

# Curriculum Vitae

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## Yin Shipeng

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### ❖ Research direction

- Microalgae biological resources, bioengineering, and functional food development (synthetic biology)
  - Comprehensive development and utilization of marine products and their by-products
  - Inspection and Quarantine of Food Hazards
  - Food and Flavor Chemistry
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### ❖ Work/research experience

- Jiangnan University 2020.05-2023.05  
Assistant Researcher/Postdoctoral | School of Food Science and Technology
  - Tokyo University of Marine Science and Technology (Japan) 2019.09-2020.04  
Assistant Researcher/Postdoctoral | Graduate School
  - Autobio Diagnostics Co., Ltd 2015.05-2016.07  
R&D Testing Engineer/R&D Department
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### ❖ Education

- Tokyo University of Marine Science and Technology (Japan) 2016.10-2019.09  
Ph.D. | Applied Life Sciences
  - Pukyong National University (Korea) 2013.03-2015.02  
M.S. | School of Food Science and Technology
  - Pukyong National University (Korea). 2009.03-2013.02  
B.S. | School of Food Science and Technology
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### ❖ Academic achievements

Academic papers:

- **Yin, S.**; Niu, L.; Yang, X; Liu, Y. Gardenia Yellow Pigment: Extraction Methods, Biological Activities, Current Trends, and Future Prospects. *Food Res. Int.*, Reference: *FRIN\_113981*. Accept
- **Yin, S.**; Siahhan, E. A.; Niu, L.; Shibata, M.; Liu, Y.; Hagiwara, T. Real time monitoring and evaluation of the inhibition effect of fucoxanthin against  $\alpha$ -amylase activity by using QCM-A. *Front. Nutr.* 2023, 9, 1110615.

- **Yin, S.**; Niu, L.; Shibata, M.; Liu, Y.; Tomoaki, H. Optimization of fucoxanthin extraction obtained from natural by-products from *Undaria pinnatifida* stem using supercritical CO<sub>2</sub> extraction method. *Front. Nutr.* 2022, 9, 981176.
- **Yin, S.**; Niu, L.; Liu, Y. Recent Progress on Techniques in the Detection of Aflatoxin B<sub>1</sub> in Edible Oil: A Mini Review. *Molecules* 2022, 27 (19).
- **Yin, S.**; Shibata, M.; Tomoaki, H. Extraction of Bioactive Compounds from Stems of *Undaria pinnatifida*. *Food Sci. Technol. Res.* 2019, 25 (6), 765-773.
- **Yin, S.**; Woo, H. C.; Choi, J. H.; Park, Y. B.; Chun, B. S. Measurement of antioxidant activities and phenolic and flavonoid contents of the brown seaweed *Sargassum horneri*: comparison of supercritical CO<sub>2</sub> and various solvent extractions. *Fisheries and aquatic sciences* 2015, 18 (2), 123-130.
- Sivagnanam, S. P.; **Yin, S.**; Choi, J. H.; Park, Y. B.; Woo, H. C.; Chun, B. S. Biological properties of fucoxanthin in oil recovered from two brown seaweeds using supercritical CO<sub>2</sub> extraction. *Mar. Drugs* 2015, 13 (6), 3422-3442.
- Liu, A.; Liao, B.; **Yin, S.**; Ye, Z.; He, M.; Li, X.; Liu, Y.; Xu, Y. Quantitative Proteomic Analysis Reveals the Mechanisms of Sinapine Alleviate Macrophage Foaming. *Molecules*, 2023, 28 (5).
- Shi, J.; Sun, X.; Wang, Y.; **Yin, S.**; Liu, Y.; Xu, Y. J. Foodomics reveals altered lipid and protein profiles of Antarctic krill (*Euphausia superba*) under different processing. *Food Biosci.* 2023, 53, 102565.
- Tian, T.; Zaaboul, F.; **Yin, S.**; Ye, Z.; Sun, Y.; Zhao, J.; Xu, Y.-J.; Liu, Y. Studies on the lipid oxidation and oleosomes behavior in raw pecan kernels during storage. *Food Chem.* 2023, 405, 134867.

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### Invited academic report

- Extraction of enzymatic inhibitors from unused parts of brown seaweed *Undaria pinnatifida*, 11th Joint International Symposium on Food Science and Technology, Tokyo University of Marine Science and Technology, Tokyo, Japan, 2018.12.17-2018.12.18.
- Extraction of enzymatic inhibitors from of brown seaweed *Undaria pinnatifida*, The 2018 Branch Conference of the Shimoto Branch of the Japanese Agricultural and Chemical Association, Tokyo University of Science Noda Campus, Tokyo, Japan, 2018.10.13.
- Biological Activities of Brown Seaweed (*Sargassum horneri*) Extracts by Supercritical Carbon Dioxide and Different Solvents, 2015 5th International Conference on Algal Biomass, Biofuels & Bioproducts, San Digo, USA, 2015.06.07-2015.06.10.
- Characterization of Bioactive Compounds in Brown Seaweed (*Sargassum horneri*) Hydrolyzate using Subcritical Water, 2014 International Conference of the Korean Federation of Fisheries Science and Technology Societies/2014 KOFFST, Busan, Republic of Korea, 2014.07.02.
- Antioxidant activity measurements of seaweed *Ecklonia cava* hydrolyzate produced by subcritical water, 2014 The Korean Society of Clean Technology Conferences, Lishui, Republic of Korea, 2014.03.27-2014.03.28.
- Characterization of Bio-prospecting Compounds of Brown Seaweed *Sargassum horneri* by Liquefied Pressurized System, 10th International Marine Biotechnology Conference 2013, Brisbane, Australia, 2013.11.11-2013.11.15.
- Antioxidant and antimicrobial activities measurement of brown seaweed (*Ecklonia cava*) hydrolyzate by subcritical water, 2013 International Conference of the Korean Federation of

Fisheries Science and Technology Societies/2014 KOFFST, Busan, Republic of Korea,  
2013.11.14-2013.11.17.