



# HUANG Qiuyuan, Ph.D.

Postdoctoral researcher  
The University of Tokyo

+81 07021777134  
huangqiuyuan123@gmail.com  
Homepage QR:



## ABOUT ME

I am passionate about the development of sustainable materials, eco-friendly polymers, eco-materials, biodegradable plastics, polymer structure and polymer synthesis.

Birth: 1993/08/07

## SKILLS & CERTIFICATIONS

- Types of equipment: NMR, GPC, GC, MS(MALDI, ESI, GC), SEM, LSM, DSC, TGA, FTIR, XRD, CD, BOD.etc.
- Software: Microsoft 365, Office, Origin, 3ds max, DaVinci, Image J, etc.
- JLPT Japanese-Language Proficiency Test N1 passed. Fluent speak Chinese, Japanese, English.

## WORK EXPERIENCES

Postdoctoral researcher  
University of Tokyo, Tokyo, Japan  
Department of Biomaterial Sciences.  
2022 to NOW

Guest Editor of Special Issue  
"Bioprocesses for Eco-Efficient Innovation"  
Sustainability journal of MDPI  
2023

## PERSONAL HONARS

1, Japan Student Services Organization (JASSO)  
2020 Special Scholarship  
2, Rotary Yoneyama Memorial Scholarship  
(Tokyo Rotary Club) 2021

## PUBLICATIONS

- 1, Q. Huang, M. Hiyama, T. Kabe, S. Kimura, T. Iwata, Enzymatic Self-Biodegradation of Poly( L-lactic acid) Films by Embedded Heat-Treated and Immobilized Proteinase K, *Biomacromolecules*. 21 (2020) 3301–3307.
- 2, Q. Huang, S. Kimura, T. Iwata, Development of self-degradable aliphatic polyesters by embedding lipases via melt extrusion, *Polym. Degrad. Stab.* 190 (2021) 109647.
- 3, K. Fujieda, Y. Enomoto, Q. Huang, T. Iwata, Synthesis and enzymatic biodegradation of co-polyesters consisting of divanillic acid with free hydroxyl groups, *Polymer*. 268 (2023) 125685.
- 4, Q. Huang, S. Kimura, T. Iwata, Near-complete biodegradation in seawater of a wide variety of polyesters by thermal embedding of *Humicola insolens* cutinase. *ACS Sustain. Chem. Eng.* Under reviewing.

Several Sections of Books and articles in Japanese are published.

## EDUCATIONAL BACKGROUND

Ph.D. 2022  
University of Tokyo, Tokyo, Japan  
Department of Biomaterial Sciences  
Supervisor: IWATA Tadahisa

Master degree 2018  
Nagaoka University of Technology, Nagaoka, Niigata, Japan  
Department of Materials Science and Technology  
Supervisor: TAKENAKA katsuhiko

Bachelor degree 2016  
Nagaoka University of Technology, Nagaoka, Niigata, Japan  
Department of Materials Science and Technology  
Supervisor: TAKENAKA katsuhiko