

## 一、籍贯

河南省邓州市人

## 二、教育经历

2004-2008: 河南师范大学, 学士学位

2008-2013: 中国海洋大学, 博士学位 (保送直博)

## 三、工作经历

2018-至今: 南京农业大学资源与环境科学学院, 副教授, 硕士生导师

2017-2018: 加州大学伯克利分校, 生物学系, 访问学者。生物信息学、eDNA 与群体遗传等合作研究

2013-2018: 南京农业大学资源与环境科学学院, 讲师。环境微生物分子生态研究

## 四、教学情况

教授开放课程: 微生物分子生态前沿

研究生课程: 全英分子生态学

本科生课程: 生物信息学概论, 微生物生态, 进化生态学

## 五、主持项目

国家自然科学基金

江苏省自然科学基金

中国博士后科学基金特别资助

中国博士后科学基金面上资助

中央高校重点项目基金

## 六、发表论文

**Zou Shanmei\***. Comparative Transcriptome Analysis of Toxic and Non-Toxic *Nassarius* Communities and Identification of Genes Involved in TTX-Adaptation. *Toxins*, 2020, 12(12):761.

**Zou Shanmei\***, Song Jiameng, Wang Chun, and Wang Changhai\*. The Relationships Between Toxicity, Species and Populations in *Nassarius* based on Toxin Detection and Multiple Gene Barcoding *J. Ocean Univ. China*. ISSN 1672-5182, 18 (6). <https://doi.org/10.1007/s11802-019-3921-7>. 2019.

**Zou Shanmei**, FEI Cong, YANG Weinan, HUANG Zheng, HE Meilin, WANG Changhai. High-efficiency 18S microalgae barcoding by coalescent, distance and character-based approaches: a test in *Chlorella* and *Scenedesmus*. *Journal of Oceanology and Limnology*. <https://doi.org/10.1007/s00343-018-7201-y>. 2018.

**Shanmei Zou**, Cong Fei, Chun Wang, Zhan Gao, Yachao Bao, Meilin He & Changhai Wang. How DNA barcoding can be more effective in microalgae identification: a case of cryptic diversity revelation in *Scenedesmus* (Chlorophyceae). Scientific report. 2016.

**Shanmei Zou**, Qi Li\*, Pay Attention to the Overlooked Cryptic Diversity in Existing Barcoding Data: the Case of Mollusca with Character-Based DNA Barcoding. *Marine Biotechnology*. 2016. 18: 327. DOI: 10.1007/s10126-016-9692-x.

**Zou S(#)**, Fei C, Song J, et al. Combining and Comparing Coalescent, Distance and Character-Based Approaches for Barcoding Microalgae: A Test with *Chlorella*-Like Species (Chlorophyta). *PloS one*, 2016, 11(4): e0153833.

**Shanmei Zou(#)** , Rujia Pan , Xiaodi Dong , Meilin He , Changhai Wang, Physicochemical properties and antioxidant activities of

two fucosylated chondroitin sulfate from sea cucumber *Acaudina molpadioidea* and *Holothuria nobilis*, *Process Biochemistry*, 2016, 51(5): 650–658. DOI: 10.1016/j.procbio.2016.02.009.

**Zou S(#)**, Wang Y, He M, et al. Scale - up batch fermentation of bioethanol production from the dry powder of Jerusalem artichoke (*Helianthus tuberosus* L.) tubers by recombinant *Saccharomyces cerevisiae*. *Journal of the Institute of Brewing*, 2016, 122(2): 261–267.

Weinan Yang(#), **Shanmei Zou(#)**, Meilin He, Cong Fei, Wei Luo, Shiyan Zheng Bo Chen, Changhai Wang, Growth and lipid accumulation in three *Chlorella* strains from different regions in response to diurnal temperature fluctuations, *Bioresource Technology*, 2016, 202: 15–24.

Wang Y Z(#), **Zou S M(#)**, He M L, et al. Bioethanol production from the dry powder of Jerusalem artichoke tubers by recombinant *Saccharomyces cerevisiae* in simultaneous saccharification and fermentation. *Journal of industrial microbiology & biotechnology*, 2015, 42(4): 543–551.

Yi Zhang, Meilin He, **Shanmei Zou**, Cong Fei, Yongquan an, Shiyan Zheng, Aftab Ahmed Rajper, Changhai Wang. Breeding of high biomass and lipid producing *Desmodesmus* sp. by Ethylmethane sulfonate-induced mutation. *Bioresource Technology*, 2016, 207: 268– 275.

**Shanmei Zou**, Qi Li\*, Lingfeng Kong, Monophyly, distance and character - based multigene barcoding reveal extraordinary cryptic diversity in *Nassarius*: a complex and dangerous community, *PLoS One*, 2012, 7(10): e47276–e47276.

**Shanmei Zou**, Qi Li\*, Lingfeng Kong, Multigene barcoding and phylogeny of geographically widespread muricids (Gastropoda:

Neogastropoda) along the coast of China, *Marine Biotechnology*, 2012, 14(1): 21-34.

**Shanmei Zou**, Qi Li\*, Lingfeng Kong, Additional gene data and increased sampling give new insights into the phylogenetic relationships of Neogastropoda, within the caenogastropod phylogenetic framework, *Molecular Phylogenetics and Evolution*, 2011, 61(2): 425-435.

**Shanmei Zou**, Qi Li\*, Lingfeng Kong, Hong Yu, Xiaodong Zheng, Comparing the usefulness of distance, monophyly and character-based DNA barcoding methods in species identification: a case study of Neogastropoda, *PLoS One*, 2011, 6(10): e26619-e26619.