

# Fang Zheng

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## Education

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### South China University of Technology

2019 – 2022

*Master of Science in Pharmacy*

- Supervised by [Kun Wei](#) 
- Thesis: Tumor Microenvironment-Based mPEG-PLGA Nanoparticles for Enhancing Chemosensitivity in Breast Cancer.

### Qingdao University

2015 – 2019

*Bachelor of Science in Pharmacy*

- Thesis: The Induction of Apoptosis in Colon Cancer Cells by Sea Cucumber Saponins.

## Working Experience

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### Researcher

*Xiamen, China*

*Xiamen YanPalace Seelong Biotechnology Co., Ltd.*

*Jan 2024 – Present*

- Responsible for discovering the characteristic of the edible bird nest and the edible bird nest peptides (EBNPs). Develop the process for the preparation of EBNP nanoliposomes.

### Technical Support Specialist

*Xiamen, China*

*Xiamen Mogengel Biological Co., Ltd.*

*Aug 2023 – Jan 2024*

- Responsible for providing assistance to customers and internal teams for organoid culture, including answering customer inquiries, and re-visioning internal technical manual.

### Research Assistant

*Guangzhou, China*

*Guangzhou Zhiyuan Biotechnology Co., Ltd.*

*Jun 2021 – Sep 2021*

- Get involved in the research and writings of patents spanning tumor microenvironment-targeted nanoparticles, advanced composite materials, UV shielding technologies, and acoustic-responsive drug delivery systems.

## Publications

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### Flower-Like MnO<sub>2</sub> Nanoparticle-Based Dual GSH-Depleting Nanosystems for Chemo-/Chemodynamic/Sonodynamic Cancer Therapy.

Yujia Luo, **Fang Zheng**, Yuanyuan Gao, Wenyu Chen, Xinrui Xue, Chujie Xiao, Kun Wei  
ACS Applied Nano Materials, Volume7, 2024.

### Nano-Baicalein Facilitates Chemotherapy in Breast Cancer by Targeting Tumour Microenvironment.

**Fang Zheng**, Yujia Luo, Yuanqi Liu, Yuanyuan Gao, Wenyu Chen, Kun Wei  
International Journal of Pharmaceutics, Volume 635, 2023

### Erianin-Loaded Photo-Responsive Dendrimer Mesoporous Silica Nanoparticles: Exploration of a Psoriasis Treatment Method.

Huanan Yu, Yuanqi Liu, **Fang Zheng**, Wenyu Chen, Kun Wei  
Molecules, Volume 27, 2022

### Xanthatin Alleviates LPS-Induced Inflammatory Response in RAW264.7 Macrophages by Inhibiting NF- $\kappa$ B, MAPK and STATs Activation.

Yuanqi Liu, Wenyu Chen, **Fang Zheng**, Huanan Yu, Kun Wei  
Molecules, Volume 27, 2022

## Chinese Patents

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一种基于肿瘤微环境的负载黄芩素的mPEG-PLGA纳米粒及其制备方法与应用.

(A Tumor Microenvironment-Based mPEG-PLGA Nanoparticle Loaded with Huanggenzine and Its Preparation Method and Application.)

Kun Wei, *Fang Zheng*, Yujia Luo, Yuanqi Liu

CN115998691A, 2023.

一种声响应型载药棒状介孔硅及其制备方法与应用.

(A Sonoresponsive Drug-Loaded Rod-Shaped Mesoporous Silica and Its Preparation Method and Application.)

Kun Wei, Yang Yan, *Fang Zheng*, Yuanqi Liu

CN202111661894.5, 2022

载透明质酸与白藜芦醇介孔硅及其制备方法与应用.

(A Mesoporous Silica Loaded with Hyaluronic Acid and Resveratrol and Its Preparation Method and Application.)

Kun Wei, *Fang Zheng*, Yuanqi Liu

CN202111668972.4, 2022

一种茶多酚交联嵌入纳米氧化铈的蛋白/多糖复合膜材料及其制备方法.

(A Tea Polyphenol Crosslinked Protein/Polysaccharide Composite Membrane Material Embedded with Nano-Ceria and Its Preparation Method.)

Kun Wei, Yuanqi Liu, *Fang Zheng*

CN202111474522.1, 2022

一种茶多酚交联嵌入纳米氧化铈的蛋白/多糖复合膜材料及其制备方法.

(A "Sunscreen Compressed Tablet" Capable of Rapid Application and Loaded with UV Shielding Agents, and Its Preparation and Usage Methods.)

Kun Wei, Yuanqi Liu, Wenyu Chen, *Fang Zheng*

CN202111679859.6, 2022

## Awards

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Postgraduate First Class Scholarship

2020

South China University of Technology

Learning Progress Award

2018

Qingdao University