

**HALINA PODBIELSKA,  
PROF. DR. D.SC. ENG. M.D.**



Prof. Halina Podbielska received her M.Sc. and Engineering Degree in Applied Physics/Optics in 1978 from the Faculty of Fundamental Problems of Technology of Wrocław University of Technology (WrUT), and her Ph.D. degree in Physics from Institute of Physics in 1982, both awarded by special Award for Excellence. She also received her M.D. degree from Faculty of Medicine of Medical University of Wrocław in 1987. In 1992 she received her Habilitation degree in Physics and became the Professor of Bio-Optics and Head of the Bio-Optics Group at the Institute of Physics. In 1994 she completed a post-graduate study in business and managing at the Faculty of Informatics and Managing WrUT conducted by Central State University of Connecticut. For several years she was engaged in teaching of marketing strategies at the Center for Continuous Education of WrUT. In 2002 she received from the President of Poland the scientific title of Professor of Technical Science and since then she is a full Professor.

In 2007 Prof. Podbielska with her Group joined the Department of Biomedical Engineering and Instrumentation of Faculty of Fundamental Problems of Technology and her activity led in the same year to the creation of the new University unit, namely the Institute of Biomedical Engineering and Instrumentation. In September 2008 she took upon herself the duty of the Director of this Institute. In 2007 she became also the Head of the Dept. of Physical Therapy of Wrocław University School of Physical Education.

Her professional experiences include optics, biomedical optics and optoelectronics, biomedical engineering and physical medicine, covering such areas as: medical application of optics and medical lasers, sol-gel biomaterials, nanomaterials and their applications, photodynamic and laser medicine and biometrics. She is an author or co-author of over 230 publications, including papers in peer reviewed journals, conference proceedings, books chapters and editing books. She holds 7 registered patents related to the optoelectronic technologies for medicine.

Prof. Podbielska was visiting scientist at several scientific institutions worldwide: as an A.v.Humboldt fellow at the University of Frankfurt/Main (1984-85), University of Münster (1985, 1986), Charité Medizin University of Berlin (2005), Germany, and at the Weizmann Institute of Science (1989-1990), Israel. In years 2002-2005 she was a visiting professor at the Institute of Optics of Technical University in Berlin. She was also visiting scientists at Charité Medicine University in Berlin.

She was giving seminars or short courses at several Universities and scientific Institutions in Poland, Russia, Israel, Germany, Italy, Mexico, Brasilia and in the USA. She was an organizer and chair of the series of international Conferences on Biomedical Optics and an editor of number of Proceedings books.

In 1995, she launched a new Polish Journal *Acta Bio-Optica et Informatica Medica* and she is there the Editor-in Chief. She is also co-editor of special books series *Biomedical Engineering Acta*. From 1994 for several years she was organizing courses on medical informatics and medical optics for medical staff in Poland. She is a Board Member of Polish Society of Biomedical Engineering and Polish Society of Laser and Photodynamic Medicine and member of many internationally recognized bodies (SPIE, OWLS).

H. Podbielska is also a supervisor of many Ph.D. and M.Sc., many of them awarded for excellence. Prof. Podbielska is also the court expert for laser technologies and laser medicine.

In 2007 she was appointed a member of Scientific Council of Institute of Biomedical Engineering and Biocybernetics of Polish Academy of Science in Warsaw and member of The Committee on Medical Physics, Radiobiology and Diagnostic Imaging of Polish Academy of Science (Div. 6 – Medical Sciences). She is there a Chair of the Commission of Biomedical Impact of Non-ionizing Radiation.

She is an expert for grant evaluation in 6. and 7. Framework Program of EC and grants reviewer of National Institutes of Health, USA.