



## 师资队伍

教师列表

人才计划

荣誉称号

创新团队

**教授副教授**

硕士生导师

博士生导师

退休教师

学术先贤

博士后名录

## 副教授

### 邓永翠



**邓永翠：副教授、硕士生导师**

#### 联系方式

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#### 工作和教育经历

- ◇2007年9月-2013年7月,就读于中国科学院大学资源与环境学院,获理学博士学位;
- ◇2011年11月-2012年11月,就读于德国马普陆地微生物研究所, 博士联合培养1年;
- ◇2013年11月-2017年8月, 南京师范大学地理与科学学院, 讲师;
- ◇2015年8月-2016年11月, 德国马普陆地微生物研究所, 博士后;
- ◇2017年9月至今, 南京师范大学地理与科学学院, 副教授

#### 承担 (参与) 的主要科研项目

◇国家自然科学基金面上项目:青藏高原冰川消融对其末端高寒草甸甲烷循环影响的微生物机制,编号: 41971077, 2019-2022 (主持)

◇国家自然科学基金青年项目:青藏高原湿地不同微地形土壤甲烷氧化菌的群落结构与活性特征研究,编号: 41401075, 2014-2017 (主持)

◇江苏省自然科学基金面上项目:青藏高原高寒草地土壤中大气甲烷氧化菌的活性特征研究,编号: BK20181386, 2018-2021 (主持)

◇江苏省自然科学基金青年项目:盐城滩涂湿地不同植被土壤中好氧甲烷氧化菌的群落结构和活性研究,编号: BK20140923, 2014-2017 (主持)

◇中国科学院青藏高原环境变化与地表过程重点实验室开放基金:青藏高原湖泊中产甲烷菌和甲烷氧化菌的多样性及其对湖泊甲烷循环的影响, 2015-2017 (主持)

◇江苏省高校自然科学研究项目,编号: 14KJB170008, 2014-2016 (主持)

◇南京师范大学优秀高层次人才科研启动基金项目, 2014-2017 (主持)

◇第二次青藏高原综合科学考察研究任务五生物多样性保护和可持续利用 “高原微生物多样性保护和可持续利用” 专题 (参与)

发表论文情况

#### 第一/通讯作者论文:

[ 1 ] **Deng Yongcui**, Liu Pengfei, Conrad Ralf\*. Effect of temperature on the microbial community responsible for methane production in alkaline NamCo wetland soil, *Soil Biology and Biochemistry*, 2019, 132:69-79

[ 2 ] **Deng Yongcui**, Rongxiao Che, Fang Wang, Ralf Conrad, Marc Dumont, Juanli Yun, Yibo Wu, Ang Hu, Jie Fang, Zhihong Xu, Xiaoyong Cui\*, Yanfen Wang. Upland Soil Cluster Gamma dominates methanotrophic communities in upland grassland soils, *Environmental Science of the Total Environment*, 2019, 670(20):826-836

[ 3 ] Fang Jie,**Yongcui Deng\***, Rongxiao Che, Cheng Han, Wenhui Zhong. Bacterial community composition in soils covered by different vegetation types in the Yancheng tidal marsh, *Environmental Science and Pollution Research*, 2020, <https://doi.org/10.1007/s11356-020-08629-z> (SCI)

[ 4 ] **Deng Yongcui**, Gui Qian, Dumont Marc, Han Cheng, Deng Huan, Yun Juanli, Wenhui Zhong\*.Methylococcaceae are the dominant active aerobic methanotrophs in a Chinese tidal marsh, *Environmental Science and Pollution Research*, 2019, 26(1):636-646 (SCI)

[ 5 ] **Deng Yongcui**, Liu Yongqin\*, Dumont Marc, Conrad Ralf, Salinity affects the composition of the aerobic methanotroph community in alkaline lake sediments from the Tibetan Plateau, *Microbial Ecology*, 2017, 73(1):101~110 (SCI)

[ 6 ] **Deng Yongcui**, Shen Liang\*, Xu Baiqin, Liu Yongqin, Gu Zhengquan, Liu Hongcan, Zhou Yuguang, *Mucilaginibacter psychrotolerans* sp. nov., isolated from the Riganqiao peatlands on the Tibetan Plateau, *International Journal of Systematic and Evolutionary Microbiology*, 2017, 67:767-771 (SCI)

[ 7 ] **Deng Yongcui\***, Cui Xiaoyong, Dumont Marc, Identification of active aerobic methanotrophs in plateau wetlands using DNA stable isotope probing, *Fems Microbiology Letters*, 2016, 363(16) (SCI)

[ 8 ] **Deng Yongcui**, Cui Xiaoyong, Hernandez Marcela, Dumont Marc\*, Microbial diversity in hummock and hollow soils of three wetlands on the Qinghai-Tibetan Plateau revealed by 16S rRNA pyrosequencing, *Plos One*, 2014, 1, 9(7) (SCI)

- [ 9 ] **Deng Yongcui**, Cui, Xiaoyong, Lueke Claudia, Dumont Marc\*, Aerobic methanotroph diversity in Riganqiao peatlands on the Qinghai-Tibetan Plateau, *Environmental Microbiology Reports*, 2013, 5(4):566~574 (SCI)
- [10] **邓永翠**,车荣晓,吴伊波,王艳芬,崔骁勇,好氧甲烷氧化菌生理生态特征及其在自然湿地中的群落多样性研究进展,*生态学报*, 2015, 35(14):4579-4591
- [11] **邓永翠**,吴静,吴伊波,杜岩功,张妍,崔骁勇,海拔梯度上高寒草甸土壤细菌功能多样性与环境因子的关系,*中国科学院大学学报*, 2013, 30(5):620-627
- [ 12 ] **邓永翠**,杜岩功,吴伊波,谭红朝,崔骁勇,植物释放甲烷研究进展,*生态学报*, 2010, 30(13):3608-3615
- [13] Che Rongxiao,**Deng Yongcui**, Wang Fang, Wang Weijin, Xu Zhihong, Hao Yanbin, Xue Kai, Zhang Biao, Tang Li, Zhou Huakun, Cui Xiaoyong, Autotrophic and symbiotic diazotrophs dominate nitrogen-fixing communities in Tibetan grassland soils. *Science of the Total Environment* 2018, 639:997-1006.
- [ 14 ] Che Rongxiao,**Deng Yongcui**, Weijin Wang, Yichao Rui, Jing Zhang, Iman Tahmasbian, Li Tang, Shiping Wang, Yanfen Wang, Zhihong Xu, Xiaoyong Cui, Long-term warming rather than grazing significantly changed total and active soil procaryotic community structures, *Geoderma*, 2018, 316: 1~10
- [15] Jun Wang, Huan Deng, Shaosong Wu,**Deng Yongcui**, Li Liu, Cheng Han, Yunbin Jiang, Wenhui Zhong, Assessment of abundance and diversity of exoelectrogenic bacteria in soil under different land use types, *Catena*, 2019, 172:572-580
- [16] Yun Juanli,**Deng Yongcui**, Hongxun Zhang, Anthropogenic protection alters the microbiome in intertidal mangrove wetlands in Hainan Island, *Appl Microbiol Biotechnol*, 2017, 101:6241~6252
- [17] Yun Juanli, Zhang Hongxun,**Deng Yongcui**, Wang Yanfen, Aerobic Methanotroph Diversity in Sanjiang Wetland, Northeast China, *Microbial Ecology*, 2015, 69(3):567~576
- [18] Dumont Marc, Luke Claudia, Deng Yongcui, Frenzel Peter, Classification of pmoA amplicon pyrosequences using BLAST and the lowest common ancestor method in MEGAN, *Frontiers in Microbiology*, 2014, 5
- [ 19 ] Che Rongxiao,**Deng Yongcui**, Wang Fang, Wang Weijin, Xu Zhihong, Wang Yanfen, Cui Xiaoyong, 16S rRNA-based bacterial community structure is a sensitive indicator of soil respiration activity, *Journal of Soils and Sediments*, 2015, 15(9):1987~1990
- [ 20 ] Yun Juanli, Ju Yiwen,**Deng Yongcui**, Zhang Hongxun, Bacterial Community Structure in Two Permafrost Wetlands on the Tibetan Plateau and Sanjiang Plain, China, *Microbial Ecology*, 2014, 68(2):360~369
- [21] Wang Xinli, Han Cheng, Zhang Jinbo, Huang Qianru, Deng Huan,**Deng Yongcui**, Zhong Wenhui, Long-term fertilization effects on active ammonia oxidizers in an acidic upland soil in China, *Soil Biology & Biochemistry*, 2015, 84:28~37
- [22] Wu Yibo, Zhang Jing,**Deng Yongcui**, Wu Jing, Wang Shiping, Tang Yanhong, Cui Xiaoyong, Effects of warming on root diameter, distribution, and longevity in an alpine meadow, *Plant Ecology*, 2014, 215(9):1057~1066
- [23] Zhang Yuan, Deng Huan, Xue Hongjing, Chen Xinyao, Cai Chao,**Deng Yongcui**, Zhong Wenhui, The effects of soil microbial and physiochemical properties on resistance and resilience to copper perturbation across China, *Catena*, 2016, 147:678~685
- [ 24 ] Wu Yibo,**Deng Yongcui**, Zhang Jing, Wu Jing, Tang Yanhong, Cao Guangmin, Zhang Fawei, Cui Xiaoyong, Root size and soil environments determine root lifespan:

evidence from an alpine meadow on the Tibetan Plateau, *Ecological Research*, 2013, 28(3):493~501

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[30] 杜岩功, 曹广民, **邓永翠**, 崔骁勇, 金露梅灌丛草甸氧化亚氮排放特征及冻融交替的影响研究, *山地学报*, 2009, 27(6):688~697

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