

INFORMAȚII PERSONALE

MATEI DANIELA VIORELIA

📍 9-13 Kogalniceanu Street, 700454, Iasi, Romania.

☎ +40 232 213573 📠 +40728024243

✉ daniela.matei@umfiasi.ro; dvm2202@yahoo.com

Sexul Feminin | Data nașterii 25/11/1967 | Naționalitatea Romana

LOCUL DE MUNCĂ
POZIȚIA

Facultatea de Bioinginerie Medicală
Universitatea de Medicină și Farmacie "Grigore T. Popa" Iași.
Profesor

EXPERIENȚA PROFESIONALĂ

2024- Prezent	Profesor Facultatea de Bioinginerie Medicală, 9–13 Kogalniceanu Street, 700454, Iași, Romania
2020 – 2024	Conferențiar Facultatea de Bioinginerie Medicală, 9–13 Kogalniceanu Street, 700454, Iași, Romania
2013 – 2020	Șef lucrări Facultatea de Bioinginerie Medicală, 9–13 Kogalniceanu Street, 700454, Iași, Romania
1999 – 2013	Asistent universitar Facultatea de Bioinginerie Medicală, 9–13 Kogalniceanu Street, 700454, Iași, Romania
1998 – 1999	Preparator universitar Facultatea de Bioinginerie Medicală, 9–13 Kogalniceanu Street, 700454, Iași, Romania Activități didactice și de cercetare universitare.

EDUCAȚIE ȘI FORMARE

2023-	Obținerea atestatului de abilitare cu teza: ASSESSMENT OF CARDIAC AUTONOMIC CONTROL BY LINEAR AND NONLINEAR ANALYSES OF THE HEART RATE
2012	Școala de vară de neuroelectrofiziologie, secțiunea EEG Romanian Society of Electrodiagnostic Neurophysiology

- 2003-2009 Doctor în medicină
Titlul tezei - Valoarea monitorizării reactivității microvasculare, cardiorespiratorii și neuromotorii în diabetul zaharat tip II
Universitatea de Medicină și Farmacie “Grigore T. Popa” Iași.
- 2007-2009 Competență în homeopatie
Societatea Română de homeopatie
- 2006-2007 Managementul instituțiilor publice (2 semestre)
Universitatea de Medicină și Farmacie “Grigore T. Popa” Iași.
- 2006 Stimularea electrică funcțională în recuperarea bolnavului neurologic
Department of Medical Physics & Biomedical Engineering, Salisbury, U.K
- 2005 Tehnici moderne de electrodiagnostic
Universitatea de Medicină și Farmacie “Grigore T. Popa” Iași.
- 2004 Tehnici de monitorizare a parametrilor cardio-respiratori în condiții de efort și somn
Universitatea de Medicină și Farmacie “Grigore T. Popa” Iași
- 2002 Electrocardiografia în practica medicală
Universitatea de Medicină și Farmacie “Grigore T. Popa” Iași
- 1995-1998 Medic specialist Medicina de familie
Universitatea de Medicină și Farmacie “Grigore T. Popa” Iași
- 1988-1994 Doctor medic
Universitatea de Medicină și Farmacie “Grigore T. Popa” Iași

COMPETENTE PERSONALE

Limba(i) maternă(e) Romana

Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleza	B2	B2	B2	B2	B2
Franceza	B2	B2	B1	B1	B2

Niveluri: A1/A2: Utilizator elementar - B1/B2: Utilizator independent - C1/C2: Utilizator experimentat
Cadrul european comun de referință pentru limbi străine

Competențe de comunicare

- Bune competențe de comunicare dobândite prin experiența proprie de cadru didactic universitar și formator în proiectele în care am fost membru.

Competențe organizaționale/manageriale

Competențe de muncă în echipă dobândite ca membru în echipe de cercetare, de organizare de activități didactice și științifice.

Competențe de leader, ca director de proiect.

Competențe de comunicare dobândite în urma experienței didactice, de raportare a rezultatelor cercetărilor, ca membru în comisii și comitete științifice la manifestări naționale.

Leadership : Manager de Proiect Grant Intern Universitatea de Medicina si Farmacie "Grigore T. Popa" Iasi „ Studiul modificărilor hemodinamice și neurofiziologice la pacienți cu boală Alzheimer, demență vasculară și demență mixtă”

Director Departament Științe Biomedicale, Facultatea de Bioinginerie Medicală, Universitatea de Medicină și Farmacie “Grigore T. Popa” Iași din anul 2016.

Competențe dobândite la locul de muncă

Scrieți competențele dobândite la locul de muncă și care nu au fost menționate anterior. Specificați contextul în care au fost acestea dobândite.

- Autor de materiale didactice: cărți, lucrări științifice, programe analitice, caiete de lucrări practice.
- Curs și lucrări practice la disciplinele: Tehnici de explorare paraclinică funcțională, Metode de evaluare și explorare în balneokinetoterapie, Ergofiziologie, Fiziologie
- Îndrumarea unor lucrări de licență
- Îndrumarea unor lucrări științifice ale studenților, prezentate la sesiuni științifice naționale.
- Membru în comisia profesională de admitere și de licență
- Membru al Societății Române de Bioinginerie Medicală
- Membru al Colegiului Medicilor si Farmaciștilor Iași
- Abilitatea de a aplica cunoștințe din domeniul medical și biomedical pentru a găsi soluții la problemele bioingineriei și ale medicinei.
- Abilitatea de a utiliza tehnologia biomedicală în domeniul sanitar
- Capacitatea de a lucra în echipe multi-disciplinare precum și coordonarea acestora;
- Asumarea responsabilității profesionale și respectarea eticii biomedicale;
- Abilități de comunicare;
- Înțelegerea problematicii contemporane și a importanței învățării pe toată durata vieții.

Competență digitală

AUTOEVALUARE

Procesarea informației	Comunicare	Creare de conținut	Securitate	Rezolvarea de probleme
UTILIZATOR EXPERIMENTAT	UTILIZATOR EXPERIMENTAT	UTILIZATOR EXPERIMENTAT	UTILIZATOR EXPERIMENTAT	UTILIZATOR EXPERIMENTAT

Niveluri: Utilizator elementar - Utilizator independent - Utilizator experimentat
 Competențele digitale - Grilă de auto-evaluare

Scrieți alte competențele informatice.

- Lucru pe PC: Windows, MS Office, navigare Internet.
- Cunoștințe programare : Matlab , LabView
- Cunoștințe de editare foto, dobândite ca fotograf amator

Alte competențe

- Abilitatea de a utiliza și optimiza utilizarea tehnologiei biomedicale în unitățile sanitare.
- Abilitatea de a concepe și coordona experimente în domeniul biomedical precum și capacitatea de a analiza și interpreta datele obținute.

Permis de conducere

Permis de conducere categoria B din 1993

INFORMATII SUPLIMENTARE

Proiecte cercetare

1. Grant intern de cercetare No. 29241/ 20.12.2013. Studiul modificărilor hemodinamice și neurofiziologice la pacienți cu boală Alzheimer, demență vasculară și demență mixtă- Director de proiect
2. Grant of Romanian Academy (GAR): “Nonlinear Analysis Methods for Pattern Recognition in Polysomnography Recordings for Patients With Sleep Respiratory Disorders and Cardiovascular Risk“ (Director: Lect. Grigoraș Carmen Liliana – contract nr. 295, 2008-2009, 14.000 RON.
3. “Investigation, Assistance and Control System for Neurological Disorders, Based on BCISIS Brain- Computer Interface“ – contract nr. 12115/01.10.2000 – (Director: Conf. Dr. ing. Lazăr Anca Mihaela), 2008 – 2011, 715.000 RON
4. Implantable Magnetic Microsensors For Medical Applications” – MEDISENS – contract- 12110 /2008 – (Director: Prof. dr. Iacob Gheorghe, 2008-201, 250.000 RON)
5. Grant intern de cercetare 17084/30.09.2010: “Analiza unor parametri hemodinamici utilizând pletismografia de impedanță electrică” (Director: asist. univ. dr. Corciovă Călin
6. Proiect POCU POCU/90/6.13/6.14/108943 Titlul proiectului: Facilitarea tranziției de la educație la piața muncii în domeniul sănătății – balneofiziokinetoterapie - responsabil stagii de practică
7. Proiect FDI-6 - ”Susținerea cercetării de excelență prin dezvoltarea tehnologiilor medicale și biotehnologiilor (FizioBiotech)” Proiect cofinanțat din Fondul de Dezvoltare Instituțională 2020 Domeniul 6: Susținerea cercetării de excelență din universități- membru echipa
8. Proiect ROSE “Sprijin pentru studenții din anul I de la Facultatea de Bioinginerie Medicală aflați în risc de abandon școlar, pentru îmbunătățirea performanțelor academice” – BioRemedis Acord de grant nr. 359/SGU/SS/III din 10.09.2020

Cărți și capitole în cărți

1. Topoliceanu F, Stratone A, Zaharia D, Ciorap R, Ciofea R, Corciovă C, **Matei D.** A Practical Guide of Paraclinical Function Testing – Handbook for Foreign Students, Editura PIM, 2006, ISBN 973-716-316-8; 254 pagini
2. Topoliceanu F, Stratone A, Zaharia D, Ciorap R, Ciofea R, Corciovă C, **Matei D.** Aplicații computerizate în explorarea paraclinică, Editura PIM, 2006, ISBN 973-716-318-4; 237 pagini.
3. Popescu CD, Constantinescu A, Ignat EB, **Matei D.**, Alexa D, Bolboceanu O, Grosu C, Popescu D. Neurology for medical students. Second edition. Eds CD Popescu. Editura “Grigore T Popa” UMF Iasi, ISBN: 978-606-544-288-7, 2015, 317 pagini.
4. Serban LI, Sava A, Stan C, Oprisa C, **Matei D.**, Maranduca M. Anatomia și fiziologia omului. Teste admitere 2017. Editura “Grigore T Popa” UMF Iasi. ISBN 978-606-544-440-9, 100 pagini.
5. Serban LI, Hurjui L, **Matei D.**, Oprisa C, Tarniceriu C- Anatomia și fiziologia omului. Teste admitere 2018. Editura “Grigore T Popa” UMF Iasi. ISBN 978-606-544-524-6, 142 pagini.
6. Matei R, **Matei D.** – “Analytical Design of Two-Dimensional Filters and Applications in Biomedical Image Processing”, chapter in the book "Digital Filters and Signal Processing", edited by Fausto

- Pedro García Márquez, IN-TECH Open Access Publisher, Vienna, Austria, 2012, ISBN: 980-953-307-645-9. www.intechweb.org
<https://www.intechopen.com/search?term=Digital%20Filters%20and%20Signal%20Processing>
7. Cristian Dinu Popescu, Dan Trofin, Daniela Trofin, Bogdan Ignat and **Daniela Matei**. New Aspects of Therapeutic Management in Alzheimer's Disease. In: *Frontiers in Clinical Drug Research – Alzheimer Disorders*. Atta-ur-Rahman (Ed). Bentham Science Publishers, Vol. 3, 2014, p 3-99, ISBN: 978-1-68108-069-7, DOI: 10.2174/97816810806801150301.
<https://www.eurekaselect.com/131845/volume/3>
 8. Andreia Corciova, **Daniela Matei**, Calin Corciova and Bianca Ivănescu. Natural Compounds from Plants Targeting Alzheimer's Disease. In: *Frontiers in Clinical Drug Research - Alzheimer Disorders*. Atta-ur-Rahman (Ed). Bentham Science Publishers, Vol. 5, 2016, p 214-302. **ISBN**: 978-1-68108-232-5. DOI: 10.2174/97816810823181160501.
<http://www.eurekaselect.com/143961>
 9. Cuciureanu I.D., Constantinescu I., Constantinescu V., **Matei D**. Triggering early neuroplasticity mechanisms: new perspectives in ischemic stroke management. *Avid Science* cfbc.ebooks@avidsciences.com,
<https://avidscience.com/book/ischemic-stroke/>
 10. **Dan** Cuciureanu, Irina Constantinescu, Victor Constantinescu, Calin Corciova, **Daniela Matei**. Primary headaches and their relationship with the autonomic nervous system. In *Tech 2017-04-12. Medicine » "Current Perspectives on Less-known Aspects of Headache"*, book edited by Hande Turker, ISBN 978-953-51-3076-5, Print ISBN 978-953-51-3075-8.
<https://www.intechopen.com/search?term=Current%20Perspectives%20on%20Less-known%20Aspects%20of%20Headache>
 11. Serban LI, Hurjui L, Matei D, Oprisa C, Tarniceriu C- Anatomia si fiziologia omului. Teste admitere 2020. Editura "Grigore T Popa" UMF Iasi.
 12. Serban LI, Hurjui L, Matei D, Oprisa C, Tarniceriu C- Anatomia si fiziologia omului. Teste admitere 2021. Editura "Grigore T Popa" UMF Iasi
 13. Serban LI, Hurjui L, Matei D, Oprisa C, Tarniceriu C- Anatomia si fiziologia omului. Teste admitere 2022. Editura "Grigore T Popa" UMF Iasi.
 14. Sardaru D, Onu I, Matei D. Evaluarea amplitudinilor articulare. Editura Gr T Popa Iasi, 2021. ISBN-978-606-544-745-5, 245 pagini.

Articole in extenso, publicate în reviste din fluxul științific principal:

Articole ISI cotate si indexate

1. **Daniela Matei**, Bogdan Ignat, Cristian Dinu Popescu – “Autonomic dysfunction in type 2 diabetes mellitus with and without vascular dementia”, *The Journal of Neurological Sciences*, Volume 325, issues 1-2, 15 February 2013, pages 6-9. DOI: 10.1016/j.jns.2012.11.001. **IF2.474**.
<https://www.ncbi.nlm.nih.gov/pubmed/23218584>
2. **D. Matei**, V. Constantinescu, C. Corciova, B. Ignat, R. Matei, CD.Popescu. Autonomic impairment in patients with migraine. *European Review for Medical and Pharmacological Sciences* 2015; 19:3922- 3927. **IF 1.575**
<https://www.europeanreview.org/wp/wp-content/uploads/3922-3927.pdf>
3. Mirela Cristina L, **Matei D**, Ignat B, Popescu CD. Mirror therapy enhances upper extremity motor recovery in stroke patients. *Acta Neurol Belg*. 2015, Volume 115, Issue 4, pp597-603. doi10.1007/s13760-015-0465-5. **IF 1.495**.
<https://link.springer.com/article/10.1007%2Fs13760-015-0465-5>

4. Victor Constantinescu, **Daniela Matei**, Dan Cuciureanu, Calin Corciova, Bogdan Ignat & Cristian Dinu Popescu. Cortical modulation of cardiac autonomic activity in ischemic stroke patients. *Acta Neurol Belg.*, 2016; 116:473-480. doi 10.1007/s13760-016-0640-3. **IF 1.722**
<https://www.ncbi.nlm.nih.gov/pubmed/27097606>
5. Sardaru, Dragos Petrica; **Matei, Daniela**; Zaharia-Kezdi, Dan; et al. Effects of biofeedback versus switch-triggered functional electrical stimulation on sciatica-related foot drop. *Journal of Back and Musculoskeletal Rehabilitation*, 2018; 31(2): 239-245. doi: 10.3233/BMR-169578. **IF 0.814**
<https://www.ncbi.nlm.nih.gov/pubmed/28946515>
6. Constantinescu, V.; **Matei, D.**; Costache, V.; et al. Linear and nonlinear parameters of heart rate variability in ischemic stroke patients. *Neurologia i Neurochirurgia Polska*, 2018; 52(2): 194-206. doi: 10.1016/j.pjnns.2017.10.002. **IF=1.006**
<https://www.ncbi.nlm.nih.gov/pubmed/29110883>
7. Constantinescu V, **Matei D**, Constantinescu I, Cuciureanu DI. Heart Rate Variability and Vagus Nerve Stimulation in Epilepsy. *Transl Neurosci*. 2019;10:223-232. doi: 10.1515/tnsci-2019-0036. eCollection 2019. **IF 1.373**
<https://www.degruyter.com/view/j/tnsci.2019.10.issue-1/tnsci-2019-0036/tnsci-2019-0036.xml>
8. Victor Constantinescu, Catalina Arsenescu-Georgescu, **Matei Daniela**, Mihaela Moscalu, Calin Corciova, Dan Cuciureanu. Heart rate variability analysis and cardiac dysautonomia in ischemic stroke patients. *Clinical Neurology and Neurosurgery* 186 (2019) 105528, doi: 10.1016/j.clineuro.2019.105528. **IF 1.530**.
<https://www.sciencedirect.com/science/article/abs/pii/S0303846719303245>
9. Mihalas, Elvina; Serban, Lacramioara Ionela; **Matei, Daniela**; Cascaval, Dan, Galaction, Anca Irina. Changes of oxidative stress caused by physical activity. *Studia Universitatis Babeş-Bolyai Chemia*, 2019; 64(2):35-47. doi:10.24193/subbchem.2019.2.03. **IF 0.494**
http://chem.ubbcluj.ro/~studiachemia/issues/chemia2019_2T1/03Mihalas_35_47.pdf
10. Sardaru, D., Boldureanu, D., Andrusac, G., **Matei, D.**, Zaharia-Kezdi, D., Poeta, I. Paralytic Lumbar Disc Herniation. A Four Years Social and Economic Impact Study for North-East Region of Romania. *Revista de Cercetare si Interventie Sociala*, 2017; 57: 67-77. ISSN: 1583-3410. **IF 0.838**
<https://www.cceol.com/search/article-detail?id=597740>
11. Bogdan Mihail Cobzeanu, Mihail Dan Cobzeanu, Mihaela Moscalu, Octavian Dragos Palade, Luminița Rădulescu, Dragoș Negru, Liliana Gheorghe Moisii, Luiza Maria Cobzeanu, Loredana Beatrice Ungureanu, Patricia Vonica, **Daniela Viorelia Matei**, Daniela Carmen Rusu, Constantin Volovaț and Victor Vlad Costan. Predictive Value of HPV, p53, and p16 in the Post-Treatment Evolution of Malignant Tumors of the Oropharynx and Retromolar Trigone–Oropharynx Junction. *Medicina (Kaunas)*. 2020;56(10):542. doi: 10.3390/medicina56100542. **IF 2.430**.
<https://pubmed.ncbi.nlm.nih.gov/33076537/>
12. Victor Constantinescu, **Daniela Matei**, Irina Constantinescu, Dan Iulian Cuciureanu. Cardiac autonomic modulation in drug-resistant epilepsy patients after vagus nerve stimulation therapy. *Neurol Neurochir Pol*. 2020;54(4):329-336. doi: 10.5603/PJNNS.a2020.0044. **IF 1.621**
<https://pubmed.ncbi.nlm.nih.gov/32557527/>
13. Victor Constantinescu, **Daniela Matei**, Bogdan Ignat, Diana Hodorog, Dan I Cuciureanu. Heart Rate Variability Analysis: A Useful Tool to Assess Poststroke Cardiac Dysautonomia. *Neurologist*. 2020;25(3):49-54. doi: 10.1097/NRL.0000000000000270. **IF 1.398**
<https://pubmed.ncbi.nlm.nih.gov/32358461/>
14. **Matei Daniela**, Carmen Grigoras, Dan Cuciureanu, Victor Constantinescu. The circadian rhythm of arterial blood pressure in Alzheimer's disease and vascular dementia. *Acta Neurol Belg*. 2021. doi: 10.1007/s13760-021-01664-8. **IF 2.471**
<https://pubmed.ncbi.nlm.nih.gov/34043211/>

15. **Daniela Matei**, Ioana Buculei, Catalina Luca, Calin-Petru Corciova, Doru Andritoi, Robert Fuior, Daniel-Andrei Iordan and Ilie Onu. Impact of Non-Pharmacological Interventions on the Mechanisms of Atherosclerosis. *Int J Mol Sci.* 2022;23(16):9097. doi: 10.3390/ijms23169097. **IF 6.208** <https://pubmed.ncbi.nlm.nih.gov/36012362/>
16. Ilie Onu, Daniel-Andrei Iordan, **Daniela Matei**, Oana-Diana Hrisca-Eva, Ioana Buculei, Anca-Irina Galaction, Ionela Lacramioara Serban, Mona-Elisabeta Dobrin, Ovidiu Popa-Velea, Dan Eugen Costin, George Danut, Mocanu, Andreea-Georgiana Dobre and Robert Gherghel. Impact of Physiotherapy on Patients Suffering from COVID-19: An Observational Study. *Appl. Sci.* 2022, 12(12), 5795. **IF 2.838** <https://www.mdpi.com/2076-3417/12/12/5795/htm>
17. Ilie Onu, **Daniela Matei**, Dragos-Petrica Sardaru, Dan Cascaval, Ana Onu, Robert Gherghel, Ionela Lacramioara Serban, George Danut Mocanu, Daniel Andrei Iordan, Gabriel Murariu and Anca-Irina Galaction. Rehabilitation of Patients with Moderate Knee Osteoarthritis Using Hyaluronic Acid Viscosupplementation and Physiotherapy. *Appl. Sci.* 2022, 12(6), 3165. **IF 2.838** <https://www.mdpi.com/2076-3417/12/6/3165>
18. **Matei Daniela**, Luca Catalina, Onu Ilie , **Matei Paula**, Iordan Daniel-Andrei , **Buculei Ioana**. Effects of Exercise Training on the Autonomic Nervous System with a Focus on Anti-Inflammatory and Antioxidants Effects. *Antioxidants (Basel).* 2022;11(2):350. doi:10.3390/antiox11020350. **IF 7.675** <https://pubmed.ncbi.nlm.nih.gov/35204231/>
19. Vicol, C.; Buculei, I.; Melinte, O.E.; Dobrin, M.E.; Stavarache, E.I.; Gavrilesco, C.-M.; Postolache, P.; **Matei, D.**; Trofor, A. The Lipid Profile and Biochemical Parameters of COPD Patients in Relation to Smoking Status. *Biomedicines* 2022, 10, 2936. <https://doi.org/10.3390/biomedicines10112936> <https://www.mdpi.com/2227-9059/10/11/2936>
20. Buculei, I.; Dobrin, M.E.; **Matei, D.**; Onu, I.; Vicol, C.; Cioroiu, I.B.; Niculaua, M.; Iordan, D.A.; Cernomaz, A.; Trofor, A.C. Polycyclic Aromatic Hydrocarbons Induced by Smoking and Air Pollution: Correlation with Oxidative Stress in Chronic Obstructive Pulmonary Disease Patients. *Toxics* 2022, 10, 681. <https://doi.org/10.3390/toxics10110681> <https://www.mdpi.com/2305-6304/10/11/681>
21. Sardaru. D. P., Onu, I., Luca, C., Zaharia-Kezdi, D., **Matei, D.**, Drugus, D., Piseru, E.-A., Pandea, A., Iordan, D.-A., & Musat, C.-L. (2023). Specialized Manual Therapy Techniques Can Improve Neuromotor Outcome in Patients with Foot-Drop Syndrome. *BRAIN. Broad Research in Artificial Intelligence and Neuroscience*, 14(3), 330-342. <https://doi.org/10.18662/brain/14.3/477>
22. Iordan D.A., Onu I., **Matei D.V.**, Sardaru D.P., Luca C., Sohaib A., Mereuță C., Adam A.M., Marin D. , Cordun M., Mușat C. - Effect of hydrocortisone ultrasonic phonophoresis in the treatment of knee osteoarthritis. *Balneo and PRM Research Journal* 2023, 14(3): 575 <https://doi.org/10.12680/balneo.2023.575>
23. Buculei, I.; Dobrin, M.E.; **Matei, D.**; Onu, I.; Cioroiu, I.B.; Caba, B.; Postelnicu, M.-G.; Buhociu, D.-H.; Musat, C.L.; Crisan-Dabija, R.; et al. HPLC Analysis and Risk Assessment of 15 Priority PAHs in Human Blood Serum of COPD Patient from Urban and Rural Areas, Iasi (Romania). *J. Pers. Med.* 2023, 13, 1290. <https://doi.org/10.3390/jpm13091290>
24. Trofin, D.; **Matei, D.-V.**; Trofin, D.M.; Onu, I.; Iordan, D.A.; Stamate, T. Clinic-Electrophysiologic Correlations in Rehabilitation of Adult Patients with Traumatic Brachial Plexus Lesions. *Appl. Sci.* 2023, 13, 5679. <https://doi.org/10.3390/app13095679>
25. **Matei, D.**; Trofin, D.; Iordan, D.A.; Onu, I.; Condurache, I.; Ionite, C.; Buculei, I. The Endocannabinoid System and Physical Exercise. *Int. J. Mol. Sci.* 2023, 24, 1989. <https://doi.org/10.3390/ijms24031989>

26. **Daniela Matei**, Călin Corciovă, Radu Matei, Bogdan Ignat, Orest Bolbocean, Daniel Alexa, Cristian Dinu Popescu, Nerve Conduction Studies in Peripheral Arterial Disease With and Without Type 2 Diabetes Mellitus, The 4th IEEE International Conference on E-Health and Bioengineering - EHB 2013, ISBN 978-1-4799-2372-4, DOI: [10.1109/EHB.2013.6707331](https://doi.org/10.1109/EHB.2013.6707331).
27. Orest Bolbocean, Bogdan Ignat, Cristina Grosu, **Daniela Matei**, Dragoș Popescu, Cristian Dinu Popescu, Modifications of Electrophysiological Parameters in Patients with Multiple Sclerosis, The 4th IEEE International Conference on E-Health and Bioengineering - EHB 2013, ISBN 978-1-4799-2372-4. <https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6707231>
28. **Daniela Matei**, Calin Corciova, Radu Matei, Irina Constantinescu, Iulian D. Cuciureanu. QT Interval in Vascular Dementia and Alzheimer's Disease. E-Health and Bioengineering Conference (EHB) 2015, p 1-4. DOI: [10.1109/EHB.2015.7391448](https://doi.org/10.1109/EHB.2015.7391448).
29. Ioana Grigore, Laura Mihaela Trandafir, Vasilica Toma, Georgeta Diaconu, **Daniela Matei**, Elena Luca. Effect of anti-epileptic drugs on the oral health of epileptic children. The 5th IEEE International Conference on E-Health and Bioengineering - EHB 2015, Iași, Romania, November 19-21. DOI: [10.1109/EHB.2015.7391523](https://doi.org/10.1109/EHB.2015.7391523)
<https://ieeexplore.ieee.org/document/7391523>
30. **Andrei Corciovă**, **Daniela Matei**, Bianca Ivănescu. Medicinal herbs as possible sources of anti-inflammatory products. Balneo Research Journal. Vol.8, No.4, December 2017 p: 231 – 241. DOI: 10.12680/balneo.2017.157
<https://doaj.org/article/00e68f4fbb264692992dfdf510df6e07>
31. **Matei Daniela**, Corciovă Călin, Ignat Bogdan, Matei Radu. Transcranial magnetic stimulation in stroke rehabilitation. Balneo Research Journal. 2018;9(3):264–269. DOI: 10.12680/balneo.2018.193
<http://bioclima.ro/Balneo193.pdf>
32. Grigoras A.V., **Matei D.**, Ignat E.B. Non-Immersive Virtual Reality for Upper Limb Rehabilitation in Stroke Survivors. - A Feasibility Study. Balneo Research Journal, Vol.9, No.3, September 2018 p: 232 – 239. DOI: 10.12680/balneo.2018.187
<http://bioclima.ro/Balneo187.pdf>
33. Cătălina LUCA, Călin CORCIOVĂ, **Daniela MATEI**. The Importance of Computer Methods in Biomedicine – the Analization Between HRV and Types of Exercise _The 14 th International Scientific Conference eLearning and Software for Education Bucharest, April 19-20, 2018 10.12753/2066-026X-18-207
34. Onu I, **Matei D**, Galaction A. Efficacy of intra-articular hyaluronic acid injections in the rehabilitation programme of knee osteoarthritis. Balneo Research Journal, 2019, 10 (3): 225-230. DOI: <http://dx.doi.org/10.12680/balneo.2019.261>
<http://bioclima.ro/Balneo261.pdf>
35. **Matei D**, Luca C, Andritoi D, Fuior R, Corciova C. Autonomic dysfunction and peripheral nerve involvement in patients with Parkinson's disease. Balneo Research Journal, 2019; 10(1):55-61. DOI: 10.12680/balneo.2019.240
<http://bioclima.ro/Balneo240.pdf>
36. **Matei D**, Luca C, Andritoi D, et al. The relationship between lower magnesium levels and heart rate variability indices. Balneo Research Journal, 2019; 9(4):426-432. DOI: 10.12680/balneo.2018.226
<http://bioclima.ro/Balneo226.pdf>
37. R. Matei, **D. Matei** – Multiresolution Spectral Analysis of Epileptic EEG Signals Using Various Wavelet Types, Proc. of 7-th IEEE International Conference on E-Health and Bioengineering, EHB 2019, 21-23 November 2019, Iași, Romania, DOI: 10.1109/EHB47216.2019.8969883
38. R. Matei, **D. Matei** – Analysis of Some EMG Signals Using Multiresolution and Tome-Frequency Techniques, Proc. of 8-th IEEE International Conference on E-Health and Bioengineering, EHB 2020, 29-30 October 2020, Iași, Romania, IEEE 978-1-7281-8803-4/20.

39. Fuior Robert, Matei Daniela, Luca Catalina, Andritoi Doru. Educational software for cardiac flow measurements and hemodynamic analysis Volume 3 | DOI: 10.12753/2066-026X-20-197, Pages: 209-214
40. Onu I, **Matei D**, Galaction A. Efficacy of intra-articular hyaluronic acid injections in the rehabilitation programme of knee osteoarthritis. *Balneo Research Journal*, 2019, 10 (3): 225-230.
41. Radu Matei, Daniela Matei: Frequency Analysis of EEG Signals Using Band Energy Distribution, EHB 2021, 18-19 november, Iasi
42. Trofin, Dan; Matei, Daniela; Stamate, Teodor; et al. Rehabilitation Challenges in Limb-Girdle Muscular Dystrophies. *Balneo and PRM research journal*. Volume: 12 Issue: 1 Pages: 31-33 Published: MAR 2021
43. Trofin, Dan; Matei, Daniela; Stamate, Teodor; et al. Perspectives of Rehabilitation in Diabetic Neuropathy. *Balneo and PRM research journal* Volume: 12 Issue: 1 Pages: 61-64 Published: MAR 2021
44. Trofin, D; Trofin, DM; Luca, C; Matei, D; Ignat, B; Stamate, T. Interdisciplinary perspectives of rehabilitation in adult brachial plexus palsies. [BALNEO AND PRM RESEARCH JOURNAL](#) 2022, Volume13, Issue 2, Article Number 498, DOI 10.12680/balneo.2022.498

Articole publicate in extenso in reviste BDI

1. **Matei D**, Topoliceanu F, Dumitraş L, Vasilescu L, Muscalu M. Modificări neuroelectrofiziologice la pacienți cu diabet zaharat tip II recent diagnosticat - *Rev. Med. Chir. Soc. Med. Iasi* -2007, vol.111, nr.4, supl 1, pp.85-88, ISSN: 0048-7848.
2. **Matei D**, Corciova C, Dumitras L. Rolul electromiografiei de suprafata in diagnosticul spasmofiliei din diabetul zaharat tip II, *Revista Medico-Chirurgicală*, Vol 113, sup. nr.1, pp. 74-77, ISSN: 0048 – 7848, 2009.
3. **Matei D**, Grigoras C, Dumitras L. Influența hiperglicemiei postprandiale asupra QTc, QTd în diabetul zaharat tip II, *Revista Medico-Chirurgicală*, Vol 113, sup. nr.1, pp. 64 -67 ISSN: 0048 – 7848, 2009.
4. **Matei D**, Ciochină Al, Corciovă C, Stratone A. Modificările parametrilor spirografici în diabetul zaharat tip 2, *Revista Medico-Chirurgicală a Societății de Medici și Naturaliști nr.4*, Vol 113, 2009, pag. 1298-1302, ISSN: 0048-7848.
5. **Matei D**, Ciochină Al. D., Stratone A – Importanța intervalului QTc în diagnosticarea neuropatiei autonome cardiace în diabetul zaharat tip 2, *Revista Medico-Chirurgicală a Societății de Medici și Naturaliști nr.1*, Vol 114, 2010, pag. 288 – 292, ISSN: 0048-7848.
6. **Matei D**, Matei R. Diabetic retinopathy assessment using analog processing of angiography images – *Bulletin of the Polytechnic Institute of Iasi, Section Electrotechnics, Energetics, Electronics*, tome LVI (LX), facs. 1, 2010, ISSN 1223-8139, pp. 95-107.
7. Pohaci C, Badescu L, **Matei D**. The effects of polyphenols extracted from “Vitis vinifera” on nociception in diabetic neuropathy, *Annals of the Romanian Society for Cell Biology* 2010, vol XV, issue 2, pp 223-228.
8. Badescu L, **Matei D**, C.Pohaci- Electromyostimulation in assessing diabetic polyneuropathy, *Annals of the Romanian Society for Cell Biology* 2010, vol XV, issue 2, pp 54-60.
9. **Matei D**, Matei R. Detection of diabetic symptoms in retina images using analog algorithms, *International Journal of Biological and Life Sciences* 6:4 2011, pag 224-227, ISSN: 2010-3824.
10. Corciovă C, Turnea M, **Matei D**, Andritoi D. Evaluation of cardiac parameters using electrical impedance plethysmography, *Rev Med Chir Soc Med Nat Iasi*, 2012 Jul-Sep; 116(3):927-932 .
11. Cristian Dinu Popescu, Dan Trofin, Daniela Trofin, Daniel Alexa, Romeo Dobrin, Bogdan Ignat, Ioan Buraga, **Daniela Matei**. Socio-economic issues in Alzheimer’s disease. Resilience and Alzheimer’s disease caregivers. *Romanian journal of Neurology – volume XIII*, no. 4, 2014, pp178-184.

<https://rjn.com.ro/socio-economic-issues-in-alzheimers-disease-resilience-and-alzheimers-disease-caregivers/>

12. **Victor Constantinescu, Olivier Detante, Daniela Matei, Irina Constantinescu, Catalina Arsenescu-Georgescu, Pascal Defaye, Cristian Dinu Popescu, Dan Cuciureanu.** Cortical lateralization and cardiac autonomic control. Insights from insular stroke and epilepsy. *Archive of Clinical Cases*, 2017; 4(3):154-166.
<http://www.clinicalcases.eu/index.php/acc/article/view/350>

Articole in extenso, apărute în lucrări ale unor conferințe de specialitate:

1. **Matei D., Matei R.** Detection of Diabetic Symptoms in Retina Images Using Analog Algorithms, *Proceedings of the 7th WSEAS International Conference on Signal Processing, Robotics and Automation ISPRA'08, Cambridge, England, UK, Febr. 20-22, 2008*, pp.198-203, ISBN: 978-960-6766-44-2.
<https://publications.waset.org/2336/detection-of-diabetic-symptoms-in-retina-images-using-analog-algorithms>
2. **Matei R, Matei D.** Orientation-Selective 2D Recursive Filter Design Based on Frequency Transformations, *IEEE Region 8 EUROCON 2009 Conference, St. Petersburg, Russia, May 18-23, 2009*, ISBN: 978-1-4244-3861-7.
<https://ieeexplore.ieee.org/document/5167810>
3. **Matei R, Matei D.** EEG Signal Analysis Using Nonlinear Dynamic Techniques, *4th Annual Symposium of the Benelux Chapter of the IEEE Engineering in Medicine and Biology Society (EMBS), 9-10 November 2009, University of Twente, Enschede, the Netherlands*, ISBN: 978-90-365-2933-4, pp.133- 136.
4. **Matei D, Matei R.** New Algorithms for Pathology Detection in Angiography Images, *4th Annual Symposium of the Benelux Chapter of the IEEE Engineering in Medicine and Biology Society (EMBS), 9-10 November 2009, University of Twente, Enschede, the Netherlands*, ISBN: 978-90-365-2933-4, pp.94-97.
5. **Matei R, Matei D.** Study of Some EEG Signal Processing Methods for Detection of Epileptic Activity, the *12-th Mediterranean Conference on Medical and Biological Engineering and Computing MEDICON 2010, May 27-30, 2010, Chalkidiki, Greece, IFMBE Proceedings Vol.29*, pp.192-195, ISBN 978-3-642-13039-7
https://link.springer.com/chapter/10.1007/978-3-642-13039-7_48
6. **Matei R, Matei D, Corciova C, Tataru V.** A Class of 2D Filter Banks and Their Applications in Biomedical Image Analysis, *Proceedings of the 6th European Conference on Intelligent Systems and Technologies ECIT 2010, October 7-9, 2010, Iasi, Romania*
<http://www.iit.tuiasi.ro/ecit2010/index.html>
7. **Matei D, Matei R, Corciova C.** A Class of 2D Directional Filters with Applications in Biomedical Image Analysis, *5th European Conference of the International Federation for Medical and Biological Engineering EMBEC 2011, 14-18 Sept. 2011, Budapest, Hungary, IFMBE Proceedings Vol. 37 (Springer series)*, pp. 647-650, ISSN: 1680-0737, ISBN: 978-3-642-23507-8
https://link.springer.com/chapter/10.1007/978-3-642-23508-5_168
8. **Corciova C, Ciorap R, Matei D, Salceanu A,** Peripheral Vascular Measurement using Electrical Impedance Plethysmography, *International Conference on Advancements of Medicine and Health Care through Technology, Volume: 36, Pages: 136-139, 2011.*
https://link.springer.com/chapter/10.1007/978-3-642-22586-4_28
9. **Matei R, Matei D.** Vascular Image Processing Using Recursive Directional Filters. *World Congress on Medical Physics and Biomedical Engineering, Beijing, China, May 26-31, 2012, IFMBE Proceedings Vol. 39 (Springer series)*, pp. 947-950, ISBN: 978-3-642-29304-7.
https://link.springer.com/chapter/10.1007/978-3-642-29305-4_248

10. Călin Corciovă, Radu Ciorap, Dan Zaharia, **Daniela Matei**, On Using Impedance Plethysmography for Estimation of Blood Flow, Proceedings of The International Symposium on Medical Measurements and Application MeMeA 2011: 84-87.
<https://ieeexplore.ieee.org/document/5966672?section=abstract>
11. Călin Corciovă, Radu Ciorap, Dan Zaharia, **Dana Matei**. Hemodynamic Monitoring Using Peripheral Impedance Plethysmography, Proceedings of The 7th International Symposium on Advanced Topics in Electrical Engineering (ATEE), 2011: 529-532.
<http://toc.proceedings.com/12140webtoc.pdf>
12. Matei R, **Matei D.** Design and Applications of 2D Directional Filters Based on Frequency Transformations, Proceedings of the 18th European Signal Processing Conference EUSIPCO 2010, Aalborg, Denmark, August 23-27, 2010, pp. 1695-1699, ISSN: 2076-146.
https://www.eurasip.org/BriefConferenceReports/front_matter_EUSIPCO2010.pdf
13. C. Corciovă, R. Ciorap, **D. Matei**, A. Sălceanu, Design an Impedance Plethysmography System for Measuring Limb Blood Flow, Á. Jobbágy (Ed.): 5th European IFMBE Conference, IFMBE Proceedings 37:157–160, 2011.
https://link.springer.com/chapter/10.1007/978-3-642-23508-5_42
14. **Matei D**, Matei R, Corciova C. A Class of 2D Directional Filters with Applications in Biomedical Image Analysis, 5th European Conference of the International Federation for Medical and Biological Engineering EMBEC 2011, 14-18 Sept. 2011, Budapest, Hungary, IFMBE Proceedings Vol. 37 (Springer series), pp. 647-650, ISSN: 1680-0737, ISBN: 978-3-642-23507-8.
https://link.springer.com/chapter/10.1007/978-3-642-23508-5_168
15. Corciova C, Ciorap R, Zaharia D, **Matei D.** Hemodynamic monitoring using peripheral impedance plethysmography, 7th International Symposium on Advanced topics in Electrical Engineering ATEE 2011, pp 529-532, **ISBN: 978-1-4577-0507-6**.
<https://ieeexplore.ieee.org/document/5952186?reload=true&arnumber=5952186>
16. Doru Ionut Andritoi, **Daniela Matei**, Catalina Luca, Calin Corciova, Radu Ciorap, Preliminary Study Of HR Analysis On Patients Recovering After Stroke, The 9th International Symposium on Advanced topics in Electrical Engineering, Bucharest, May 7-9, 2015, pages 23-26. **DOI: 10.1109/ATEE.2015.7133670**
<https://ieeexplore.ieee.org/document/7133670>
17. D. Andrițoi, C. Corciovă, C. Luca, **D. Matei**, R. Ciorap. Heart Rate dynamics study on the impact of "Mirror therapy" in patients with stroke, International Conference Advancements of medicine and health care through technology MEDITECH 2016, IFMBE Proceedings pp 21-24.
https://link.springer.com/chapter/10.1007/978-3-319-52875-5_5
18. Radu Matei, **Daniela Matei**. Study of EEG with Epileptic Activity Using Spectral Analysis and Wavelet Transform. **WSEAS Transactions on Signal Processing, ISSN / E-ISSN: 1790-5052 / 2224-3488, Volume 13, 2017, Art. #27, pp. 241-247.**
<http://www.wseas.org/multimedia/journals/signal/2017/a525914-069.pdf>
19. Matei R, Matei D. Circular IIR Filter Design and Applications in Biomedical Image Analysis. ECAI 2018 - International Conference – 10th Edition, Electronics, Computers and Artificial Intelligence 28 June-30 June, 2018, Iasi, ROMÂNIA. **ISBN 18565958. DOI: 10.1109/ECAI.2018.8679092.**
<https://ieeexplore.ieee.org/document/8679092>
20. C.Luca, C. Corciova, **D. Matei**. The importance of computer methods in biomedicine- the analization between HRV and Types of exercices. 14th International Conference eLearning and Software for Education, Bucharest, april 2018, Vol. 3, p441-446. DOI: 10.12753/2066-026X-18-207
<https://proceedings.elseconference.eu/index.php?r=site/index&year=2018&index=papers&vol=29&paper=93abebe1ef962f5a83b3ba753836bc0a>
21. Fuior R, Andritoi D, Luca C, **Matei D.** Assisted Movement training system for convetional therapy techniques rehabilitation. 15th International Scientific Conference on eLearning and Software for Education eLSE, Bucharest, ROMANIA Date: APR 11-12, 2019, pp293-298.

<https://proceedings.elseconference.eu/>

Alte lucrări și contribuții științifice

Participări la conferințe

1. Daniela Matei, C. Corciova, D. Zaharia, CD Popescu. Prevalence of atherogenic profile and heart failure in vascular dementia. *European Psychiatry*, 2015, Volume 30, Supplement 1, Pages 594. doi:10.1016/S0924-9338(15)30473-9 **IF =3.349.**
2. Daniela Matei, V. Constantinescu, C. Corciova, CD Popescu. QT interval in patients with ischemic stroke with or without cognitive impairment. *European Psychiatry*, 2015, Volume 30, Supplement 1, Pages 593. doi:10.1016/S0924-9338(15)30473-7 **IF =3.349.**
3. Victor Constantinescu, CD. Popescu, D. Matei. Autonomic dysfunction in ischemic stroke patients. *International Journal of Stroke*. 2014; 9(3): 196. **IF 4.02.**
4. Corciova, C.; Matei, D.; Corciova. Using the pulse transit time for calculation of systolic and diastolic pressure. *ACTA PHYSIOLOGICA* Volume: 211 Special Issue: SI Supplement: 697 Pages: 87-87 Meeting Abstract: P4.11 Published: AUG 2014, **IF-4,25**
5. Ignat, E. B.; Matei, D.; Alexa, D.; et al. The effect of functional electrical stimulation on gait parameters in stroke survivors Conference: Joint Congress of European Neurology Location: Istanbul, TURKEY Date: MAY 31-JUN 03, 2014 Sponsor(s): European Federat Neurol Soc *JOURNAL OF NEUROLOGY* Volume: 261 Supplement: 1 Pages: S164-S164 Meeting Abstract: EP2252 Published: MAY 2014. **IF 4.01**
6. D. Matei, B. Ignat, C. Corciova, C.D. Popescu. Autonomic dysfunction and delayed recovery of nerve conduction after ischemic block in the offsprings of type 2 diabetes mellitus. 2012 EFNS *European Journal of Neurology* 19 (Suppl. 1), 458–807. **IF 3.852**
7. Daniela Matei, Bogdan Ignat, Calin Corciova, Cristian Dinu Popescu, Dan Zaharia- Autonomic Dysfunction in Teenagers with High Prevalence of Atherosclerotic Risk Factors, Abstr. in *Acta Physiologica* 2011; vol 203, Suppl 686 : PC065 **IF 3,138.**
8. Corciovă Călin, Matei Daniela, Sălceanu Alexandru, Corciovă Flavia, Impedance Pletismography Measurements In Peripheral Vascular Territory. Abstr. in *Acta Physiologica* 2011; vol 203, Suppl 686 : PC045 **IF 3,138.**
9. Constantinescu V, Matei D, Corciva C, et al. Importance of heart rate variability analysis in post stroke cardiac autonomic dysfunction. *European Journal of Neurology*, Volume: 26 Special Issue: SI Supplement: 1 Pages: 305-305 Meeting Abstract: EPR3053, 5th Congress of the European-Academy-of-Neurology (EAN) Location: Oslo, Norway . **IF 3.956**
10. Apostol I, Topoliceanu F, Stratone A, Botez P, Budescu E., **Matei D.**, Ciupilan D., Ciorap R., Costin H. – Ergometric and Electrophysiologic Explorations of the Joint-Muscle System Biomechanics – XV-eme Session des Journees Medicales Balkaniques, Iasi, Romania, 28-30 Avril 1999.
11. Filip F, Apostol I, Balteanu C., Botez P., Stratone A., Topoliceanu F, Dumitras L., **Matei D.**, Dionisie B., Chiruta R., Ciorap R. – Modern Concepts in the Functional Assessment of Neuromuscular Performance and Rehabilitation – XV-eme Session des Journees Medicales Balkaniques, Iasi, Romania, 28-30 Avril 1999.
12. Topoliceanu F, Stratone A., Filip F, Ciochina D., **Matei D.**, Ciofea R., Dionisie B., Ciorap R., Gura A., Apostol A. Comparative Study Concerning the Contribution of Tensorheo-Oscillographic Integrated Photoplethysmographic, Echosphymographic and Vein Occlusion Plethysmography Techniques in the Exploration of Peripheral Microvascular Circulation, XV-eme Session des Journees Medicales Balkaniques, Iasi, Romania, 28-30 Avril 1999.
13. Topoliceanu F, Ciorap R., Stratone A., Bălteanu C., Filip Fl., Ciochină D., Ciofea R., **Matei D.**, Dionisie B., Chirută R. – Contributii la explorarea neinvazivă a hemodinamicii cardiovasculare prin pletismografia de impedanță, a XVI-a Conferinta Nationala de Fiziologie, 21-23 octombrie 1999, Craiova
14. Stratone A., Graur M., Topoliceanu F., Pentelei E., Chiruta R., Filip F., **Matei D.**, Dionisie B., Ciofea R. – The role of diagnostic tests in the management of diabetes mellitus - a XVI-a Conferinta Nationala de Fiziologie,

- 21-23 octombrie 1999, Craiova.
15. R. Ciorap, Fl. Topoliceanu, R. Lupu, C. Corciovă, I. Cârlig, **D. Matei**. Modalități de control a stimulării electrice funcționale utilizate în bioingineria recuperării. Zilele Universității de Medicină și Farmacie „Gr. T. Popa” Iași, 29– 30 noiembrie 2002.
 16. F. Filip, D. Zaharia, R.Ciofea, B. Dionisie, **D. Matei**, A. Stratone, F. Topoliceanu. Standardizarea electrodiagnosticului neuro-muscular în polineuropatia diabetică - Zilele Universității de Medicină și Farmacie „Gr. T. Popa” Iași, 29 –30 noiembrie 2002.
 17. **D. Matei**, A. Stratone, R. Chiruta – Metode screening de evaluare a neuropatiei în diabetul zaharat tip II - a 20-a Conferință Națională a Societății Române de științe Fiziologice; 26 – 28 mai 2005, Sibiu, Sibiul Medical, vol 16, pag 37.
 18. **D. Matei**, R. Ciorap, B. Dionisie, F. Topoliceanu – Qt interval prolongation as indicator of cardiac autonomic neuropathy in type II diabetes mellitus - a **XXI-a Conferință Națională a SRSF**, Oradea-Băile Felix, 11-13 mai 2006, vol rezumate pag 81-82.
 19. **D. Matei**, B. Dionisie, R. Ciofea, A. Stratone, L. Dumitraș – Nerve conduction studies in asymptomatic type II diabetes and impaired glucose tolerance - a **XXI-a Conferință Națională a SRSF**, Oradea-Băile Felix, 11-13 mai 2006, vol rezumate pag 83-84.
 20. **D. Matei**, A. Stratone, B. Dionisie – Modificări neuroelectrofiziologice în hepatopatiile cronice - Simpozionul “Gheorghe Marinescu” al Societății Naționale de Neuroștiințe, București, 2-3 iunie 2007, vol rez. pag.22-23.
 21. **D. Matei**, F. Topoliceanu, L. Dumitraș – Importanța înregistrării potențialelor evocate somatosenzoriale în monitorizarea diabetului zaharat tip II - Simpozionul “Gheorghe Marinescu” al Societății Naționale de Neuroștiințe, București, 2-3 iunie 2007, vol rezumate pag.24-25.
 22. **D. Matei**, F. Topoliceanu, L. Dumitraș – Utilitatea înregistrării potențialelor evocate auditive în diabetul zaharat tip II - Conferința Națională a Societății Române de Științe Fiziologice, București, 1-2 iunie 2007.
 23. R.Matei, **D.Matei** – Some Biomedical Image Processing Tasks Using Analog Algorithms, 5th European Conference on Intelligent Systems and Technologies, ECIT 2008, 10-12 July 2008, Iasi, Romania.
 24. **D. Matei** – The Hippocratic tradition of homeopathy, 2nd Amphictyony Conference, Kos, Greece, 30 April - 3 May, 2009.
 25. **D. Matei** – The natural way is the only way, 2nd Amphictyony Conference, Kos, Greece, 30 April - 3 May, 2009.
 26. **D. Matei**, C. Corciova, A. Stratone – Nerve conduction abnormalities in patients with impaired glucose tolerance and type 2 diabetes mellitus, The 24th National Conference of the Romanian Society of the Physiological Sciences, iunie 2-5, 2010, Oradea.
 27. C. Corciova, **D. Matei** – Measurements of the pulse wave in limbs using impedance plethysmography, The 24th National Conference of the Romanian Society of the Physiological Sciences, iunie 2-5, 2010, Oradea, volum rezumate publicat in Revista Fiziologia, pag. 8, ISSN 1223-2076.
 28. C. Corciovă, R. Ciorap, D. Zaharia, **D. Matei**. Peripheral hemodynamic measurements using impedance pletismography, Proceedings of The 7th European Symposium on Biomedical Engineering - ESBME 2010, Greece
 29. **D. Matei**, C. Corciova – Brachial artery flow mediated dilatation in recently diagnosed type 2 diabetes mellitus, The 24th National Conference of the Romanian Society of the Physiological Sciences, iunie 2-5, 2010.
 30. **D. Matei**, C. Corciova – Renal dysfunction prolongs QT interval in hypertensive patients, A XXV-a Conferință Națională a Societății Române de Fiziologie, 26 - 28 Mai 2011, Târgu Mureș
 31. **D. Matei**, C. Corciova, B. Ignat. Modifications of spiographic parameters in patients with Parkinson’s disease, A XXV-a Conferință Națională a Societății Române de Fiziologie, 26 - 28 Mai 2011, Târgu Mureș.
 32. **D. Matei**, B. Ignat, C. D. Popescu, Autonomic dysfunction in type 2 diabetes mellitus with and without vascular dementia, The VII Congress of Vascular Dementia, Riga 20-23 octomber 2011.
 33. **D. Matei**, B. Ignat, C.D. Popescu. Autonomic dysfunctions in young obese adults with family history of type 2 diabetes mellitus, The XX th World Congress of Neurology, *Marrakesh*, November 12-17, 2011.

34. **D.Matei**, B. Ignat, C. Corciova, C. D. Popescu, D. Zaharia. Autonomic Dysfunction in Teenagers with High Prevalence of Atherosclerotic Risk Factors, The 8th Congress of European Federation of Physiological Societies (FEPS) Istanbul, Turkey, 3 - 7 September, 2011.
35. Corciovă C., Zaharia D., **Matei D.**, Corciovă F. Measuring the Instant Arterial Blood Pressure from Bioimpedance Wave, abstract in Acta Medica Marisiensis, 2011, vol 57, supl 2:11, Conferința Națională de Fiziologie 2011.
36. **D. Matei**, C. D. Popescu, B. Ignat, L. Dumitras. Autonomic dysfunction and peripheral nerve involvement in patients with more severe Parkinson's disease, 8th International Congress On Mental Dysfunction & Other Non-Motor Features in Parkinson's Disease and Related Disorders, Berlin, Germany, 3-6 May, 2012.
37. **D. Matei**, B. Ignat, C. Corciova, C. D. Popescu. Autonomic dysfunction and delayed recovery of nerve conduction after ischemic block in the offsprings of type 2 diabetes mellitus, 16th Congress of the European Federation of Neurological Societies – EFNS 2012, Stockholm, Sweden, September 8-11, 2012, P2949.
38. **D Matei**, C Corciova, L Dumitras. Peripheral nerve involvement in patients with multiple sclerosis - Joint FEPS and Spanish Physiological Society Scientific Congress, Santiago de Compostela, 8-11 septembrie, 2012, P 174.
39. C. Corciovă, D. Zaharia, **D. Matei**. The Importance of Electroneurographic Exam for Recovery Assessment of patients with Carpal Tunnel Syndrome, abstract in Balneo-Research Journal 2012; 3(2):26.
40. C. Corciovă, **D. Matei**, F. Corciovă, Mathematical Model of the Cardiovascular System, Joint FEPS and Spanish Physiological Society Scientific Congress, 2012.
41. Corciovă C., **Matei D.**, Gheorghită A., Corciovă F. – Electrical Bioimpedance Method in Study of Pulmonary Blood Circulation, Al 11-lea Congres National al Societatii Romane de Fiziologie, 2012.
42. Călin Corciovă, Dan Zaharia, **Daniela Matei**, The Importance of electroneurographic exam for Recovery Assessment of patients with Carpal Tunnel Syndrome, Abstr in Balneo-Research Journal 2012; 3(2):26.
43. Călin Corciova, Dan Zaharia, **Daniela Matei**, The Importance of Stimulodetection Examination in Evaluating the Recovery of Patients with Lumbago-Sciatica, Abstr in Balneo Research Journal, 2013, Vol 4, No 2, Supliment.
44. Călin Corciovă, **Daniela Matei**, Flavia Corciovă, Modelling the Aortic Blood Flow Using the Windkessel Equations, Abstr in Rev Med Chir Soc Med Nat Iasi, 2014, 118(3, supl 1):13.
45. Călin Corciovă, **Daniela Matei**, Flavia Corciovă. Modelling the Aortic Blood Flow Using the Windkessel Equations, Al 10 –lea Congres National cu participare internationala al Societatii Romane de Chirurgie Cardiovasculara, SRCCV 2014, Iasi, 18-21 septembrie 2014, publicata in supliment al Revistei Medico-Chirurgicale.
46. Călin Corciovă, **Daniela Matei**, Dan Zaharia, Flavia Corciovă, Constraint induced movement therapy enhances upper extremity motor recovery in stroke patients, Abstr in Balneo Research Journal, 2015, Vol 6, No 2, Pages: 98
47. C. Corciova, R. Ciorap, **D. Matei**, F. Corciova. Using impedance plethysmography to measure arterial perfusion (Invited), The 3rd International Conference Health Technology Management, October 6-7, 2016, Chisinau, Moldova.
48. D. Andrițoi, C. Corciovă, C. Luca, **D. Matei**, R. Ciorap, Heart Rate dynamics study on the impact of "Mirror therapy" in patients with stroke, International Conference Advancements of medicine and health care through technology MEDITECH 2016, IFMBE Proceedings pp 21-24.
49. C. Corciovă, **Daniela Matei**, Flavia Corciovă, G. Tinică, Using mathematical models and simulation in cardiovascular surgery, The 12th Congress of the Romanian Society of Cardiovascular Surgery, 13 - 16 October 2016, Poiana Brașov, România.
50. Călin Corciovă, Cătălina Luca, Doru Andrițoi, **Daniela Matei**, Heart Rate Variability During Exercise Testing, Abstr in Balneo Research Journal, 2016, Vol 8, No 1, Pages: 64.
51. Corciovă Călin, Luca Cătălina, **Matei Daniela**, Corciovă Flavia. Virtual reality in upper extremity therapy rehabilitation, National Congress of Balneology, 4 —7 Mai 2017, Baile Govora, România. Balneo Research Journal DOI: <http://dx.doi.org/10.12680/balneo.2017.144> Vol.8, No.1, May 2017.

52. Călin Corciovă, Marius Turnea, **Daniela Matei**, Flavia Corciovă, Grigore Tinică. Mathematical model of aortic blood flow using Windkessel effect, 13th Annual Meeting of the Euro-Asian Bridge Society for Cardiovascular Surgery, 21-24 sept 2017, Iași, România.
53. Călin Corciovă, **Daniela Matei**, Flavia Corciovă, Grigore Tinică. Pulse wave velocity measurement - early indicator for atherosclerosis, 13th Annual Meeting of the Euro-Asian Bridge Society for Cardiovascular Surgery, 21-24 sept 2017, Iași, România.
54. Călin Corciovă, Cătălina Luca, Doru Andrițoi, **Daniela Matei**. Studiu privind dispozitive robotice utilizate în reabilitarea membrului superior. Balneo Research Journal DOI: <http://dx.doi.org/10.12680/balneo.2017.150> Vol.8, No.3, September 2017.
55. Călin Corciovă, Cătălina Luca, Doru Andrițoi, **Daniela Matei**. A study on robotic devices used in rehabilitation of the upper limb. Balneo Research Journal DOI: <http://dx.doi.org/10.12680/balneo.2017.150> Vol.8, No.3, September 2017.
56. Călin Corciovă, Cătălina Luca, Doru Andrițoi, **Daniela Matei**. A study on robotic devices used in rehabilitation of the upper limb, Conferința Națională Interdisciplinară "Abordări comprehensive în problematica durerii și în patologia vertebro-medulară - în contextul marcării Zilei internaționale a leziunilor mielice (WORLD SCI Day) -3-5 septembrie 2017, Mamaia, România.
57. Călin Corciovă, Cătălina Luca, Flavia Corciovă, **Daniela Matei**. The benefits of emotional stimuli in a virtual reality cognitive and motor rehabilitation. The 30 th National Conference of Physiology – Integrative Physiology, from fundamental mechanisms to biomedical application, 27-29 september, Cluj-Napoca, 2018. Clujul Medical – Journal of Medicine and Pharmacy, Supplement No.6, Vol 91, 2018.
58. Corciova C, Luca C, Andritoi D, **Matei D**. Real-time system for rehabilitation with assistive feedback for gait control. The 8 th International Conference Biomaterials, Tissue Engineering&Medical Devices, 27-29 sept, 2018, Cluj-Napoca, Romania.
59. Călin Corciovă, Marius Turnea, **Daniela Matei**. A Mathematical Model of Muscle Contraction, Al IX-lea Congres Internațional de Biologie Celulară și Moleculară cu participare internațională, 7-11 iunie Iași, România.
60. Corciova C, **Matei D**, Luca C, Gheorghita A. A biomedical system for on-line measurements of gait parameter. Balneo Research Journal DOI: <http://dx.doi.org/10.12680/balneo.2018.182> P014 Vol.9, No.2, May 2018 p:196.
61. R. Matei, D. Matei, "Multiresolution Spectral Analysis of Epileptic EEG Signals Using Various Wavelet Types", Proceedings of IEEE International Conference on E-Health and Bioengineering, EHB 2019, 21-23 November 2019, Iași, România.
62. Corciova C, Luca C, Andritoi D, **Matei D**. Real-time system for rehabilitation with assistive feedback for gait control. BiomMEDD' 2018, 27-29 september, Cluj –Napoca.
63. Călin Corciovă, **Daniela Matei**, Cătălina Luca. Applications of Virtual Reality Technology in Rehabilitation 6th International Conference & Exhibition on Physiotherapy & Physical Rehabilitation August 13-14, 2018 | London, UK Physiother Rehabil 2018, Volume 3 DOI: 10.4172/2573-0312-C1-003.
64. Dragos Petrica SARDARU, Daniela MATEI. Influences of Mandible Position and Activities on Human Postural Control, Balneo Research Journal DOI: <http://dx.doi.org/10.12680/balneo.2020.346.L17> OP Vol.11, No.3, September 2020 p: L17
65. Robert Fuior, Cătălin Ionițe, Daniela Viorelia Matei, Călin Corciovă ASSISTIVE SENSORY REHABILITATION DEVICE FOR HAND HYPOESTHESIA. Balneo Research Journal DOI: <http://dx.doi.org/10.12680/balneo.2020.346.L27> OP Vol.11, No.3, September 2020 p: L27
66. Matei Daniela, Luca Catalina, Fuior Robert, Sardaru Dragos, Corciova Calin CHANGES OF SPIROGRAPHIC AND HEART RATE VARIABILITY PARAMETERS AFTER RESONANT BREATHING EXERCISE TRAINING Balneo Research Journal DOI: <http://dx.doi.org/10.12680/balneo.2020.346.L72> OP Vol.11, No.3, September 2020 p: L72

67. Onu Ilie, Matei D, Gherghel R. Studiu asupra eficientei aplicatiei curentilor TENS/Diadinamici/Trabert in programul complex de fizioterapie, in tratamentul sdr. radiculare lombare. Congresul National al fiziokinetoterapeutilor din Romania 2020.

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Conf. DR. Matei Daniela Viorelia