

## **Christian DEMITRI – CV**

Christian Demitri is Associate Professor of Industrial Bioengineering at the Department of Experimental Medicine, University of Salento. His research focuses on the synthesis and characterization of hydrogel polymers derived from natural and synthetic sources for biomedical applications. Specifically, these materials have been applied in the field of regenerative medicine and as devices for the treatment of metabolic diseases such as obesity. Additionally, they have been used in agriculture as vehicles for the controlled release of moisture in arid soils. His research activities emphasize the property-structure relationships of biomaterials, with a particular focus on cell recognition processes in natural polymer-based scaffolds. He continues to work on the development and industrialization of research outcomes related to hydrogels and biodegradable polymers in the fields of metabolic disease treatment, regenerative medicine, and biotechnology, through collaboration with several companies in the industry.