

Curriculum vitae of Marianna Bianca Emanuela PORTACCIO

Personal data	<p>Name: Marianna Bianca Emanuela PORTACCIO Date and place of birth: December 5th 1966, Sava (TA) –ITALY Citizenship : Italian Work Address: Università della Campania “L. Vanvitelli”- Dipartimento di Medicina Sperimentale- Via S. Maria di Costantinopoli,16 – 80138- Napoli Actual work position: Associate Professor of Applied Physics (S.S.D. FIS 07) Phone number: (+39) 081 5667525 e-mail: marianna.portaccio@unicampania.it</p>
Education	<p>1999 – PhD in Biochemistry and Biophysics – University of Padova 1998- Enrollment in the list of Qualified Radiation Protection Experts (Legislative Decree 230/95) at n. 21854 1992– Master Degree in Physics – University of Bari Grade: 110/110 cum laude</p>
Research Experience	<p>2014-until now Position : Associate Professor of Applied Physics (S.S.D. FIS 07) at Università della Campania “L.Vanvitelli”. Research addressed:</p> <ul style="list-style-type: none"> • to design amperometric and optical biosensors. • to characterize secondary structure of proteins, of polymeric membranes biological tissues and cells by means of Fourier transform infrared (FT-IR) spectroscopy. <p>2000-2014 Position : University Researcher of Applied Physics (S.S.D. FIS 07) at Second University of Napoli. Research addressed:</p> <ul style="list-style-type: none"> • to evaluate the effects of magnetic fields at low frequencies on the catalytic activity of enzymes; • to develop innovative biophysical technologies to reduce damage induced by proteases excess in patient during extracorporeal circulation • to characterize systems of biological interest by means of Fourier transform infrared (FT-IR) spectroscopy. <p>1996-1999 Position : PhD student at Institute of Genetics and Biophysics, CNR Napoli and University of Padova Research addressed:</p> <ul style="list-style-type: none"> • to design isothermal and non-isothermal bioreactors and amperometric biosensors to be employed in the determination of analytes of clinical interest or of chemical compounds polluting waste waters. - Patent relative to a biosensor operating under isothermal and non-isothermal condition. <p>1993-1996 Position: Scholarship at Institute of Genetics and Biophysics, CNR Napoli Research addressed:</p> <ul style="list-style-type: none"> • to biophysical characterization of immobilized enzymes utilized in different fields such as the agro-food industry, for the bioremediation of polluted waters or the production of penicillin. • to design isothermal and non-isothermal bioreactors and biosensors. <p>1990-1992 Position : Master thesis at ENEA Frascati (Roma)- Laboratory of Eximer laser.</p>
Technical skills and competences	<ul style="list-style-type: none"> • design and construction of amperometric and optical biosensors of clinical and environmental interest • immobilization techniques of proteins and enzymes on different supports • characterization of systems of biological interest by means of Infrared Spectroscopy
Publication	<p>about 75 publications listed on the Science Citation Index with about 1600 citations and H index (ISI, Web of Knowledge) = 25.</p>