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学历：陈丹丹

职务：生化学院研究生
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研究方向：环境地球化学
土壤污染修复
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■教育经历

- 博士（2016.09—2020.01）：中国科学院大学，环境工程专业，方向：环境地球化学、土壤污染修复；
- 硕士（2013.09—2016.06）：中国科学院大学，环境工程专业，方向：环境地球化学、土壤污染修复；
- 本科（2009.09—2013.06）：四川师范大学，环境工程专业

■工作经历

- 2022.01—今：攀枝花学院，生物与化学工程学院（农学院），副教授；
- 2020.04—2021.12：攀枝花学院，生物与化学工程学院（农学院），讲师；

■主持及参与科研项目

- 国家自然科学基金项目，亚铁氧化耦合钒还原的化学与微生物机制解析（编号：42107260），2022/01—2024/12，主持人，30 万元。
- 高校教育厅平台项目，微生物驱动钒钛磁铁矿氧化还原的过程研究（编号：LZJ2201），2022/10-2024/06，主持人，4 万元。
- 高校教育厅平台项目，微生物修复钒、铬复合污染土壤机制研究（编号：GR-2024-E01），2024/07-2026/06，主持人，2 万元
- 攀枝花学院博士科研启动经费项目，土著微生物驱动钒还原与固定的过程研究（编号：035200270），主持人，10 万元。
- 成都双创恒生物科技有限公司，钒钛磁铁矿尾矿资源化利用技术研究（编号：HX2022220），主持人，5 万元。
- 四川攀美环保有限公司委托项目，攀枝花市城区饮用水水质现状监测及评价，2020/12-2021/12，主持人，13 万元。
- 国家自然科学基金项目，微生物介导的硝酸盐还原耦合亚铁氧化机制及其相对贡献（编号：41977028），2020/01—2023/12，参与人（排名第4），61 万元。
- 四川省重点研发项目，生物矿化关键技术及降低矿渣堆重金属扩散原位阻控材料研究（编号：2022YFS0577），2022/01—2023/12，参与人（排名第7），200 万元。

■发表学术论文

- **Dandan Chen**; Kuan Cheng; Tongxu Liu; Guojun Chen; Andreas Kappler; Xiaomin Li; Raymond Jianxiong Zeng; Yang Yang; Fujun Yue; Shiwen Hu; Fang Cao; Fangbai Li. Novel insight into microbially mediated nitrate-reducing Fe(II) oxidation by *Acidovorax* sp. strain BoFeN1 using dual N-O isotope fractionation. *Environmental Science & Technology*. **2023**.57(33): 12546-12555. SCI收录，中科院一区。
- **Dandan Chen**; Fenghui Wu; Lingrui Kuang; Qiang Niu; Xuan Xiao; Xuejun Zhu, One step resource utilization treatment of solid waste: Preparation of high-performance building bricks from calcium carbide slag by ultra-high mechanical pressure. *Ceram. Int*. **2024**. 51(5), 5736-5746. SCI收录，中科院二区。

- **Dandan Chen**; Xiu Yuan; Wenqi Zhao; Xiaobo Luo; Fangbai Li; Tongxu Liu. Chemodenitrification by Fe(II) and nitrite: pH effect, mineralization and kinetic modeling. *Chemical Geology*. **2020**. 541. SCI收录, 中科院二区.
- **Dandan Chen**, Tongxu Liu, Xiaomin Li, Fangbai Li, Xiaobo Luo, Yundang Wu, Ying Wang. Biological and chemical processes of microbially mediated nitrate-reducing Fe(II) oxidation by *Pseudogulbenkiania* sp. strain 2002. *Chemical Geology*, **2018**. 476:59-69. SCI收录, 中科院二区.
- Tongxu Liu, **Dandan Chen (Co-first author)**, Xiaobo Luo, Xiaomin Li, Fangbai Li. Microbially mediated nitrate-reducing Fe(II) oxidation: Quantification of chemodenitrification and biological reactions. *Geochimica et Cosmochimica Acta*, **2019**. 256:97-115. SCI收录, 中科院一区.
- Qiang Niu, Tao Yang , **Dandan Chen*** , Xuejun Zhu , Yan Guo , Xiao'e Chen , Bin Xu, Changgeng Liu. Utilizing non-thermal plasma to introduce chlorine-containing functional groups on multi-walled carbon nanotubes for enhanced elemental mercury removal. *Sustainable Chemistry and Pharmacy*. **2024**. 41, 101695.SCI收录,中科院二区.
- Changgeng Liu, **Dandan Chen**, Xiao'e Chen; Atmospheric Reactivity of Methoxyphenols: A Review. *Environmental Science & Technology*, **2022**. 56(5): 2897-2916. SCI收录,中科院一区.
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- Fenghui Wu; **Dandan Chen**; Qiang Niu; Xuan Xiao. Current status of phosphoric acid preparation technology and future application directions of microbial methods. *Sustainable Chemistry and Pharmacy* **2025**.43, 101882.SCI收录, 中科院二区.
- Ru Chen; **Dandan Chen**; Niu, Qiang; Lu Fan; Mingchao Sun; Zhengzheng Yang; Changgeng Liu; Heterogeneous degradation kinetics of typical pyrimidine pesticides toward OH radicals. *Atmospheric Environment* **2024**.337.SCI收录, 中科院二区.
- Guojun Chen; **Dandan Chen**; Fangbai Li; Tongxu Liu*; Zhuyu Zhao; Fang Cao; Dual nitrogen-oxygen isotopic analysis and kinetic model for enzymatic nitrate reduction coupled with Fe(II) oxidation by *Pseudogulbenkiania* sp. strain 2002, *Chemical Geology*, **2020**, 534. SCI收录,中科院二区.
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- Yangmei Fei; Baogang Zhang; **Dandan Chen**; Tongxu Liu; Hailiang Dong. The overlooked role of denitrifying bacteria in mediating vanadate reduction. *Geochimica et Cosmochimica Acta*, **2023**,361: 67-81. SCI收录,中科院一区
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- Xiaobo Luo, Yundang Wu, Tongxu Liu, Fangbai Li, Xiaomin Li, **Dandan Chen**, Ying Wang. Quantifying redox dynamics of c-type cytochromes in a living cell suspension of dissimilatory metal-reducing bacteria. *Analytical Sciences*, **2019**. 35(3): 315-321. SCI收录,中科院四区.

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 - 刘同旭, 程宽, 陈丹丹, 王莹, 殷云璐, 李芳柏. 微生物介导的硝酸盐还原耦合亚铁氧化成矿研究进展[J]. 生态环境学报, **2019**, 28(3): 620-628. 中文核心

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