

Professor Fariba Dehghani – Director of ARC Food Processing Training Centre, The University of Sydney

Professor Dehghani is a reputed researcher and the Director of the ARC Food Processing Training Centre for the 21st Century and Centre of Excellence for Advanced Food Enginomics in the School of Chemical and Biomolecular Engineering at the University of Sydney. She has been instrumental in building a multidisciplinary research environment that stimulates the interface and intersect of engineering, science, medicine, pharmacy, and agriculture.

Her research led to design of pragmatic, cost-effective and environmentally sustainable techniques for processing materials; the extraction of high value and active compounds from natural resources for the treatment and prevention of chronic diseases such as infection and cardiovascular disease; and the synthesis of materials for musculoskeletal tissue repairs. Her research is highly regarded, not only in academia but also by biotech industry.

In this regard, she has established long term collaborations with the food and biotech private sectors and acquired substantive funding from national and international funding agencies. She has more than 200 papers, and is an inventor on 13 patents including 9 with potential end users. She had a key role in developing a sterilisation process that have been approved by FDA and TGA for commercial application.

In addition, her research outcome resulted in establishing a start up company that has received approval from TGA to produce an injectable hydrogel for clinical applications. Professor Dehghani is a distinguished researcher and was selected by Engineers Australia as one of the 50 Engineers for innovation in research in 2016.

