

# Resume of Dan YUAN

## **Basic Information**



School:	School of Life and Health Sciences
Gender:	Male
Date of Birth:	199101
Title:	Doctor
Education:	Ph. D of Engineering
Tutor:	Master degree
Interest of research:	Food Structure and Nutritional Function

## **Academic Background**

From September 2018 to June 2022, South China University of Technology, Ph. D's degree in Energy Source and Environment Protection;

From September 2014 to June 2017, Wuhan Polytechnic University, Master's degree of Cereals, Oils and Vegetable Protein Engineering;

From September 2010 to June 2014, Hubei University of Arts and Science, Bachelor of Food Science and Engineering.

## **Oversea visiting**

## **Enrollment Information**

1. Enrollment Discipline: Master of Food Science, Master of Biology and Medicine
2. Research direction: Functional Carbohydrates
3. Enrollment Year: 2024-2025

## **Representative Projects**

The Ministry of "National Natural Science Foundation of China", Grant Number: 32302082, China, Project leader.

## **Representative Articles**

1. *In vitro* colon fermentation behaviors of Ca<sup>2+</sup> cross-linked guluronic acid block from sodium alginate[J], Food & Function, 2024, 15, 8128-8142.
2. Modulating *in vitro* fecal fermentation behavior of sodium alginate by Ca<sup>2+</sup> cross-linking[J], Food Research International, 2023,174, 113552.
3. Current advances in the anti-inflammatory effects and mechanisms of natural polysaccharides[J]. Critical Reviews in Food Science and Nutrition. 2022: 1-21.

4. Changes of digestive and fermentation properties of *Sargassum pallidum* polysaccharide after ultrasonic degradation and its impacts on gut microbiota [J]. International Journal of Biological Macromolecules, 164 (2020): 1443-1450.
5. Ultrasonic degradation effects on the physicochemical, rheological and antioxidant properties of polysaccharide from *Sargassum pallidum*[J]. Carbohydrate Polymers. 239 (2020): 116230.