

LISTĂ DE LUCRĂRI ELABORATE DE EMANUEL- ANDREI PISERU

1. Piseru, T., **Piseru, E. A.**, Rotariu, M., Matei, D. V., Alexa, D., Constantinescu, V., ... & Sar-daru, D. P. Effects of combined mirror therapy and functional electrical stimulation on upper limb motor recovery in subacute stroke: A pilot controlled clinical study. *Balneo and PRM Research Journal* 2026, 17 (1), 958. <https://bioclima.ro/Balneo958.pdf> **DOVADĂ**
2. Böckels, L., Alexa, D., Antal, D. C., Gaţcan, C., Alecu, C., Kacani, K., **Piseru, E. A.**, ... & Cuciureanu, D. I. (2026). The Microbiome–Neurodegeneration Interface: Mechanisms, Evidence, and Future Directions. *Cells*, 15(2), 135. <https://doi.org/10.3390/cells15020135>. - <https://www.mdpi.com/2073-4409/15/2/135> **DOVADĂ**
3. **Piseru, E. A.**, Piseru, T., Ignat, B. E., Grosu, C., Alexa, D., & Cretu, R. A. (2024). 713 Poststroke Spasticity: Pathophysiology and Management An Accurate Evaluation of Spasticity. *Balneo and PRM Research Journal*, 15(2). <https://bioclima.ro/Journal/index.php/BRJ/article/view/271> **DOVADĂ**
4. **Piseru, E. A.**, Piseru, T., Miron, A. R., & Poboroniuc, M. S. (2024, October). Fostering Upper Limb Recovery through Interdisciplinary Collaboration: A Review of Robotic Devices, Functional Electrical Stimulation, and Mirror Therapy. In *2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEI)* (pp. 378-385). IEEE. <https://ieeexplore.ieee.org/abstract/document/10758176> **DOVADĂ**
5. **Piseru, E. A.**, Piseru, T., Poboroniuc, M. S., Ionascu, R., Roman, A. I., Ignat, B., & Grosu, C. (2022, November). Clinical Evaluation of a New Mechatronic Glove for Hand Rehabilitation. In *2022 E-Health and Bioengineering Conference (EHB)* (pp. 1-4). IEEE. <https://ieeexplore.ieee.org/abstract/document/9991540> **DOVADĂ**
6. Piseru, T., **Piseru, E. A.**, Roman, A. I., Ionascu, R., Poboroniuc, M. S., & Miron, A. R. (2024, May). Revolutionizing upper limb motor control restoration: A novel EMG-based feedback system for individuals with neurological diseases. In *2024 International Conference on Development and Application Systems (DAS)* (pp. 160-167). IEEE. <https://ieeexplore.ieee.org/abstract/document/10541156> **DOVADĂ**
7. Piseru, T., **Piseru, E. A.**, Roman, A. I., Ionascu, R., Poboroniuc, M. S., & Miron, A. R. (2024, May). Advancing Towards Clinical Validation of an Innovative System for Restoring Upper Limb Control in Individuals with Neurological Disorders. In *2024 International Conference on Development and Application Systems (DAS)* (pp. 168-175). IEEE. <https://ieeexplore.ieee.org/abstract/document/10541162> **DOVADĂ**
8. Sardaru, D. P., Onu, I., Luca, C., Zaharia-Kezdi, D., Matei, D., Druguş, D., **Piseru, E. A.**, Muşat, C. L. (2023). Specialized Manual Therapy Techniques which Can Improve Neuromotor Outcome in Patients with Foot-Drop Syndrome. *BRAIN. Broad Research in Artificial Intelligence and Neuroscience*, 14(3), 330-342. <https://brain.edusoft.ro/index.php/brain/article/view/1429> **DOVADĂ**
9. Poboroniuc, M. S., Roman, A. I., Ionaşcu, R., Piseru, T., **Piseru, E. A.**, Irimia, D. C., Baciuc, A., Mitocaru, A., Ionescu, Ş. A. (2023, June). Hybrid FES & Mechatronic Devices Aiming to Assess and Support Rehabilitation in Stroke People. In *2023 The XXVII International Conference "INVENTICA 2023. Science of creativity"*. <https://doi.org/10.2478/9788367405201-009> <https://philpapers.org/rec/POBHFD> **DOVADĂ**
10. Roman, A. I., Poboroniuc, M. S., Irimia, D. C., Piseru, T., & **Piseru, E. A.** (2022, November). Clinical Tests of a New Device Aiming to Assess and Rehabilitate the Hand in Stroke People. In *2022 E-Health and Bioengineering Conference (EHB)* (pp. 1-4). IEEE. <https://ieeexplore.ieee.org/abstract/document/9991559> **DOVADĂ**

