

Author: Assoc. Prof. Dr. Nadinne Alexandra Roman

Habilitation thesis title: Multidisciplinary Approaches in Physiotherapy: Integrating Rehabilitation alongside Technological Innovation

Domain: Medicine

PUBLICATIONS LIST

RELEVANT PAPERS

1. **Roman N.**, Miclaus R., Repanovici A., Nicolau C. - Equal Opportunities for Stroke Survivors' Rehabilitation: A study on the Validity of the Upper Extremity Fugl-Meyer Assessment Scale Translated and Adapted into Romanian. *Medicina*, 2020 **Q2** <https://doi.org/10.3390/medicina56080409>
2. Miclaus R., **Roman N.**, Caloian S., Mitoiu B., Suci O., Onofrei R., Pavel E., Neculau A. - Non-Immersive Virtual Reality for Post-Stroke Upper Extremity Rehabilitation: A Small Cohort Randomized Trial. *Brain sciences*, 2020 <https://doi.org/10.3390/brainsci10090655>
3. Miclaus RS., **Roman N.**, Henter R., Caloian S. - Lower Extremity Rehabilitation in Patients with Post-Stroke Sequelae through Virtual Reality Associated with Mirror Therapy. *Int. J. Environ. Res. Public Health* 2021- **Q1** <https://doi.org/10.3390/ijerph18052654>
4. **Roman NA.**, Miclaus RS., Nicolau C., Sechel G. - Customized Manual Muscle Testing for Post-Stroke Upper Extremity Assessment. *Brain Sci.* 2022 <https://doi.org/10.3390/brainsci12040457>
5. Duca L., **Roman NA.**, Miron A., Teodorescu A., Dima L., Ifteni P. - WHODAS Assessment Feasibility and Mental Health Impact on Functional Disability in Systemic Lupus Erythematosus. *Healthcare* 2022 **Q2** <https://doi.org/10.3390/healthcare10061053>
6. **Roman N.**, Baseanu C., Tachel IV., Nicolau C., Repanovici A., Manaila A., Minzatanu D., Miclaus RS. - "The Benefits of Combining Mixed Virtual Reality Exergaming with Occupational Therapy for Upper Extremity Dexterity" *Electronics* 2023 **Q2** <https://doi.org/10.3390/electronics12061431>
7. **Roman NA.**, Tachel VI., Nicolau C., Grigorescu OD., Necula R. - Functional Electrostimulation in Patients Affected by the Most Frequent Central Motor Neuron Disorders—A Scoping Review. *Applied Sciences* 2023 **Q2** <https://doi.org/10.3390/app13063732>
8. **Roman N**, Miclaus RS, Necula R, Dumistracel A, Cheregi C, Grigorescu OD. Physiotherapy Efficiency in Post-stroke Upper Extremity Spasticity: TENS vs. Ultrasound vs. Paraffin. In. *Vivo*, 2023 <https://doi.org/10.21873/invivo.13163>
9. Nicolau C., Henter R., **Roman N.**, Neculau A., Miclaus R. -Tele-Education under the COVID-19 Crisis: Asymmetries in Romanian Education. *Symmetry*, 2020. **Q2** <https://doi.org/10.3390/sym12091502>
10. Cîmpeanu, M.-C.; **Roman, N.**; Grigorescu, S.; Grigorescu, O.-D.; Miclăuș, R.S. Management of "De Novo" Carpal Tunnel Syndrome in Pregnancy: A Narrative Review. *J. Pers. Med.* 2024, *14*, 240. <https://doi.org/10.3390/jpm14030240> **Q2**

PhD THESIS

"Ethical aspects regarding the physiotherapist-patient relationship, in the context of European Union legislation.", under the supervision of Professor Liliana Rogozea

BOOKS / BOOK CHAPTERS

1. **N. Roman**, "Electrotherapy guide", Luxlibris Publishing House, May 2015

2. R. Miclăuș, **N. Roman**, " Kinesiology Course and Applied Kinesiology", Luxlibris Publishing House, February 2016, ISBN 978-973-131-319-1

JOURNAL ARTICLES

ISI papers:

Principal author

1. Miclaus R., Repanovici A., **Roman N.** - Biomaterials: Polylactic Acid And 3d Printing Processes For Orthosis And Prosthesis, Revista De Materiale Plastice, vol I, 2017. <https://doi.org/10.37358/MP.17.1.4794>
2. **Roman N.**, Tirziman E. , Sorea D. , Miclaus R. , Repanovici A. , Amaricai E. , RogozeaL. - Ethical Dilemmas in the Interdisciplinary Approach to Informed Consent to Patients in Physiotherapy Services in Romania. Revista de Cercetare si Interventie Sociala. 2018. https://www.rcis.ro/images/documente/rcis63_18.pdf
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3. **Roman N.**, Cojocar D., Coman C., Repanovici A., Ferrandiz Bou S., Miclaus R. - Materials for Respiratory Masks in the Context of COVID 19 Pandemic. Materiale Plastice. 2020 <https://doi.org/10.37358/MP.20.4.5423>
4. **Roman N.**, Miclaus R. , Repanovici A. , Nicolau C. - Equal Opportunities for Stroke Survivors' Rehabilitation: A study on the Validity of the Upper Extremity Fugl-Meyer Assessment Scale Translated and Adapted into Romanian. Medicina, 2020 **Q2** <https://doi.org/10.3390/medicina56080409>
5. Miclaus R., **Roman N.**, Caloian S., Mitoiu B., Suci O., Onofrei R., Pavel E., Neculau A. - Non-Immersive Virtual Reality for Post-Stroke Upper Extremity Rehabilitation: A Small Cohort Randomized Trial. Brain sciences, 2020 <https://doi.org/10.3390/brainsci10090655>
6. Miclaus RS., **Roman N.**, Henter R., Caloian S. - Lower Extremity Rehabilitation in Patients with Post-Stroke Sequelae through Virtual Reality Associated with Mirror Therapy. Int. J. Environ. Res. Public Health 2021- **Q1** <https://doi.org/10.3390/ijerph18052654>
7. **Roman NA.**, Miclaus RS., Nicolau C, Sechel G. - Customized Manual Muscle Testing for Post-Stroke Upper Extremity Assessment. Brain Sci. 2022 <https://doi.org/10.3390/brainsci12040457>
8. Duca L., **Roman NA.**, Miron A., Teodorescu A., Dima L., Ifteni P. - WHODAS Assessment Feasibility and Mental Health Impact on Functional Disability in Systemic Lupus Erythematosus. Healthcare 2022 **Q2** <https://doi.org/10.3390/healthcare10061053>
9. Nicolau C., Henter R., Comșit M., **Roman N.** - The M-Commerce of Solar Energy Applications: An Analysis of Solar Energy Consumers' Effort Paradox. Electronics 2022 **Q2** <https://doi.org/10.3390/electronics11152357>
10. Duca L, **Roman N**, Teodorescu A, Ifteni P. - Association between Inflammation and Thrombotic Pathway Link with Pathogenesis of Depression and Anxiety in SLE Patients, Biomolecules. 2023. **Q1** <https://doi.org/10.3390/biom13030567>
11. **Roman N.**, Baseanu C.,Tuchel IV., Nicolau C., Repanovici A., Manaila A., Minzatanu D., Miclaus RS. - "The Benefits of Combining Mixed Virtual Reality Exergaming with Occupational Therapy for Upper Extremity Dexterity" Electronics 2023 **Q2** <https://doi.org/10.3390/electronics12061431>
12. **Roman NA.**, Tuchel VI., Nicolau C., Grigorescu OD., Necula R. - "Functional Electrostimulation in Patients Affected by the Most Frequent Central Motor Neuron Disorders—A Scoping Review" Applied Sciences 2023 **Q2** <https://doi.org/10.3390/app13063732>
13. **Roman N**, Miclaus RS, Necula R, Dumistracel A, Cheregi C, Grigorescu OD. Physiotherapy Efficiency in Post-stroke Upper Extremity Spasticity: TENS vs. Ultrasound vs. Paraffin. In. Vivo, 2023 <https://doi.org/10.21873/invivo.13163>

14. Duca, L.; **Roman, N.A.**; Ifteni, P.; Teodorescu, A. One-Year Outcomes for Depression and Anxiety in SLE Patients. *Biomedicines* **2024**, *12*, 484. <https://doi.org/10.3390/biomedicines12030484> Q1

Secondary Author

1. Drugus D., Repanovici A., Popa D., Tirziman E., **Roman N.**, Rogozea L., Miclaus R. - Social Impact Of Public Health Care In Risk Management Implementation, Revista de Cercetare si Interventie Sociala. 2017. https://www.rcis.ro/images/documente/rcis56_06.pdf Q2
2. Opran C., Cotoros D., **Roman N.**, Repanovici A., Miclăuș R. - Research Regarding The Impact Behaviour Of Some Polymeric Bio- Composite Products For Orthopedic Use, Revista de Materiale Plastice, Vol 2, ed 54, 2017 <https://doi.org/10.37358/MP.17.3.4867>
3. Nicolau C., Henter R., **Roman N.**, Neculau A., Miclaus R. -Tele-Education under the COVID-19 Crisis: Asymmetries in Romanian Education. *Symmetry*, 2020. Q2 <https://doi.org/10.3390/sym12091502>
4. Sechel G, Rogozea LM, **Roman NA**, Ciurescu D, Cocuz ME, Manea RM. - Analysis of breast cancer subtypes and their correlations with receptors and ultrasound. *Rom J Morphol Embryol*. 2021. DOI: 10.47162/RJME.62.1.28 <https://rjme.ro/RJME/resources/files/620121269278.pdf>
5. Pantea I., **Roman N.**, Repanovici A., Drugus D. - Diabetes Patients' Acceptance of Injectable Treatment, a Scientometric Analysis. *Life* 2022 Q2 <https://doi.org/10.3390/healthcare10050773>
6. Sava CN, Bodog TM, Niulas LR, Iuhas AR, Marinaiu CP, Negrut N, Balmos AB, Pasca B, **Roman NA**, Delia Nistor-Cseppento C. Biomarker Changes in Pediatric Patients With COVID-19: A Retrospective Study from a Single Center Database. *In Vivo*. 2022 <https://doi.org/10.21873/invivo.13019>
7. Draghici DA, Pantea I, **Roman N**, Drugus D, Repanovici A. In Vitro Mechanism Whit Pulsative Laser On Thrombolysis. ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICSMECHANICS AND ENGINEERING. 2022 <https://atna-mam.utcluj.ro/index.php/Acta/article/view/1945/1544>
8. Cîmpeanu, M.-C.; Roman, N.; Grigorescu, S.; Grigorescu, O.-D.; Miclăuș, R.S. Management of "De Novo" Carpal Tunnel Syndrome in Pregnancy: A Narrative Review. *J. Pers. Med.* **2024**, *14*, 240. <https://doi.org/10.3390/jpm14030240> Q2

BDI papers

1. **Nadinne Roman**, Angela Repanovici, Liliana Rogozea. Evoluția aspectelor etice și a dilemelor morale în practica clinică a fiziokinetoterapeuților. *Jurnal Medical Brasovean*. Vol 2. P 91-96. 2014 <https://webbut.unitbv.ro/index.php/jmb/article/view/5248/4095>
2. Cornelia, A., Tarziman, E., Bors, S., Repanovici, A., & Drugus, D. Information Management For The Retrieval Of Health Legislation And Medical Ethics Codes For Patients-Users. *Revista Romana de Bioetica*, v. 13, n. 3, nov. 2015. <https://www.proquest.com/docview/1755840688?sourcetype=Scholarly%20Journals>
3. Silviu Caloian, Roxana Miclăuș, **Nadinne Roman**. Microsoft Xbox Kinect - Video Games From the Applied Technology in Physiotherapy Rehabilitation. *Jurnal Medical Brasovean*. Vol 1. 2016. P 32-35. <https://webbut.unitbv.ro/index.php/jmb/article/view/4060/3193>
4. Roxana Miclăuș, Lavinia Buvnariu, **Nadinne Roman**, Silviu Caloian, Cristina Mateescu, Liliana Rogozea. SOVATA-ISTORIE ȘI PRACTICĂ BALNEARĂ. *Jurnal Medical Brasovean*. Vol 1, 2017. p 90-97. <https://webbut.unitbv.ro/index.php/jmb/article/view/3394/2703>
5. **Nadinne Roman**, Silviu Caloian, Roxana Miclăuș, Liliana Rogozea. Historical milestones in the development of physiotherapy on the territory of Romania, at the end of the 19-th century, beginning of the 20-th century. *Jurnal Medical Brasovean*. Vol 2, 2017, p 104-108. <https://webbut.unitbv.ro/index.php/jmb/article/view/3431/2735>
6. Roxana Miclaus, Liliana Rogozea, Adriana Sarah Nica, **Nadinne Roman**, Silviu Caloian, Cristina Mateescu. Reglementările Legislative Balneare la Limita Dintre Secole (Al XIX-Lea Și Înainte De Primul Război

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7. **N Roman**, R Miclaus, L Rogozea. Aspects about how the Type of Physiotherapy Bachelor's Degree Studies Influences the Ethical and Professional Behavior of Physiotherapists. Bulletin of the Transilvania University of Brasov. Series VI: Medical Sciences. Vol 11 (60), No. 2, 2018. http://webbut2.unitbv.ro/BU2018/Series%20VI/2018/BULETIN%20I/01_ROMAN.pdf
 8. **Nadinne Roman**, Roxana Miclaus, Liliana Rogozea. Ethical considerations about informed consent in physiotherapy in Romania. Medicine and Pharmacy Reports. 92(4), 362–367. 2019. <https://doi.org/10.15386/mpr-1223> (indexat inPubMed)
 9. Roxana Miclaus, **Nadinne Roman**. New study on the neuromuscular dystrophy rehabilitation program. Timisoara Physical Education and Rehabilitation Journal. Vol 12 (23), p 32-38, 2019. <https://tperj.uvt.ro/wp-content/uploads/2020/01/V12IS23A5B.pdf>
 10. R. Miclăuș, R. Necula, I. Șamotă, **N. Roman**. Physical Rehabilitation Before And After Arthroscopy. Bulletin of the Transilvania University of Brașov. Series VI: Medical Sciences Vol. 12 (61) No. 2 – 2019. <https://doi.org/10.31926/but.ms.2019.61.12.2.2>
 11. Ciprian Vasile Pojala, **Nadinne Roman**. Upper Extremity Virtual Reality Rehabilitation In Post-Stroke Patients- A Literature Review. Jurnal Medical Brasovean. Vol 2, p 12-17, 2022 <https://webbut.unitbv.ro/index.php/jmb/article/view/3490/2773>

PAPERS IN INTERNATIONAL CONFERENCES

ISI Proceedings

1. Dan Gabor, Ana Maria Cornelia, **Nadinne Roman**. Research Regarding Optimal Solutions In The Polygraph Testing System, The International Scientific Conference Globalization, Intercultural Dialogue And National Identity Tg. Mureș, 29-30 mai 2014, p 191-197, <https://old.upm.ro/gidni/GIDNI-01/Law/Law%2001%2026.pdf>
2. **Roman, Nadinne**. Physiotherapy devices able to generate ethical dilemmas. MATEC Web of Conferences. 2017. DOI: 10.1051/mateconf/201711208001 https://www.matec-conferences.org/articles/mateconf/abs/2017/26/mateconf_imane2017_08001/mateconf_imane2017_08001.html
3. Miclaus, S.R.; **Roman, N.A.**; Caloian, S.T.; Constantinovici, M.I. Chronic Rheumatic Pain with Surgical Indication. Proceedings Of The 14th National Congress Of Urogynecology And The National Conference Of The Romanian Association For The Study Of Pain Page 483-487. 2017 (WOS:000428762000095)
4. **Roman, Nadinne** ; Amaricai, Elena ; Caloian, Silviu. The Importance of Digitizing Old Medical Books and Modern Medical Ethics Books in the Field of Medicine. Book Power in Communication, Sociology and Technology. 2018 <https://trivent-publishing.eu/triventvechi/books/philosophy/powerincommunication/03.%20Nadine%20Roman%20et%20al..pdf>

National and international conferences

1. Angela Repanovici, Andra Manuela Botez, Marius Stoianovici, **Nadinne Roman**. Measuring the Quality and Impact of Scientific Information. Scientometry Research Using the Web of Science in the Field of Ethics in Medical Recovery. Communication Today: An Overview from Online Journalism to Applied Philosophy. Trivent Publishing. 2016. <https://trivent-publishing.eu/books/philosophy/communicationtoday/6.%20Angela%20Repanovici%20et%20al.pdf>

2. **Nadinne ROMAN**, Liliana ROGOZEA. Informed consent and physiotherapists concern in healthcare-a development perspective. Sciendo. (11th International Conference on Information Science and Information Literacy) 2021. <https://doi.org/10.2478/9788395815065-036>
3. **Roman, N.** Non-immersive virtual reality therapy in post-stroke patients a quick review. (11th International Conference on Information Science and Information Literacy) Sciendo. 2021. <https://doi.org/10.2478/9788395815065-035>

Abstracts in National/International Conferences Volumes

1. Nadinne **Roman**, Angela Repanovici, Liliana Rogozea-ETHICS IN MEDICAL RECOVERY-A NEW APPROACH IN THE SYSTEMATIC REVIEW OF LITERATURE, National Bioethics Conference, November 6-8, 2014, Volume of abstracts-page 86
2. Roman **Nadinne** Alexandra, The Efficiency Of Strengthening The Pelvic Floor Muscles In Urinary Incontinence-A Literature Review, XVI National Conference and III International Conference of the Order of General Medical Assistants, Midwives and Medical Assistants from Romania, May 10-13 2016, Book of Abstracts, page 51
3. Miclăuș R., Rogozea L., Bufnariu L., **Roman N.**, Caloian S, Mateescu C. - Sovata - history and spa practice, XLV National Meeting of the History of Medicine, Brașov, 22-24.10.2016
4. Miclăuș R., Rogozea L., Nica A.S., **Roman N.**, Caloian S, Mateescu C. - Balneological medical press from the 19th century and the first half of the 20th century - history and continuity, A XLV- the National Meeting of the History of Medicine, Brașov, 22-24.10.2016
5. Miclăuș R., Rogozea L., Nica A.S., **Roman N.**, Caloian S, Mateescu C. - Legislative regulations of spa practice in the interwar period in Romania, XLV National Meeting of the History of Medicine, Brașov, 22-24.10 .2016
6. Roxana Steliana Miclăuș, Nadinne Alexandra **Roman**, Vlad Ionuț Tuchel, Silviu Tudorel Caloian, Diana Mînzîțanu. Advanced proprioceptive assessment technologies. Virtual Reality applied in neurological rehabilitation. Advanced Technologies for Medical Rehabilitation. 2nd National Symposium with International Participation. May 2022.
7. **Roman N**; Miclaus R. Mixed virtual reality in treating patients with post-stroke sequelae. The 45th Annual National Congress of Medical Rehabilitation - Anniversary Congress Bucharest, October 13-15, 2022
8. Basalic EB; Banabic IA; Miclaus RS; Roman NA; Al Manaila; Baseanu IC: Virtual Reality in pain therapy - Rehabilitation perspectives. National Conference Technology & IHealth in Medicine of the 21st century. 6-9.07.2023- Târgu Mureș
9. **Roman, N.** Miclaus, R. Eficiența Stimulării Electrice Functionale la Pacienții cu Sechele Post AVC- Studiu Pilot. Congresul Național Anual de Medicină Fizică și de Reabilitare din 11-14 octombrie 2023

I hereby confirm that the data mentioned above are accurate and refer to my professional and scientific activity regarding fulfilling the minimum and mandatory standards for granting the habilitation certificate.

Date: 18.04.2024

Assoc. Prof. Nadinne Alexandra Roman

