

Statement of Research Interests for PhD in

Food Protein Chemistry

Jinan Alhariry

I am writing this application for pursuing my PhD in food protein chemistry in your prestigious institution. I have broadly become interested in the field of food science engineering with particular emphasis on protein chemistry and contributing to a deeper understanding of chemical changes in food proteins and their applicability in food processing sector.

The field of protein chemistry is of great interest not only because of the nutritional importance of food proteins and their functionality in foods, but also for their deleterious effects and chemical changes that may occur to them during food processing. The major function of protein in human diet to provide the building materials for synthesizing muscles and other tissues, and they play a critical part in many biological processes. They are also responsible for food texture, color, and flavor. Currently, food proteins are extracted, modified and integrated into processed foods to impart specific functional properties.

I am extremely looking forward pursuing this field under the PhD program because I have heard a lot of favorable impression about your facilities, as well as the spectacular research achievements in my area of interest. I hope to be competent to contribute in this community of research.

I strongly believe that my undergraduate at Aleppo University in Syria as well as at SRM Institution of science and technology in Chennai , India have reinforced me with a solid foundation in the fields of food science and nutritional biotechnology and food chemistry.

I am currently in the last semester of my Master's degree in food and nutritional biotechnology from SRM University, finishing my research project,

which is about the effects of heat treatment on soy protein isolate structure, digestibility and solubility during food processing and am expected to complete it in just upcoming May.

I would certainly feel the honor and gratitude to have been given the opportunity to conduct my future research, be able to study in such an adorable institution like IIT Kharagpur, and have this privilege. Thank you very much for considering my application and looking forward the convenient response.

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