

CURRICULUM VITAE

Education:

- 1975-1979** Secondary School, Czechowice-Dziedzice; Maturity Certificate: mathematically and physically-profiled class.
- 1979-1985** M.D.: Medical Faculty in Zabrze, Medical University of Silesia in Katowice
- 1987-1989** 1st degree specialization in internal diseases
- 1988-1989** Ph.D.; thesis: "Influence of extremely low-frequency magnetic fields on parameters of blood and morphology of some internal organs in experimental animals"
- 1989-1992** 2nd degree specialization in internal diseases.
- 2008- 2010** 2nd degree specialization in balneology and physical medicine.
- 2006** Ass. Professor, thesis: "Metabolic effect related to carbohydrate metabolism in rats exposed to long-term action of static electric field with intensities generated nearby High Voltage Direct Current transmission lines"
- 2013** Full professor

Positions held:

- 1984 (4 weeks)** Visiting Fellow. Department of Cardiology. Medical Faculty. University of Trieste. Italy
- 1985-1986** Junior Assistant: Ist Chair and Clinic of Gynaecology and Obstetrics in Bytom, Medical University of Silesia in Katowice.
- 1986-1987** Assistant: Ist Chair and Clinic of Gynaecology and Obstetrics in Bytom, Medical University of Silesia in Katowice.
- 1987-1989** Assistant: IIIrd Chair and Clinic of Internal Diseases in Bytom, Medical University of Silesia in Katowice.
- 1989-1999** Lecturer. Group of Medical Schools in Bytom
- 1989-1992** Senior Assistant. IIIrd Chair and Clinic of Internal Diseases in Bytom, Medical University of Silesia in Katowice.
- 1990-1991** Fellow. Commission of Applications of Mathematical Sciences in Basic and Clinical Research. Committee of Basic Medical Sciences. Faculty VI - Medical Sciences. Polish Academy of Sciences.
- 1990-1994** Consultant. District Cardiological Consulting Unit in Bytom
- 1992-1999** Tutor. IIIrd Chair and Clinic of Internal Diseases in Bytom, Medical University of Silesia in Katowice.
- 1992-** Vice-Head of Magnetotherapy and Lasertherapy Unit. IIIrd Chair and Clinic of Internal Diseases in Bytom, Medical University of Silesia in Katowice.
- 1996-** Fellow. Program Council of Medical Physics. University of Silesia in Katowice.
- 1998-** Member. Editorial Board of "Acta Biooptica and Informatica Medica".
- 1999-** Tutor and Vice-Head of Department and Clinic of Internal Diseases, Angiology and Physical Medicine in Bytom, Medical University of Silesia in Katowice.
- 2002- 2007** Consultant. District Rheumatological Consulting Unit in Piekary Śląskie

2005- Fellow. Commission of Non-ionizing Electromagnetic Radiation. Committee of Medical Physics, Radiobiology and Imaging Diagnostics. Faculty VI - Medical Sciences. Polish Academy of Sciences.

2006- Member. Editorial Board of "Rehabilitacja w Praktyce" ("Rehabilitation in Practice").

2006- Member. Scientific Council of Association for Social Development TREE

2006- Member. Scientific Council of Silesian Foundation for Rheumatology

2007- Ass. Professor and Vice-Head of Department and Clinic of Internal Diseases, Angiology and Physical Medicine in Bytom, Medical University of Silesia in Katowice.

2007- Professor. Department of Physiotherapy. Institute of Health Protection. Stanisław Staszic University of Applied Science in Piła

2008- Member. Editorial Board of "Polish Hyperbaric Research"

2008- Fellow. Commission of Biological Effects of Non-ionizing Radiation. Committee of Medical Physics, Radiobiology and Imaging Diagnostics. Faculty VI - Medical Sciences. Polish Academy of Sciences.

2009- Member. Scientific Council of "Medicolux"

2010- Member. Editorial Board of "Świat Lekarza" ("World of Doctor")

2011-2012- Member. Editorial Board of "Journal of Ecology and Health"

2014- Professor and Vice-Head of Department and Clinic of Internal Diseases, Angiology and Physical Medicine in Bytom, Medical University of Silesia in Katowice.

2014- Member. Editorial Board of "Complementary and Alternative Medicine in Science"

2015- Member. Editorial Board of „International Journal of Clinical Medicine Research”

2015- Member. Editorial Board of „Health Sciences Research”

2015- Member. Editorial Board of „AASCIT Journal of Medicine”

2015- Member. Editorial Board of „Acta Balneologica”

2015- Member. Editorial Board Academic Editor of „British Microbiology Research Journal”

2016- Member. Advisory/Editorial Board of „International Journal of Emerging Technology and Advanced Engineering”

2016- Member. Editorial Board of „International Journal of Clinical and Experimental Medical Sciences”

Major achievements:

a) Co-founder of the Laboratory and Unit of Magnetotherapy and Lasertherapy at the III Chair and Clinic of Internal Diseases in Bytom, Medical University of Silesia in Katowice.

b) Co-worker of several research grants from the Polish National Science Committee, and Ministry of Science and Education, i.e. dealing with the evaluation of clinical efficacy of new devices using ELF or μ T variable magnetic fields and laser or light radiation as well as biological effects of static electric field and electromagnetic fields with different frequency value.

Administrative functions:

1990-1994 Chairman. Local Branch in Bytom of Polish Medical Society.

1991- Secretary of County Board in Katowice of Polish Medical Society.

1995-1999 Member of National Board in Warszawa of Polish Medical Society.

1993- Vice-Chairman of National Section of Laser and Magnetic Fields Application in Medicine of Polish Medical Society

1996-1999 and 2002- Member. Faculty Council. Medical Faculty in Zabrze. Medical University of Silesia in Katowice.

2007- Member. Institute Council. Institute of Health Protection. Stanisław Staszic University of Applied Science in Piła

2009- Member of Silesian County Board of Polish Association of Balneology and Physical Medicine.

2012- President of County Board in Katowice of Polish Society of Internal Medicine

2012- Vice-president of National Board of Polish Scientific-Technical Committee of Society of Polish Electricians for Application of Electromagnetic Field in Medicine

2012- Treasurer of national Board of Polish Society of Medicine Wellness, Spa and Anti-aging

2013- Member of National Board of Polish Association of Balneology and Physical Medicine

Membership in scientific societies:

Athens Institute for Education and Research

Polish Society of Medical Physics,

New York Academy of Sciences,

International Union of Radiosciences URSI

European Bioelectromagnetics Association

European Optics Society

The International Society for Optical Engineering (SPIE).

Polish Medical Society,

Polish Society of Internal Medicine

Polish Society of Radiation Research

Polish Society of Hyperbaric Research

Polish Association of Balneology and Physical Medicine

Polish Society of Applied Electromagnetics

Polish Society of Angiology

Polish Scientific-Technical Committee of Society of Polish Electricians for Application of Electromagnetic Field in Medicine

Polish Society of Medicine Wellness, Spa and Anti-aging

Polish Society of Cryotherapy

Academy of Engineers in Poland

Languages:

English - fluent knowledge, including scientific language;

Russian - fluent knowledge, including scientific language

Publications:

Co-author of: 11 monograph books, 30 chapters in book, 173 articles in journals, 226 congress papers (abstracts). Scientific editor of 7 monograph books.

Fields of interest:

a) basic mechanisms of biological action of extremely-low-frequency magnetic fields and low-energy lasers

b) clinical application of extremely-low-frequency and weak variable magnetic fields – magnetotherapy and magnetostimulation and low-energy lasers, including the treatment of chronic infected wounds (crural ulcers and diabetic foot syndrome)

c) clinical application of photodynamic diagnosis and therapy of neoplasms.

- d) basic mechanisms of biological action of cryogenic temperatures
- e) clinical application of whole-body cryotherapy.
- f) clinical application of hyperbaric oxygen therapy, including the treatment of chronic infected wounds (crural ulcers and diabetic foot syndrome)
- c) biological effects and health risk of high-voltage static electric and magnetic fields