姓　　名	孟令威
职称/职务	副教授，硕士生导师
出生年月	1987 年 06 月
学科方向	污水生物处理技术与固废资源化
联系邮箱	yynmlwhit@126.com

教育背景

2013 年 9 月至 2017 年 12 月　哈尔滨工业大学　　博士
2011 年 9 月至 2013 年 7 月　哈尔滨工业大学　　硕士
2007 年 9 月至 2011 年 7 月　东北电力大学　　学士

工作履历

2021 年 7 月至今　东北电力大学，副教授
2018 年 1 月至 2021 年 7 月　东北电力大学，讲师

开设课程

1.本科生课程《建筑给水排水工程》《环境工程概论》
2.研究生课程《污泥处理处置与资源化》《新型污染物识别与控制》

研究领域

1.新兴污染物的环境效应与调控
2.高浓度有机废水的生物处理技术
3.固体废弃物的资源化

科研项目

1.污水处理系统中抗性基因传播的 AHL 群体感应调控机制研究（编号：52200042），国家自然科学基金项目，起止年月为 2023/01-2025/12，本人为项目负责人。
2.MBR 中抗生素抗性基因传播的群感效应调控机制研究，吉林省教育厅重点项目，起止年月为 2023/01-2025/12，本人为项目负责人。
3.吉林市污水处理厂中抗生素抗性基因的赋存特征、扩散机制及其对松花江流域污染情况的研究(编号：20200104073)，吉林市杰出青年人才培养专项，起止年月为 2020/8 -2022/12，本人为项目负责人。
4.吉林省污水新兴污染物治理创新团队(编号：20200301030RQ)，中青年科技创新领军人才及团队项目，起止年月为 2020/1-2022/12，本人为项目的第一参与人。
5.碳源梯级利用模式下深度反硝化低温强化脱氮及功能菌群构建策略研究(编号：51478138)，国家自然科学基金面上项目，起止年月为 2015/01—2018/12，本人为项目参与人，负责分子生物学方面的研究。
6.基于污泥增量的生物强化技术耦合高负荷活性污泥工艺作用机理研究，吉林省科技发展计划项目（编号：20220101258JC），起止年月为 2022/7-2025/6，本人为第二参与人。

学术兼职

1.中国城市科学研究会 会员

奖励荣誉

1.2024 校级优秀硕士论文指导教师
2.2021 年认定为吉林省 E+类人才
3.“基于污水中污染物定向转化的微生物菌剂构建研究”吉林省科学技术进步二等奖，2020.11，证书编号：2020Z20020，排名第二。

学术成果

1.Lingwei Meng, Xiang-kun Li, Ke Wang. 2015. “Influence of the amoxicillin concentration on organics removal and microbial community structure in an anaerobic EGSB reactor treating with antibiotic wastewater” Chemical Engineering Journal.
2. Lingwei Meng, Xiang-kun Li, Ke Wang. 2015. “Pre-treating amoxicillin contained wastewater with an anaerobic expanded granular sludge bed (EGSB)” Desalination and Water Treatment.
3. Lingwei Meng, Xiang-Kun Li, Shu-Tao Wang. 2017. The long-term impact of cefalexin on organic substrate degradation and microbial community structure in EGSB system Chemosphere
4. Lingwei Meng, Xiangkun Li, Jie Zhang. 2017. Amoxicillin effects on functional microbial community and spread of antibiotic resistance genes in amoxicillin manufacture wastewater treatment system” Journal of environmental Sciences
5.Lingwei Meng, Jichao Wang, Xiangkun Li, Fengguo cui. 2020. Insight into effect of high-level cephalexinon fate and driver mechanism of antibiotics resistance genes in antibiotic wastewater treatment system” Ecotoxicology and Environmental Safety.
6. Lingwei Meng, Jichao Wang, Xiangkun Li, Yening Y, Yining Zhu. 2021. Microbial community and molecular ecological network in the EGSB reactor treating antibiotic wastewater: Response to environmental factors, Ecotoxicology and Environmental Safety.
7.Lingwe Meng, Yuzhe Zhao, Xiangkun Li, Yanli Kong, 2021. The effect of bacterial functional characteristics on the spread of antibiotic resistance genes in Expanded Granular Sludge Bed reactor treating the antibiotic wastewater, Ecotoxicology and Environmental Safety.
8.Lingwei Meng *, Yubo Wang , Yining Zhu, 2024. Copper oxide nanoparticles inffuence on the performance of sequencing batch reactor and the transfer of antibiotic resistance genes by regulating bacterial quorum sensing system, Journal of Environmental Chemical Engineering.
9. Jichao Wang, Dongbo Wu, Lingwei Meng*,2024. Microplastics in anoxic/aerobic membrane bioreactor (A/O-MBR): Characteristics, biofilms, degradation and carrier for antibiotic resistance genes, Journal of Water Process Engineering.
10. Xiang-kun Li, Kai-li Ma, Ling-wei Meng, Jie Zhang, Ke Wang. 2014.“Performance and microbial community profiles inan anaerobic reactor treating with simulated PTA wastewater: From mesophilic to thermophilic temperature”.Water Research.
11. Kai-liMa, Xiang-kunLi, KeWang, Ling-wei Meng, Gai-geLiu, JieZhang. 2017.“Establishent of thermophilic anaerobic terephthalic acid degradation system through one-step temperature increase startup strategy -Revealed by Illumina Miseq Sequencing” Chemosphere.
12. Kai-LiMa, Xiang-KunLi, KeWang, He-XiZhou, Ling-WeiMeng, Jie Zhang. 2015. “454-Pyrosequencing Reveals Microbial Community Structure and Composition in a Mesophilic UAFB System Treating PTA wastewater”. Curr Microbiol.
13.Xiangkun Li, Gaige Liu, Shuli Liu, Kaili Ma, Lingwei Meng, 2018. The relationship between volatile

fatty acids accumulation and microbial community succession triggered by excess sludge alkaline fermentation, Journal of environmental Management.
14.Zhu Yanjun, Yan Shidong, Wang Weizhuo, Meng Lingwei, Guo Jingbo. 2022. Applications of Sponge Iron and Effects of Organic Carbon Source on Sulfate-Reducing Ammonium Oxidation Process, International journal of environmental research.
15.Hong-YingChen, Xiang-KunLi, Lingwei Meng. 2022. The fate and behavior mechanism of antibiotic resistance genes and microbial communities in anaerobic reactors treating oxytetracycline manufacturing wastewater. Journal of Hazardous Materials.
16.程庆锋, 李冬,李相昆, 孟令威, 张杰. 2014. 反冲洗周期对生物除锰滤池去除效果的影响, 环境工程学报.