



Europass Curriculum Vitae

Personal information



First name(s) / Surname(s) **Laura Marinela AILIOAIE**
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Fax(es)
E-mail lauraailioaie@yahoo.com
Nationality Romanian
Date of birth
Gender Female

Desired employment / Occupational field

Physical Methods, Physical Therapy and Complementary and Alternative Methods Applied in Integrated Rehabilitation Care. Special Methods in Pediatric Rheumatology and in Physical & Sensory Disabilities. Latest Innovations in Regenerative Nanomedicine and Photobiomodulation Applied in Medical Recovery. Biological Agents Applied in Juvenile Idiopathic Arthritis. Chronic Pain Management. Nutrition. Integrated Care in Post-COVID-19 Era. eHealth.

Work experience

Dates
2024 – to present time: Associate Professor at “Al. I. Cuza” University, Iasi, Romania.
1993 – 2023: Lecturer at “Al. I. Cuza” University, Iasi, Romania.
1991 – 1993: Assistant professor, “Al. I. Cuza” University, Iasi, Romania.
1987 – 1990: Scientific Researcher at “Al. I. Cuza” University, Iasi, Romania.
1984 – 1987: Scientific Researcher at ICPCPAM, Bucharest, Romania.

Occupation or position held **Associate Professor**
Main activities and responsibilities **Education and Research / Physical Methods Applied in Medical Recovery for Master Students, Master's Thesis Supervision**
Name and address of employer **“Alexandru Ioan Cuza” University of Iasi, 11 Carol I Blvd., RO-700506, Iasi, Romania**
Type of business or sector **Higher Education**

Education and training

Dates
2008-2012: PhD Diploma in Medicine / Title: **Contributions to the Therapy of Chronic Pain in Juvenile Arthritis through Physical and Alternative Methods/ CUM LAUDE** at Faculty of Medicine, “Gr.T. Popa” University of Medicine and Pharmacy, Iasi, Romania.
2006-2008: **Bachelor of Science (B.Sc. degree) in Preventive Nutritional Education and Dietetics**, Faculty of Medicine, “Gr.T. Popa” University of Medicine and Pharmacy, Iasi, Romania.
2000-2004: **Physical Therapist Diploma (License)** at “Al. I. Cuza” University, Iasi, Romania
1993-1997: **PhD Diploma in Physics / Biophysics, CUM LAUDE** at “Al. I. Cuza” University, Iasi, Romania
Title of qualification awarded **1980-1984: Physics Diploma (License)** at “Al. I. Cuza” University, Iasi, Romania
Principal subjects/occupational skills covered **Physical Methods and Intravenous Laser Blood Irradiation in Medical Recovery and Pediatric Rheumatic Diseases. Photobiomodulation in Medical Recovery. Laser Innovations and Nanotechnologies in Physical & Sensory Disabilities. Regenerative Nanomedicine and Photobiomodulation Applied in Medical Recovery & in Chronic Pain Management. Vibroacoustic Therapy & Healing Music. Nutrition. Integrated Rehabilitation Care. eHealth.**

Name and type of organisation providing education and training	<p>2010-2019: Invited Speaker and Annual Participation in ISLA's (International Society for Laser Applications) International Courses for Laser Therapy and Laser Acupuncture, Göttingen & Lauenförde- Beverungen, Germany.</p> <p>2015: Bach Flower Remedies Courses - Licensed Trainer, Bach Center, Mount Vernon, Wallingford OX10 0PZ, United Kingdom.</p> <p>2011: Participation in the International Courses of TUI NA Massage, Beijing Massage Hospital, China.</p>
Level in national or international classification	<p>2008-2009: Participation in International Courses for Meta-Medicine and Nutri-Energetics Courses London, United Kingdom.</p> <p>2000: International Laser-Therapy Courses organized by WALT (World Association for Laser Therapy) in Athens, Greece, May, 2000.</p> <p>1998: Participation at International Courses: "Lasers Computers in Human Science", Florence, Italy.</p> <p>1999: Participation at International Laser-therapy Courses in Phlebology, Cosmetology, Surface Restoration and Medical Rehabilitation, Florence, Italy.</p> <p>1990 - 1991: DAAD 1-Year Scholarship, Specialization in "Instabilities and Self-Organizing Phenomena in Complex Systems", Germany.</p>
Personal skills and competences	<p>Published Books (in order of the publishing year):</p> <ol style="list-style-type: none"> 1. Ailioaie L.M., Ailioaie C. Biofizica moleculară și supramoleculară. Aspecte din patologia metabolismul apei și mineralelor la copii. Iași, Vasiliana '98, 1999. 2. Ailioaie L.M., Ailioaie C. Biofizică sistemică. Analizorul auditiv. Analizorul vizual. Sistemul nervos central. Investigații și particularități în patologia acestora la copil. ISBN 973-98696-2-9, Iași, Vasiliana '98, 1999, 312 pagini. 3. Ailioaie L.M. Studiul unor fenomene de autoorganizare și rolul lor în lumea vie. ISBN 9739327109, Iași, BIT, 1999, 320 pagini. 4. Ailioaie L.M. Introducere în biofizica sistemică: sistemul cardiovascular; sistemul respirator. ISBN 973-72231-3-4, Iași, Vasiliana '98, 1999, 166 pagini. 5. Ailioaie L.M., Ailioaie C. Sângele ca țesut viu. Elemente de hematologie pediatrică. Iași, Axis, 2000. 6. Ailioaie L.M., Ailioaie C. Biofizica locomoției umane. Aparatul locomotor la copii: aspecte clinice și metode de investigație. ISBN 973-99587-6-3. Iași, Vasiliana '98, 2000, 230 pagini. 7. Melnig V, Ailioaie L.M. Lucrări de laborator de biofizică generală. Vol. 1. Iași, Editura Universității Al. I. Cuza, 2002, 212 pagini. 8. Goția S, Ailioaie C, Ailioaie L.M. Boli reumatismale și kinetoterapia la copil. ISBN 973-702-022-7, Iași, Tehnopress, 2004, 364 pagini. 9. Bălțeanu V, Ailioaie L.M. Compendiu de Kinetoterapie. Tehnici și Metode. ISBN 973-667-110-0, Iași, Cermi, 2005, 150 pagini. 10. Ailioaie C, Ailioaie L.M. Managementul durerii cronice reumatice la copil. ISBN 978-606-520-179-8, Iași, Ed. PIM, 2008, 320 pagini. 11. Ailioaie C, Ailioaie L.M. Managementul non-farmacologic al durerii musculo-scheletale cronice la copii și adolescenți. În: Goția S (ed.). Durerea acută și cronică la copii. ISBN 978-973-116-174-7, Iași, Ed. Vasiliana'98, 2009, pp.286-347. 12. Ailioaie C, Ailioaie L.M. Laser photobiostimulation and safety in pediatric diseases [Fotobiomodulare cu laser și siguranța în bolile pediatrice]. Chapter 32, pp. 467-504. In: Lasers in Medicine - Science and Praxis in Medicine, Surgery, Dentistry and Veterinary. Trilogy Updates. Zlatko Simunovic (Ed.), Printed in Croatia by Zrinski d.d., Cakovec, Croatia, 2009. ISBN 9789539934413. CIP catalog is available in the computer catalog of Rijeka University Library under the number 120215073. https://axon.es/ficha/libros/9789539934413/lasers-in-medicine-science-and-praxis-in-medicine-surgery-dentistry-and-veterinary 13. Ailioaie L.M., Ailioaie C, Chiran DA, Ailioaie R, Moraru E. Capitolul 11. Terapia durerii cronice din artrita juvenilă prin mijloace complementare și alternative. În: Moraru E (ed). Actualități în patologia pediatrică: alergologie-imunologie clinică, hepatologie și nutriție, vaccinologie. ISBN 978-606-544-025-8, Editura Gr. T. Popa, Iași, 2010, p. 123-138. 14. Ailioaie C, Ailioaie L.M., Chiran DA, Moraru E. Capitolul 12. Actualități în tratamentul artritei juvenile. În: Moraru E (ed). Actualități în patologia pediatrică: alergologie-imunologie clinică, hepatologie și nutriție, vaccinologie. ISBN 978-606-544-025-8, Editura Gr. T. Popa, Iași, 2010, p. 139-153. 15. Ailioaie L.M. Special Methods of Photobiomodulation in Chronic Rheumatic Pathology in Children. [Metode speciale de fotobiomodulare în patologia reumatică cronică la copii]. Chapter 5.8.1. pp. 359-385. In: Medical Low-Level Laser Therapy - Foundations and Clinical Applications - Research Book, ISLA - International Society for Medical Laser Applications, 2-nd Ed, ISBN 978-3-00-050017- 6. Germany, 2015. https://weberlaser.com/product/book/ 16. Ailioaie L.M. Electroterapie aplicată în durerea musculo-scheletică cronică. În: Goția S (ed). Durerea acută și cronică la copil. Ediția a 2-a, Iași, ISBN: 978-973-116-532-5, Ed. Vasiliana'98, 2016, pp. 351-383.

Internationally and nationally published articles (in extenso): > 100

Internationally and nationally presented articles (published in proceedings): > 150

Over 40 years of research in laser and light applications in medicine, physical methods in medical recovery, innovative photobiomodulation applied in immune-mediated diseases, pain research, nutrition and dietetics.

Mother tongue(s)

Romanian

Other language(s)

Self-assessment

European level (*)

English

French

German

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	professional level	C2	professional level	C2	professional level	C2	professional level	C2	professional level
B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user
B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user

(*) [Common European Framework of Reference for Languages](#)

International and national research grants:

As grant member:

1. Title: Multidisciplinary Educational Course for Romanian Pediatric Residents and Family Physicians on Chronic Pain Management in Children and Adolescents with Juvenile Idiopathic Arthritis. Institution: International Association for the Study of Pain, Seattle, USA. Duration: 2007 - 2008.

2. Title: [Program for complementary preparation for the physical therapist for medical recovery to be integrated in the actual national health insurance system]. Institution: Romanian Ministry of Education and Research, National Council for University Scientific Research. Duration: 2006 - 2008.

3. Title: EPOCA (EPidemiology, treatment and Outcome of Childhood Arthritis), Paediatric Rheumatology International Trials Organisation (PRINTO certified ISO 9001-2008, www.printo.it), aimed to devise a new tool that enables the multidimensional assessment of the disease status in children with JIA. This new instrument, named Juvenile Arthritis Multidimensional Assessment Report (JAMAR), is simple easy to apply and multidimensional in nature. Globally, for EPOCA, PRINTO has collected by now more than 9000 JIA patients and almost 5000 healthy controls from 125 centers in 51 countries.

4. Title: [Pharmacovigilance in juvenile idiopathic arthritis patients (PharmaChild) treated with biologic agents and/or Methotrexate. A Pediatric Rheumatology International Trials Organization (PRINTO)/Pediatric Rheumatology European Society (PRES) Registry]. Project number 260353. EU grant, **ongoing project**.

As grant manager:

1. Title: Multidisciplinary Educational Course for Physical Therapists to Help Patients and Families in Chronic Pain Management at Home - Educational course, Granting Agency: IASP - International Association for the Study of Pain, Washington, USA, July 1, 2017 - July 1, 2018.

Affiliation (in order of adhesion year)

1. Member of The Romanian Society of Pure and Applied Biophysics, Bucharest, Romania: 1994 - 2019.
2. Member of The European Society of Magnetic Resonance in Medicine and Biology, Vienna, Austria: 1998 - 1999.
3. Member of The European Medical Laser Association, Prague, Czech Republic: 2000 - 2008.
4. Member of The Board for Clinical Studies and Applications Guidelines, Section: Pediatrics - Vienna, Austria - of The European Medical Laser Association: 2000 - 2004.
5. Member of The International Advisory Board, at the 8th International Congress of The European Medical Laser Association, Moscow, Russian Federation, 2001.
6. Member of The International Advisory Board, at the 4th International Congress of The World Association for Laser Therapy, Tokyo, Japan, 2002.
7. Member of The Society for Sound Healing, Tokyo, Japan: 2002 - 2024.
8. Member of The Romanian Federation of Physical Therapy, Bucharest, Romania: 2002 - 2024.
9. Member of The Romanian Medical Association for the Study of Pain, Bucharest, Romania: 2004 - 2024.
10. Member of The Romanian Society for Rheumatology, Romania: 2004 - 2024.
11. Member of The Romanian Society for Pediatric Rheumatology, Romania: 2009 - 2024.
12. Member of the International Association for the Study of Pain, IASP, Washington, DC 20005-1020: USA, 2011 - 2024.

Social skills and competences	<ul style="list-style-type: none"> • team-work capacity • flexibility • ability to act • a high degree of quality and experiment or patient orientation • empathy • independent work • sense of responsibility • psychological resistance
Organisational skills and competences	<p>Skills and competencies through more than 40 years of research experience, working with and teaching students and master students, treating children and adult patients, and undergoing training abroad.</p> <p>Experience has taught me how to build strong relationships with all departments at an organization. I can work within a team as well as cross-team.</p> <p>Strong scientific curiosity, particularly for biophysical methods applied at cellular level, prevention, functional medicine, early detection, and rejuvenation therapies.</p> <p>A passion for evidence-based medicine.</p> <p>Excellent analytical skills.</p> <p>Solid understanding of research methodology.</p> <p>Ability to turn knowledge from multiple sources into well structured, actionable information.</p>
Technical skills and competences	<p>I have successfully designed, developed, and supported clinical innovations for Regeneration, Replacement and Repair in the Immune-Mediated Disorders, and in Musculo-Skeletal Pathologies, using photobiomodulation and other novel methods or physical therapeutic strategies in musculoskeletal diseases and sports, including diet, exercise and lifestyle, in a holistic attempt.</p> <p>I also have experience in learning and excelling at new technologies as needed.</p> <p>Capable of initiating, supervising, and acquiring the necessary funding for academic research.</p> <p>Didactically skilled to teach university students to develop academic competences.</p> <p>Knowledge and research experience in the broad field of rehabilitation and healthcare.</p> <p>Experience with the inspiring shaping of education.</p> <p>International mobility, among other things by research related stays at external institutions.</p> <p>Positively evaluated experience in provided or organized academic lecturing.</p> <p>Professionalization of higher education.</p>
Computer skills and competences	Office, Paint 3D, Corel.
Artistic skills and competences	Writing novels, playing violin, singing & dancing in free time.
Other skills and competences	Tai Chi - Qigong & Medical Qigong practice; Tui Na massage.
Driving licence	B
Additional information	Include here any other information that may be relevant, for example contact persons, references, etc. (Remove heading if not relevant, see instructions)
Annexes	List any items attached. (Remove heading if not relevant, see instructions)

November 11, 2024

Laura Marinela ALIOAIE

