



Europass Curriculum Vitae

Personal information



First name(s) / Surname(s) **Laura Marinela AILIOAIE**
Address(es) 9, Vasile Alecsandri St., 700054, Iasi, Romania
Telephone(s) Mobile: -
Fax(es)
E-mail ailioaie@uaic.ro
Nationality Romanian
Date of birth -
Gender Female

Desired employment / Occupational field **Regenerative Nanomedicine / Complementary & Alternative Methods Applied in Medical Rehabilitation / Physiotherapy / Chronic Pain Management / Laser Biomodulation / Photodynamic Therapy / Integrative Cancer Care / Biophysics / Nutrition**

Work experience

Dates **1993 – to present time: Lecturer** at “Al. I. Cuza” University, Iasi, Romania.
1991 – 1993: Assistant professor at “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**
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 Medical Sciences / 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 **Regenerative Nanomedicine, Chronic Pain Management, Intravenous Laser Blood Irradiation in Immune Mediated Disorders, Photodynamic Therapy, Nutrition, Integrative Cancer Care**
Name and type of organisation providing education and training **2010-2019: Annual Participation in ISLA’s (International Society for Laser Applications) International Courses for Laser Therapy and Laser Acupuncture, Göttingen & Lauenförde-Beverungen, Germany.**
2015: Bach Flower Remedies Courses – Licensed Trainer, Bach Center, Mount Vernon, Wallingford OX10 0PZ, United Kingdom.
2011: Participation in the International Courses of TUI NA Massage, Beijing Massage Hospital, China.

Level in national or international classification

2008-2009: Participation in International Courses for Meta-Medicine and Nutri-Energetics Courses London, United Kingdom.
2000: International Laser-Therapy Courses organized by WALT (World Association for Laser Therapy) in Athens, Greece, May, 2000.
1998: Participation at International Courses: "Lasers Computers in Human Science", Florence, Italy.
1999: Participation at International Laser-therapy Courses in Phlebology, Cosmetology, Surface Restoration and Medical Rehabilitation, Florence, Italy.
1990 - 1991: DAAD 1-Year Scholarship, Specialization in "Instabilities and Self-Organizing Phenomena in Complex Systems", Germany.

Personal skills and competences

Published Books (in order of the publishing year):

1. Ailioaie LM. [The study of self-organizing phenomena at membrane level and their role in the living world]. Iasi: BIT; 1999.
2. Ailioaie LM. [Introduction in systemic biophysics: cardiovascular and respiratory system]. Iasi: Vasiliana '98; 1999.
3. Ailioaie LM, Ailioaie C. [Systemic biophysics: auditive analyzer, visual analyzer, central nervous system. Medical investigations and particularities in the pathology of these systems in children]. Iasi: Vasiliana '98; 1999.
4. Ailioaie LM, Ailioaie C. [Molecular and supramolecular biophysics. Aspects from the pathology of water and minerals metabolism in children]. Iasi: Vasiliana '98; 1999.
5. Ailioaie LM, Ailioaie C. [Blood as living tissue. Elements of pediatric hematology]. Iasi: Axis; 2000.
6. Ailioaie LM, Ailioaie C. [The biophysics of human locomotion. Locomotor apparatus in children: clinical aspects and investigation methods]. Iasi: Vasiliana '98; 2000.
7. Melnig V, Ailioaie LM. [Laboratory book of general biophysics]. 1st part. Iasi: "Al. I. Cuza" University Publishing House; 2002.
8. Gotea S, Ailioaie C, Ailioaie LM. [Rheumatic diseases and physical therapy in children]. Iasi: Tehnopress; 2004.
9. Balteanu V, Ailioaie LM. [Compendium of physical therapy. Technical and methodical approach]. Iasi: Cermi; 2005.
10. Ailioaie C, Ailioaie LM. [Management of Chronic Rheumatic Pain in Children], Ed. PIM, Iași, ISBN 978-606-520-179-8, 320 pg. 2008.
11. Ailioaie C, Ailioaie LM. [Non-Pharmacological Management of Chronic Musculoskeletal Pain in Children and Adolescents]. In: "Acute and Chronic Pain in Children" S. Gotia Editor, Ed. Vasiliana'98, Iași, ISBN 978-973-116-174-7, pp.286 – 347, 2009.
12. C. Ailioaie, L. M. Ailioaie, "Laser photobiostimulation and safety in pediatric diseases" in Lasers in Medicine, Science and Praxis, Z. Simunovic, Ed., Chapter 32, pp. 467–504, Printery Publishing House, Cakovec, Croatia, 2009.
13. Ailioaie L.M., Ailioaie C., Chiran D.A., Ailioaie R., Moraru Ev. [Therapy of Chronic Pain in Juvenile Arthritis by Complementary and Alternative Methods] In: "News in Pediatric Pathology: Allergology-Immunology, Hepatology and Nutrition, Vaccinology", Ev. Moraru Editor, Ed. "Gr. T. Popa", ISBN: 978-606-544-025-8, Iași, 137–149, 2010.
14. Ailioaie LM. "Special Methods of Photobiomodulation in Chronic Rheumatic Pathology in Children". Ch. 5.8.1. 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, pp. 359-385, Germany, 2015.
15. Ailioaie LM. & Ailioaie C. [Laser Contraindications] – Chapter in "Pediatric Intensive Care Treaty" Editors: Constantin N. Iordache, Alina - Costina Luca, Romanian Medical Publishing House, Bucharest, 2016.
16. Ailioaie LM. [Applied Electrotherapy in Chronic Musculoskeletal Pain] - Chapter in "Acute and Chronic Pain in Child", Editor: S. Gotia, Second Ed. revised and added. Ed. Vasiliana'98, Iași, ISBN:978-973-116-532-5, pp.351 – 383, 2017.

Internationally and nationally published articles (in extenso): > 50

Internationally and nationally presented articles (published in proceedings): > 45

More than 30 years of research in immune mediated diseases & laser applications in medical recovery, 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			
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
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 Paediatric 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: [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 (2011 – 2016).

4. 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 centres in 51 countries (ongoing)

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)

- Member of The Romanian Society of Pure and Applied Biophysics, Bucharest, Romania: 1994 – 2019.
- Member of The European Society of Magnetic Resonance in Medicine and Biology, Vienna, Austria: 1998 – 1999.
- Member of The European Medical Laser Association, Prague, Czech Republic: 2000 – 2008.
- Member of The Board for Clinical Studies and Applications Guidelines, Section: Paediatrics - Vienna, Austria - of The European Medical Laser Association: 2000 – 2004.
- Member of The International Advisory Board, at the 8th International Congress of The European Medical Laser Association, Moscow, Russian Federation, 2001.
- Member of The International Advisory Board, at the 4th International Congress of The World Association for Laser Therapy, Tokyo, Japan, 2002.
- Member of The Society for Sound Healing, Tokyo, Japan: 2002 – 2021.
- Member of The Romanian Federation of Physical Therapy, Bucharest, Romania: 2002 – 2021.
- Member of The Romanian Medical Association for the Study of Pain, Bucharest, Romania: 2004 – 2022.
- Member of The Romanian Society for Rheumatology, Romania: 2004 – 2022.
- Member of the International Association for the Study of Pain, IASP, Washington, DC 20005-1020: USA, 2011 – 2022.

Social skills and competences

- 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 25 years of research experience, working with and teaching 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 or musculo-skeletal pathologies, using bio-photonics to restore ROS balance, and other new methods and therapeutic strategies in musculoskeletal diseases, 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 substantive 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>Professionalisation 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.
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)

March 11, 2022

Laura Marinela AILIOAIE