

Name Huang Haobin

ADDRESS: Guangdong Institute of Microbiology, Guangdong Academy of Sciences
Room 902, Building 58, No. 100, Central Xianlie Road, Guangzhou, China



CONTACT INFORMATION : E-mail: huanghaobin@zju.edu.cn;

Tel: (+86)-020-8713 7561

EDUCATION:

B. Sc. College of Environmental & Resource Sciences, Zhejiang University, China 2007-2011

Ph.D. College of Energy Engineering, Zhejiang University, China 2011-2019

ACADEMIC POSITIONS:

2019-present Assistant researcher, Guangdong Institute of Microbiology, GDAS

AREAS OF RESEARCH INTEREST:

Microbial electrochemical system

Energy and resource utilization of wastewater

Bioremediation of sediments

Research Grants (last 3 years):

- GDAS Special Project of Science and Technology Development (2020GDASYL-20200103019), Electrochemical characteristics of nitrate reducing and sulfur oxidizing microorganisms in sediments and its mechanism on the nitrogen and sulfur cycles. 2020-2022, RMB 540 k (PI)
- National Natural Science Foundation of China (No. 51478414), Construction and regulation of oxygen tolerant bioanodes in compact-electrode high-performance microbial fuel cells, 2015-2018, RMB 850 k (Co-PI)

Representative publications

1. **Haobin Huang**, Shaoan Cheng *, Fujian Li, Zhengzhong Mao, Zhufan Lin, Kefa Cen. Enhancement of the denitrification activity by exoelectrogens in single-chamber air cathode microbial fuel cells. *Chemosphere*. 225 (2019): 548-556.
2. **Haobin Huang**, Shaoan Cheng *, Jiawei Yang, Chaochao Li, Yi Sun, Kefa Cen. Effect of nitrate on electricity generation in single-chamber air cathode microbial fuel cells. *Chemical Engineering Journal*. 337 (2018): 661-670.
3. Jiawei Yang, Shaoan Cheng *, Peng Li, **Haobin Huang**, Kefa Cen. Sensitivity to Oxygen in Microbial Electrochemical Systems Biofilms. *iScience*. 12 (2019): 163-172.