

	Professor Doutor Hernane da Silva Barud Faculty member and researcher University of Araraquara (UNIARA) Email: hsbarud@uniara.edu.br
Prof. Dr. Hernane da Silva Barud is a faculty member and researcher at the University of Araraquara (UNIARA), where he develops research activities in the fields of biomaterials, biopolymers, and applied biotechnology. His academic trajectory is characterized by the integration of fundamental science, applied research, and technological innovation, with a focus on the development of sustainable, high-value materials for biomedical, pharmaceutical, environmental, and agroindustrial applications. Throughout his career, he has stood out for his work on natural and modified polysaccharides, particularly bacterial cellulose and its derivatives, investigating their physicochemical, structural, and functional properties for use in tissue engineering, controlled drug delivery systems, advanced wound dressings, biomedical devices, and biotechnological formulations. His research also includes the development of composites, hydrogels, and micro- and nanostructured systems aimed at improving material performance and functionality. He coordinates the BioPolMat research group, bringing together undergraduate and graduate students in projects focused on renewable-based materials and circular economy strategies. His activities include the training of qualified human resources, supervision of undergraduate research, master's, and doctoral students, and the promotion of an interdisciplinary environment that integrates knowledge from Chemistry, Engineering, Biotechnology, and Materials Science. In addition to publishing in national and international scientific journals, Prof. Barud	

is actively involved in innovation and technology transfer initiatives, maintaining collaborations with companies and research institutions. His professional trajectory also includes participation in national and international research networks, contributing to scientific and technological advances in the field of biomaterials and strengthening the interaction between academia, industry, and society.

His academic and scientific work is guided by a commitment to high-impact research, sustainability, the education of highly qualified professionals, and the transformation of scientific knowledge into technological solutions that address real challenges in health, agriculture, and environmental sectors.