

教师简介

	姓名	谢振岗
	职称	无
	最高学历/学位	研究生/博士
	毕业院校	浙江大学
	专业	植物保护-农药学
	研究方向	中草药农药减施增效研究、果蔬保鲜剂研发
	所属教研室/实验中心	生物工程教研室
	行政职务	无
	社会兼职	无
	其他职业资格	无
	邮箱	2024110005@buzz.edu.cn
	主讲课程	无机及分析化学
教科研项目	<p>参与国家“十四五”重点研发项目 1 项、浙江省科技厅公益分析测试项目 1 项、企业委托横向课题 3 项等；</p> <p>[1]参与国家重点研发计划“农药靶向传输释放调控与协同控害技术创新与应用”子课题。</p> <p>[2]参与 2022 年浙江省科技厅公益技术应用项目-分析测试项目“微量富集-气质联用技术鉴定植物-害虫-天敌三者化学通讯关系中的天敌引诱挥发物”。</p> <p>[3]参与企业委托横向课题“BYT 与 KLT 的制备工艺与优化”，3/5；陕西美邦药业集团股份有限公司。</p> <p>[4]参与企业委托横向课题“氢氧化铜悬浮剂混配安全性评估与工艺优化”，4/4；京博农化科技有限公司。</p>	
教科研成果	<p>(1) Xie Zhengang, Xiong Qiuyu, Fang Yun, Zhang Qi, Liang Wenlong, Cheng Jingli, Shang Wenxuan, Zhao Wei, Zhao Jinhao. Novel Biodegradable Composite Mulch Film Embedded with Temperature-Responsive Pesticide Microcapsules for Durable Control of Phytophthora Root Rot on Soybean. <i>ACS Sustainable Chemistry & Engineering</i>, 2023, 11(26): 9868–9879. (化学 1 区 TOP, IF= 8.4)</p> <p>(2) Xie Zhengang, Liang Wenlong, Xiong Qiuyu, Zhao Yanyan, Cheng Jingli, Li Xianbin, Zhao Jinhao. Acetalated dextran microparticles for the smart delivery of pyraclostrobin to control Sclerotinia diseases. <i>Carbohydrate Polymers</i>, 2022, 291: 119576. (化学 1 区 TOP, IF=11.2)</p> <p>(3) Liang Wenlong, Xie Zhengang, Cheng Jingli, Xiao Douxin, Xiong Qiuyu, Wang Qiangwei, Zhao Jinhao, Gui Wenjun. A light-triggered pH-responsive metal–organic framework for smart delivery of fungicide to control Sclerotinia diseases of oilseed rape. <i>ACS Nano</i>, 2021, 15(4): 6987-6997. (材料科学 1 区 TOP, IF=17.1)</p>	

(4) Bin Yu, Jingli Cheng, Yun Fang, **Zhengang Xie**, Qiuyu Xiong, Haonan Zhang, Wenxuan Shang, Frederik R Wurm, Wenlong Liang, Fanglin Wei, Jinhao Zhao. Multi-stimuli-responsive, topology-regulated, and lignin-based nano/microcapsules from pickering emulsion templates for bidirectional delivery of pesticides[J]. *ACS nano*, 2024, 18(14): 10031-10044. (材料科学 1 区 TOP, IF=17.1)

(5) Xiong Qiuyu, Liang Wenlong, Shang Wenxuan, **Xie Zhengang**, Cheng Jingli, Yu Bin, Fang Yun, Sun Li, Zhao Jinhao. Bidirectional Uptake, Transfer, and Transport of Dextran-Based Nanoparticles in Plants for Multidimensional Enhancement of Pesticide Utilization. *Small*, 2023: 2305693.(材料科学 1 区 TOP, IF=13.2)

(6) Haonan Zhang, Bin Yu, Yun Fang, **Zhengang Xie**, Qiuyu Xiong, Donglai Zhang, Jingli Cheng, Qunzhen Guo, Yehua Su, Jinhao Zhao. Long-lasting, UV shielding, and cellulose-based avermectin nano/micro spheres with dual smart stimuli-microenvironment responsiveness for *Plutella xylostella* control[J]. *Carbohydrate Polymers*, 2024, 345: 122553. (化学 1 区 TOP, IF=11.2)

(7) Liang Wenlong, Zhang Jiadong, Wurm Frederik R, Wang Rong, Cheng Jingli, **Xie Zhengang**, LiXian bin, Zhao Jinhao. Lignin-based non-crosslinked nanocarriers: A promising delivery system of pesticide for development of sustainable agriculture. *International Journal of Biological Macromolecules*, 2022, 220: 472-481.(化学 1 区 TOP, IF=8.2)

(8) Xiao Douxin, Liang Wenlong, **Xie Zhengang**, Cheng Jingli, Du Yongjun, Zhao Jinhao. A temperature-responsive release cellulose-based microcapsule loaded with chlorpyrifos for sustainable pest control. *Journal of Hazardous Materials*, 2021, 403: 123654.(环境科学与生态学 1 区 TOP, IF=13.6)

(9) Liang Wenlong, Wang Biao, Cheng Jingli, Xiao Douxin, **Xie Zhengang**, Zhao Jinhao. 3D, eco-friendly metal-organic frameworks@ carbon nanotube aerogels composite materials for removal of pesticides in water. *Journal of Hazardous Materials*, 2021, 401: 123718. (环境科学与生态学 1 区 TOP, IF=13.6)

(10) Zhao Yang, Cheng Jingli, **Xie Zhengang**, Fang Shaowei, Zhao Jinhao. Syntheses and Insecticidal Activity of Spirocyclic Tetronic Acid Derivatives Containing Oxime Ether Moiety. *Chemical Research in Chinese Universities*, 2020, 36:810-815. (IF=3.1)