactic asociat; din 15.02.2021 – 13.02.2023 – cadru didactic titular
Institutie	Spitalul Clinic de Urgență „Bagdasar-Arseni” din București
Pozitia / functia	Nucleu de Cercetare Recuperare, Medicina Fizica si Balneologie Cercetator Stiintific III, Dr., Biolog principal Nedeterminată, din 15/11/2017,
Perioada	Din 01/02/2018 - Modificare contract cu ½ norma (3,5h/zi) – perioada nedeterminată
Institutie	Biosafety SRL
	Presedinte al Consiliului de Administratie, Director general / Administrator Cercetator Stiintific III – Dr. Biolog specialist 2011 – 2014; din februarie 2016 până la data de 28.12.2017; din 17.02.2022 pentru un mandat de 4 ani
Pozitia / functia	Universitatea „Ovidius” din Constanța CSIII Platforma Biologie celulară, Centrul de Cercetare pt. Studiul Morfologic și Genetic în Patologia Malignă Din 07 Decembrie 2020 – 15 Februarie 2021
Institutie	Asociația Forța Tinerilor FORTIN
Pozitia / functia	- Președinte al asociației în perioada 24/09/2001 – 14/10/2014, - Membru al asociației din 14/10/2014 până în prezent
Proiect european	„FORTIN pentru Satu Nou, Mircea Voda - transformarea unei comunități marginalizate într-o comunitate prosperă”, Asociația Forța Tinerilor FORTIN, Manager proiect (15.02.2018 – 15.02.2021)
POCU 112863	
Institutie	Asociația Romana de Balneologie
Pozitia / functia	- Secretar General / fondator (octombrie 2010 – iulie 2014), - Presedinte din iulie 2014 până în prezent
Proiect european	„Dezvoltarea economiei sociale prin valorificarea potențialului balnear”
POSDRU 145923	Manager proiect (Octombrie 2014 – Decembrie 2015), Manager Agentie Marketing (Ianuarie 2016 – Noiembrie 2017)
Institutie	Universitatea de Medicina și Farmacie "Iuliu Hațieganu" Cluj-Napoca
Pozitia / functia	Lector universitar (25-26 ianuarie 2018; 16.01 - 30.06.2019; 16.01 – 30.06.2020) Titlul cursului: Balneologie- profilaxie și tratament în stațiunile balneare
Institutie	Societatea Română de Medicină Fizică, de Recuperare și Balneoclimatologie
Pozitia / functia	Vicepreședinte pentru Activitate Academica și EMC din Ianuarie 2018 până în prezent Reconfirmat pentru un nou mandat de 4 ani (2020-2024)
Institutie	Asociația Organizația de Marketing în Turism din România (OMTR)
Pozitia / functia	Membru fondator al asociației, Reprezentant al Asociației Române de Balneologie în cadrul OMTR, Cenzor în perioada 09/09/2014 – prezent
Institutie	MakeDesign Company SRL - Editura Balneară / Balneo and PRM Research Journal
Pozitia / functia	Editor Sef, Director Editura Balneară- coordonarea și managementul proiectelor editoriale
Perioada	31/01/2011 - prezent
Institutie	Institutul National de Recuperare, Medicina Fizica si Balneoclimatologie, Bucuresti
Pozitia / functia	Cercetator Stiintific III – Dr. Biolog specialist
Perioada	01/11/2002 – 10/08/2015
Institutie	Institutul de Fiziologie Normala si Patologica "D. Danielopolu", Bucuresti
Pozitia / functia	Asistent cercetare stiintifica stagiar – Biolog (01/03/2002 – 01/11/2002) Angajat prin concurs, media de examen 9,90

PROIECTE / GRANTURI DE CERCETARE – Fonduri - Buget Național

24/06/2022 – 23.06.2024	Director proiect - METODA COMBINATA BAZATA PE IMAGISTICĂ HIPERSPECTRALA ȘI INVESTIGAȚII BIOLOGICE DE EVALUARE A EFECTELOR UNOR FACTORI NATURALI TERAPEUTICI ÎN AFECȚIUNI DIN SFERA PATOLOGIEI NEURO-MIO-ARTRO-KINETICE [BIOHIS], 649PED din 24/06/2022, (PN-III-P2-2.1-PED-2021-2146)
01/10/2003 - 30/09/2005	Director proiect - „Corelație între impactul sistemic al apelor minerale bogate în litiu și modificările moleculare induse celulelor gliale in vitro” – VIASAN, Director de proiect; Proiect finanțat de ASM
01/10/2003 - 10/10/2004	Coordonator activitate experimentală Proiect „Studiul la nivel celular și molecular al efectelor radiației laser asupra celulelor normale și patologice” – Programul VIASAN
17/09/2004 – 18/06/2006	Coordonator activitate experimentală Proiect „Mecanisme de protecție hormonală a cardiomiocitelor supuse stressului oxidativ” – Programul VIASAN
01/12/2004 – 30/10/2006	Coordonator activitate experimentală Proiect „Studii in vitro privind mecanismul fibrogenezei induse de citotoxicitatea metalelor” - Programul CERES
01/10/2008 - 30/10/2011	Coordonator activitate experimentală Proiect Studiu complex medico-biologic în vederea utilizării inovative a factorilor potențial terapeuți din salină și peșteră în sănătate și turism balneoclimatic; soluții de modelare a acestora, Program PARTENERIATE
14/09/2007 – 30/10/2009	Responsabil de contract , Modernizarea infrastructurii de cercetare în vederea testării capacității terapeutice a factorilor naturali din stațiuni balneare prin studii imunologice, de biologie celulară și fiziologice realizate de laboratoare specializate ale Institutului Național de Recuperare, Medicină Fizică și Balneoclimatologie, CAPACITATI, contract nr.34/2007, Proiect finanțat de ANCS

PROIECTE CERCETARE DIN FONDURI EUROPENE

2023 – 2026 – 48 luni **Team member** - STRATIF-AI - CONTINUOUS STRATIFICATION FOR IMPROVED PREVENTION, TREATMENT, AND REHABILITATION OF STROKE PATIENTS USING DIGITAL TWINS AND AI-
Proiectul European 101080875 - STRATIF-AI, finanțare aprobată, durata 48 luni

PROIECTE FONDURI EUROPENE

15/10/2014 – 31/12/2015 **Manager proiect** - Proiect european **POSDRU 145923**: „Dezvoltarea economiei sociale prin valorificarea potențialului balnear”, Asociația Română de Balneologie,
15.02.2018 – 15.02.2021 **Manager proiect** - Proiect european **POCU 112863**, „FORTIN pentru Satu Nou, Mircea Voda - transformarea unei comunități marginalizate într-o comunitate prosperă”, Asociația Forța Tinerilor FORTIN,

ORGANIZARE EVENIMENTE ȘTIINȚIFICE

15/11/2015 – 1/05/2016 Presedinte al Comitetului de Organizare al celui de al 41-lea Congres Mondial al Societății Internaționale de Hidrologie Medicala, Bucuresti, desfășurat între 19 – 21 Mai 2016 - <http://bioclima.ro/ismh2016.html>
01/11/2016 – 7/05/2017 Presedinte al Comitetului de Organizare al Congresului National de Balneologie desfasurat intre 4 si 7 Mai 2017 la Baile Govora - <http://bioclima.ro/Congres.php>
01/11/2017 – 6/05/2018 Presedinte al Congresului National de Recuperare, Medicină Fizică și Balneologie desfasurat intre 22 si 26 Mai 2018 la Cluj-Napoca și Turda - <http://bioclima.ro/ENGCongress.php>
01/03/2019 – 10/09/2019 Presedinte al Congresului National de Medicină Fizică, Recuperare și Balneologie desfasurat intre 04 si 06 Septembrie 2019 la Galați - <http://bioclima.ro/Congres2019.php>
02/09/2020 – 05/09/2020 Presedinte al Congresului National de Medicină Fizică, Recuperare și Balneologie desfasurat intre 02 si 05 Septembrie 2020 online - <https://bioclima.ro/2020.php>
01/09/2021 – 05/09/2021 Presedinte al Congresului National de Medicină Fizică, Recuperare și Balneologie desfasurat intre 01 si 05 Septembrie 2021 la Covasna - <https://bioclima.ro/Congres2021.php>
03/09/2022 – 10/09/2022 Presedinte al Congresului National de Medicină Fizică, Recuperare și Balneologie desfasurat intre 03 si 10 Septembrie 2022 la Slanic Moldova si Techirghiol - <https://bioclima.ro/Congres2022.php>
08/06/2023 – 11/08/2023 Președinte al Comitetului de Organizare – Congresul Asociației Medicale Române, 8 – 11 Iunie 2023, București, Academia Română, <https://amrorg.ro/>
01/09/2023 – 05/09/2023 Presedinte al Congresului National de Medicină Fizică, Recuperare și Balneologie desfasurat intre 01 si 05 Septembrie 2023 la Timișoara - <https://bioclima.ro/Congres2023.php>
14/09/2023 – 15/09/2023 Presedinte al Conferința Zilele Academice ale Centrului Național Clinic de Recuperare Neuropsihomotorie Copii “Dr. Nicolae Robănescu”, organizată la București - <https://bioclima.ro/Robanescu2023.php>

ACTIVITATE MANAGERIALA

01/11/2009 – 10/08/2015 **Șef Laborator Culturi Celulare** - Institutul Național de Recuperare, Medicina Fizica si Balneoclimatologie – proiecte de cercetare depuse spre finanțare
01/04/2016-15/11/2017 **Manager Agenția de Marketing** - Asociația Română de Balneologie; Coordonator proiecte de marketing, publicitate, organizare evenimente Turism Balnear
06/10/2012 – 2018 **Secretar Consultant - Permanent Commission on Speleotherapy** / Commission permanente de spéléothérapie (PCS/CPS- Union Internationale de Spéléologie UIS)
31/01/2011 – prezent **Director al Editurii Balneare, Editor Șef** – MakeDesign Company SRL, Coordonator proiecte editoriale, Editor Șef al Balneo-Research Journal
24/09/2001 – 14/10/2014 **Președinte** – Asociația Forța Tinerilor FORTIN; Elaborare și Coordonare proiecte pentru tineret
29/09/2010 – prezent **Secretar General / Președinte din iulie 2014** – Asociația Română de Balneologie; Dezvoltare și coordonare programe și proiecte pentru Turismul Balnear
13/05/2011 - 01/11/2011 **Manager general** la S.C. BIOSAFETY SRL Coordonare proiecte și contracte ale societății, management contracte de cercetare
15/02/2016 – 8/12/2017 **Administrator**, Presedinte al Consiliului de Administratie al S.C. BIOSAFETY SRL
09/09/2014 – prezent **Cenzor** al Asociației Organizația de Marketing în Turism din România (OMTR)

EXPERIENȚA DIDACTICA / Lector / Formator

- Formator în cadrul programului de formare profesionala pentru ocupația de Tehnician ortoprotezist (2011), Formator, Asistent personal, Mediator Sanitar, Tehnician Maseur, Infirmiera, Agent turism-ghid, Camerista, Ospatar, Animator centre de vacanță (2015) - autorizate de Asociația Română de Balneologie;
- Formator în cadrul programului de formare profesionala pentru ocupația de Tehnician ecolog și protecția calității mediului, autorizat de BIOSAFETY SRL în anul 2011;
- Lector - cursul ”Balneoterapie – profilaxie și tratament în stațiunile balneare, UMF Iuliu Hațieganu Cluj-Napoca, 2018 - 2020

Abilitati sociale	Coordonare, lucru in echipa, motivarea echipei din subordine, conducerea echipelor de proiect
Competente organizare	Gestionarea infrastructurii, asigurarea materialelor necesare, achizitatie, management
Abilitati tehnice	spectrofotometry, fluorescence, atomic absorption spectrometry, electrophoresis, ELISA, culturi celulare
Competente PC	Microsoft Office, Web Design, Basic statistics knowledge: SPSS, Statistica

Articole științifice indexate și cotate ISI (cu factor de impact - IF) (2014 - 2023)

1. Aurelian, S.; Ciobanu, A.; Cărare, R.; Stoica, S.-I.; Anghelescu, A.; Ciobanu, V.; Onose, G.; Munteanu, C.; Popescu, C.; Andone, I.; et al. Topical Cellular/Tissue and Molecular Aspects Regarding Nonpharmacological Interventions in Alzheimer's Disease—A Systematic Review. *Int. J. Mol. Sci.* 2023, 24, 16533, Corresponding author, IF: 5.6, <https://doi.org/10.3390/ijms242216533>
2. Munteanu, C.; Jordan, D.A.; Hoteteu, M.; Popescu, C.; Postoiu, R.; Onu, I.; Onose, G. Mechanistic Intimate Insights into the Role of Hydrogen Sulfide in Alzheimer's Disease: A Recent Systematic Review. *Int. J. Mol. Sci.* 2023, 24, 15481. IF: 5.6, <https://doi.org/10.3390/ijms242015481>,
3. Gurau, T.V.; Gurau, G.; Musat, C.L.; Voinescu, D.C.; Anghel, L.; Onose, G.; Munteanu, C.; Onu, I.; Jordan, D.A. Epidemiology of Injuries in Professional and Amateur Football Men (Part II). *J. Clin. Med.* 2023, 12, 6293. IF: 3.9, <https://doi.org/10.3390/jcm12196293>
4. 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>
5. 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>
6. 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>
7. 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>
8. 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>
9. 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>
10. 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>
11. 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>
12. 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, IF: 1.5, <http://bioclima.ro/Balneo502.pdf>
13. Anghelescu A, Firan FC, Onose G, Munteanu C, Trandafir A-I, Ciobanu I, Gheorghita 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>
14. 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
15. 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 2,97
16. 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>,
17. 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

18. Munteanu, C.; Rotariu, M.; Turnea, M.; Ionescu, A.M.; Popescu, C.; Spinu, A.; Ionescu, E.V.; Oprea, C.; Ţucmeanu, R.E.; Tătăranu, L.G.; Silişteanu, 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
19. Munteanu, C.; Rotariu, M.; Turnea, M.-A.; Angheliescu, A.; Albadi, I.; Dogaru, G.; Silişteanu, 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
20. Munteanu, C.; Rotariu, M.; Turnea, M.; Dogaru, G.; Popescu, C.; Spinu, 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
21. 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
22. 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
23. Onose Gelu, Angheliescu Aurelian, Blendea Dan, Ciobanu Vlad, Firan Carmen Florentina, Daia Cristina, Oprea Mihaela, Spinu Aura, Popescu Cristina, Ionescu Anca, Busnatu Ştefan 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
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7. Constantin Munteanu, Elena Valentina Ionescu, Liliana Stanciu, Doinița Oprea, Demirgian Sibel, Viorica Marin, Madalina Iliescu, Mihaela Minea, Roxana Elena Almășan, Cristina Popescu, Gabriela Dogaru, Gelu Onose – The interesting complex experience of a Balneary and Rehabilitation top Romanian Sanatorium during the COVID19 pandemic - VIRTUAL ISPRM 2021 CONGRESS, Virtual, Italy, 12/06/2021-15/06/2021
8. Constantin MUNTEANU, Gelu ONOSE - Hyperbaric Oxygen and Carbon Dioxide, therapies, as psychiatric interventions on Stroke, AOCNR 2021, 6-8 August 2021, Invited Guest Lecture
9. Gelu ONOSE, Constantin MUNTEANU - Hyperbaric Oxygen and Carbon Dioxide, therapies, as psychiatric interventions in SCI rehabilitation, AOCNR 2021, 6-8 August 2021, Invited Guest Lecture
Comunicari stiintifice nationale (2022)
1. DOGARU Gabriela, MUNTEANU Constantin - Research of Sanogene Quality of Natural Mineral Water - Balneo and PRM Research Journal – Romanian Congress of Physical and Rehabilitation Medicine & Balneology, 03-10 September 2022, Slanic Moldova / Techirghiol, Abstracts Volume, Balneo and PRM Research Journal. 2022;13(3): L1 DOI: http://dx.doi.org/10.12680/balneo.2022.510 , eISSN: 2734-8458 pISSN: 2734-844X, http://bioclima.ro/Balneo510.pdf
2. MUNTEANU Constantin, CĂLIN Mihaela Antonina, ȘUȚA Alina Maria, HOTETEU Mihai, STOICA Simona Isabelle, ONOSE Gelu - Health effects of mineral water from 1 and 1 bis Springs, Slănic Moldova: in vitro study design - Balneo and PRM Research Journal – Romanian Congress of Physical and Rehabilitation Medicine & Balneology, 03-10 September 2022, Slanic Moldova / Techirghiol, Abstracts Volume, Balneo and PRM Research Journal. 2022;13(3): L1 DOI: http://dx.doi.org/10.12680/balneo.2022.510 , eISSN: 2734-8458 pISSN: 2734-844X, http://bioclima.ro/Balneo510.pdf
3. MUNTEANU Constantin, CĂLIN Mihaela Antonina, POPESCU Cristina, ROTARIU Mariana, CORCIOVA Călin, AROTĂRIȚEI Dragoș, BUTNARU Maria, LUCA Andreea, CONDURACHE Iustina, MANEA Dragoș, SAVASTRU Dan, SAVASTRU Roxana, CĂRSTEA Elfrida, ANGHELESCU Aurelian, DAIA Cristina, ONOSE Gelu - Combined method based on hyperspectral imaging and biological investigations to evaluate the effects of natural therapeutic factors in diseases in the field of Neuro-Mio-Arthro-Kinetic pathology (BIOHIS Project) - Balneo and PRM Research Journal – Romanian Congress of Physical and Rehabilitation Medicine & Balneology, 03-10 September 2022, Slanic Moldova / Techirghiol, Abstracts Volume, Balneo and PRM Research Journal. 2022;13(3):L1 DOI: http://dx.doi.org/10.12680/balneo.2022.510 , eISSN:2734-8458, pISSN:2734-844X, http://bioclima.ro/Balneo510.pdf
4. POPESCU Cristina, SPÎNU Aura, AND ONE Ioana, DAIA Cristina, BRUMĂ Elena, MUNTEANU Constantin, NODIȚ Andi, ONOSE Gelu - Our endeavours and experience towards the Re-Accreditation of the Teaching Emergency Hospital “Bagdasar-Arseni” with focused on the related particularities of the NeuroRehabilitation Clinic Division - Balneo and PRM Research Journal – Romanian Congress of Physical and Rehabilitation Medicine & Balneology, 03-10 September 2022, Slanic Moldova / Techirghiol, Abstracts Volume, Balneo and PRM Research Journal. 2022;13(3): L1 DOI: http://dx.doi.org/10.12680/balneo.2022.510 , eISSN: 2734-8458 pISSN: 2734-844X, http://bioclima.ro/Balneo510.pdf
5. ONOSE Gelu. CIOBANU Vlad, FIRAN Carmen, ROMILA Aurelia, MORCOV Maria Veronica, MUNTEANU Constantin, - Current overview and reappraisal on essays towards systematizing clinical assessment instruments used to evaluate neuro-functional deficits in multiple sclerosis including through the ICF(-DH) conceptual framework - Balneo and PRM Research Journal – Romanian Congress of Physical and Rehabilitation Medicine & Balneology, 03-10 September 2022, Slanic Moldova / Techirghiol, Abstracts Volume, Balneo and PRM Research Journal. 2022;13(3): L1 DOI: http://dx.doi.org/10.12680/balneo.2022.510 , eISSN: 2734-8458 pISSN: 2734-844X, http://bioclima.ro/Balneo510.pdf

6. ANGHELESCU Aurelian, CARABAGEAC Diana, MUNTEANU Constantin, ONOSE Gelu - Controversies of the Statins Treatment: Neuroprotective vs. Adverse Effects upon the Neuro-Myo-Arthrokinetic Suprasystem – Narrative review - Balneo and PRM Research Journal – Romanian Congress of Physical and Rehabilitation Medicine & Balneology, 03-10 September 2022, Slanic Moldova / Techirghiol, Abstracts Volume, Balneo and PRM Research Journal. 2022;13(3): L1 DOI: http://dx.doi.org/10.12680/balneo.2022.510 , eISSN: 2734-8458 pISSN: 2734-844X, http://bioclima.ro/Balneo510.pdf
7. MUNTEANU Constantin - Speleotherapy – medical relevance - Balneo and PRM Research Journal – Romanian Congress of Physical and Rehabilitation Medicine & Balneology, 03-10 September 2022, Slanic Moldova / Techirghiol, Abstracts Volume, Balneo and PRM Research Journal. 2022;13(3): L1 DOI: http://dx.doi.org/10.12680/balneo.2022.510 , eISSN: 2734-8458 pISSN: 2734-844X, http://bioclima.ro/Balneo510.pdf
8. MUNTEANU Constantin, MUNTEANU Diana, ONOSE Gelu - Natural therapeutic gases and Stroke - Balneo and PRM Research Journal – Romanian Congress of Physical and Rehabilitation Medicine & Balneology, 03-10 September 2022, Slanic Moldova / Techirghiol, Abstracts Volume, Balneo and PRM Research Journal. 2022;13(3): L1 DOI: http://dx.doi.org/10.12680/balneo.2022.510 , eISSN: 2734-8458 pISSN: 2734-844X, http://bioclima.ro/Balneo510.pdf
9. CĂLIN Mihaela Antonina, MANEA Dragoș, MUNTEANU Constantin, SAVASTRU Roxana, PITICESCU Roxana Mioara, ONOSE Gelu - Evaluation of changes in melanin levels in common nevi induced by mud therapy using hyperspectral imaging - Balneo and PRM Research Journal – Romanian Congress of Physical and Rehabilitation Medicine & Balneology, 03-10 September 2022, Slanic Moldova / Techirghiol, Abstracts Volume, Balneo and PRM Research Journal. 2022;13(3): L1 DOI: http://dx.doi.org/10.12680/balneo.2022.510 , eISSN: 2734-8458 pISSN: 2734-844X, http://bioclima.ro/Balneo510.pdf
10. CĂLIN Mihaela Antonina, MUNTEANU Constantin, CURSARU Laura Madalina, PARASCA Sorin Viorel - Assessment of the effectiveness of photobiomodulation therapy on humeroscapular periartthritis by diffuse reflectance spectrometry - Balneo and PRM Research Journal – Romanian Congress of Physical and Rehabilitation Medicine & Balneology, 03-10 September 2022, Slanic Moldova / Techirghiol, Abstracts Volume, Balneo and PRM Research Journal. 2022;13(3): L1 DOI: http://dx.doi.org/10.12680/balneo.2022.510 , eISSN: 2734-8458 pISSN: 2734-844X, http://bioclima.ro/Balneo510.pdf
Comunicari stiintifice nationale (2021)
1. MUNTEANU Constantin, DOGARU Gabriela, ONOSE Gelu - Effective conceptual and editorial development of the official journal of our Congress - Balneo and PRM Research Journal – Romanian Congress of Physical and Rehabilitation Medicine & Balneology, 01-05 September 2021, Covasna, Abstracts Volume, Balneo and PRM Research Journal. 2021;12(3): L1 DOI: http://dx.doi.org/10.12680/balneo.2021.452 , eISSN: 2734-8458 pISSN: 2734-844X, http://bioclima.ro/Balneo452.pdf
2. DOGARU Gabriela, MUNTEANU Constantin - Adaptation of University training and education in Balneology - Summer school, – Romanian Congress of Physical and Rehabilitation Medicine & Balneology, 01-05 September 2021, Covasna, Abstracts Volume, Balneo and PRM Research Journal. 2021;12(3): L2 DOI: http://dx.doi.org/10.12680/balneo.2021.452 , eISSN: 2734-8458 pISSN: 2734-844X, http://bioclima.ro/Balneo452.pdf
3. DOGARU Gabriela, MUNTEANU Constantin - Innovation, technology transfer and applied scientific research in balneology, – Romanian Congress of Physical and Rehabilitation Medicine & Balneology, 01-05 September 2021, Covasna, Abstracts Volume, Balneo and PRM Research Journal. 2021;12(3): L3 DOI: http://dx.doi.org/10.12680/balneo.2021.452 , eISSN: 2734-8458 pISSN: 2734-844X, http://bioclima.ro/Balneo452.pdf
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: http://dx.doi.org/10.12680/balneo.2021.452 , eISSN:2734-8458 pISSN:2734-844X
7. MUNTEANU Constantin, MUNTEANU Diana - Mineral waters—importance for human health – Romanian Congress of Physical and Rehabilitation Medicine & Balneology, 01-05 September 2021, Covasna, Abstracts Volume, Balneo and PRM Research Journal. 2021;12(3): L67 DOI: http://dx.doi.org/10.12680/balneo.2021.452 , eISSN: 2734-8458 pISSN: 2734-844X,
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: http://dx.doi.org/10.12680/balneo.2021.452 , eISSN:2734-8458, pISSN:2734-844X,
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: http://dx.doi.org/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 Dragos, 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, Techirghiol, Anul IV, Ediție specială - august 2021, ISSN 2457 - 5690 ISSN-L 2457 – 5690, p.35, http://sbtghiol.ro/wp-content/uploads/2021/08/techirghiol-editie-speciala-060821-1010.pdf

PARTICIPĂRI LA COMUNICĂRI ȘI MANIFESTĂRI ȘTIINȚIFICE INTERNAȚIONALE

Iulie 17-22,2004	Conferința Internațională de Biochimie – Bioscience2004, Glasgow, Marea Britanie
Mai 19-21, 2005	Conferința Științifică Balkanică de Biologie, Plovdiv, Bulgaria
August 13-18, 2005	60 th Harden Conference of Inositol, Ambleside, Marea Britanie
Iulie 8-12, 2006	FENS-The Federation of European Neuroscience Societies Forum, Viena, Austria
Mai 4-7, 2010	Congresul Anual ESPA – al Stațiunilor Balneare din Europa, Baile Felix, Romania
Mai, 24-27 2011	Al XVI-lea Congres al Asociației Europene a Stațiunilor Balneare, Belek, Turcia
Mai 28- Iunie 2, 2012	BALWOIS 2012 - 28 May to 2 June 2012 - Ohrid, Republic of Macedonia
Iunie 20-23, 2012	Al 38-lea Congres internațional al ISMH, Lanjaron, Spania
Iulie 14-18, 2012	8 th FENS Forum of Neuroscience 2012, Barcelona, Spania
Oct. 4-6, 2012	The XIV-th International Symposium of Speleotherapy , Turda, Romania
July 21-28, 2013	16th International Congress of Speleology, Brno, Cehia
Oct. 22-23, 2013	International Scientific-Practical Conference – Perspectives for Speleotherapy – Solotvino, 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
17-18 March, 2016	2nd International Congress on Thermal Medicine, Moscow, Rusia
2 - 5 Iulie 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, Poland
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
11 Aprilie 2019	Conferința: Balneology – Potential and Benefits for Human Health in a European Context, Ispra, Italia
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
September 14 - 15, 2023	Thirteenth International Conference on Health, Wellness & Society, Vancouver, Canada
10/10/2023 - 12/10/2023	6th BALKANSPA SUMMIT, Belgrade, Serbia
26/10/2023 - 28/10/2023	11th Seoul International Congress of Endocrinology and Metabolism - SICEM, Seoul, Republic of Korea
01/11/2023 - 04/11/2023	10th Fed. of the Asian and Oceanian Physiological Societies Congress - FAOPS, Daegu, Republic of Korea
24/01/2024 - 28/01/2024	Târgului de Turism Balnear de la Paris, Les Thermalies, Paris, France