

Curriculum

Maria Lepore is currently working as Associate Professor (SSD FIS07) in service at the Department of Experimental Medicine of the University of Campania "Luigi Vanvitelli".

The teaching activity mainly concerns the courses of Medical Physics for the degree courses in Medicine and Surgery, numerous three-year courses in the health area, Physics Applied courses for several medical specialization schools, Biophotonics course for PhD course in Mathematics, Physics and Applications for Engineering. Her research activity, mainly of an experimental nature, concerned the following fields: multiphoton interaction processes in crystalline and semiconductor solids; laser interaction processes; integrated optics; optical properties of biological and biomaterial tissues; biomedical optics; design and development of optical sensors; laser safety in research laboratories and in clinical settings; disclosure of physics and its applications in the medical, environmental, and agri-food sectors.

She is the author of more than 120 papers in journals with an international editorial board. She has participated in numerous national and international congresses (with 60 publications in full of acts). In the course of his activity se has collaborated with several national and international research groups. Currently Prof. Lepore is part of the Editorial Board of some journals (Sensors and Radiation) and collaborates as referee with numerous scientific journals with an international editorial board (Analytica Chimica Acta, Journal of Molecular Structures, Radiation Physics&Chemistry, Sensors, Chemosensors, Materials, Biomedicines, Recent Papers in Biotechnology).