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EDUCATION & EXPERIENCE

- 2020~Present Postdoctoral Researcher, Natural Product Biosynthesis Research Unit, CSRS, RIKEN
2017~2020 Ph.D., Applied Microbiology, Tohoku University
2016~2017 Research Student, Applied Microbiology, Tohoku University
2014~2016 M.S., Environmental Engineering, Ocean University of China
2009~2012 B.S., English, Shandong University of Science and Technology
2008~2012 B.S., Environmental Engineering, Shandong University of Science and Technology

PUBLICATIONS

1. **Zheng Y**, Wang CM, Sakai Y, Abe K, Yokota A, Yabe S. *Dictyobacter vulcani* sp. nov., belonging to class *Ktedonobacteria*, isolated from soil of the Mt. Zao volcano. *Int J Syst Evol Microbiol.*, 70(3):1805-1813, 2020.
2. **Zheng Y**, Saitou A, Wang CM, Toyoda A, Minakuchi Y, Sekiguchi Y, Ueda K, Takano H, Sakai Y, Abe K, Yokota A, Yabe S. Genome features and secondary metabolites biosynthetic potential of the class *Ktedonobacteria*. *Front. Microbiol.*, 26(10): p893, 2019.
3. **Zheng Y**, Wang CM, Sakai Y, Abe K, Yokota A, Yabe S. *Thermogemmatispora aurantia* sp. nov. and *Thermogemmatispora argillosa* sp. nov., within the class *Ktedonobacteria*, and emended description of the genus *Thermogemmatispora*. *Int J Syst Evol Microbiol.*, 69(6):1744-1750, 2019.
4. Wang CM, **Zheng Y**, Sakai Y, Toyoda A, Minakuchi Y, Abe K, Yokota A, Yabe S. *Tengunoibacter tsumagoiensis* gen. nov., sp. nov., *Dictyobacter kobayashii* sp. nov., *Dictyobacter alpinus* sp. nov. and description of *Dictyobacteraceae* fam. nov. within the order *Ktedonobacterales* isolated from Tengu-no-mugimeshi, a soil-like granular mass of microorganisms, and emended descriptions of the genera *Ktedonobacter* and *Dictyobacter*. *Int J Syst Evol Microbiol.*, 69(7):1910-1918, 2019.
5. Yabe S, Wang CM, **Zheng Y**, Sakai Y, Abe K, Yokota A. Formation of sporangiospores in *Dictyobacter aurantiacus* (class *Ktedonobacteria* in phylum *Chloroflexi*). *J Gen Appl Microbiol.*, in press (doi: 10.2323/jgam.2019.01.001), 2019.
6. Zhao YG, **Zheng Y**, Tian WJ, Bai J, Feng G, Guo L, Gao MC. Enrichment and immobilization of sulfide removal microbiota applied for environmental biological remediation of aquaculture area. *Environ Pollut.*, 214: 307-313, 2016.
7. **Zheng Y**, Wang XQ, Zhao YG, Feng G, Shen ZC. Effects of immobilization on community structure and function of sulfide oxidizing microbiota (in Chinese). *Acta Microbiologica Sinica.*, 56(9): 1504-1512, 2016.
8. Feng G, Zhao YG, Shen ZC, Wu YH, Wei CY, Wen F, **Zheng Y**. Vertical distribution of microbial community along the sulfide gradient in a sulfide-rich marine sediment model (in Chinese). *Acta Scientiae Circumstantiae*, 36(9): 3169-3176, 2016.

AUTHORIZED PATENT

1. Yang-Guo Zhao, **Yu Zheng**, Jie Bai, Weijun Tian, Hong Hu, Zonglian She, Mengchun Gao, Liang Guo.
Microbial complex flora for eliminating sulfide in sediments. Patent No.: CN105039234B