

中国科学院水利部水土保持研究所

Institute of Soil and Water Conservation, CAS & MWR

西北农林科技大学水土保持研究所

Institute of Soil and Water Conservation, Northwest A&F University

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简 历：

教育(访问)经历：

2015/09-2016/08，瑞典皇家理工学院，化学学院，访问学者，合作导师：Lennart Salmén院士及Jiebing Li教授；

2012/06-2012/09，美国威斯康星州立大学，生物化学系，访问学者，合作导师，John Ralph 教授；

2011/09-2012/07，北京林业大学，材料科学与技术学院，国内访学，合作导师：孙润仓教授；

2007/01-2008/01，英国Bangor大学，化学系，访问学者，合作导师：Mark Stephen Baird教授；

2004/09-2010/10，西北农林科技大学，资源环境学院，水土保持与荒漠化防治专业，博士；

2000/09-2003/06，西北农林科技大学，资源环境学院，水土保持与荒漠化防治专业，硕士；

1994/09-1998/07，西北农业大学，土壤农化系，土壤学专业，学士。

工作经历：

2021/05-今，西北农林科技大学水土保持研究所，研究员，硕士生导师

2012/10-2021/04，西北农林科技大学水土保持研究所，副研究员，硕士生导师

2012/01-2012/10，西北农林科技大学资源环境学院，副教授

2003/12-2012/12，西北农林科技大学资源环境学院，讲师

1999/12-2003/12，西北农林科技大学资源环境学院，助教

1998/06-1999/12，西北林学院基础课部，助教

社会任职：

陕西省土壤学会会员，陕西省生态学会会员，国际期刊《Chemical Engineering Journal》、《Journal of Hazardous Materials》、《Industrial Crops and Products》、《International Journal of Biological Macromolecules》等期刊审稿专家。

研究方向：

农林生物质转化利用、重金属污染修复、有机肥研制。

承担科研项目情况：

- 1.中科院科技服务网络行动计划项目（STS），晋陕蒙能源区风化煤与生物质资源化利用及产业化，2020/01-2021/12
- 2.政府购买服务项目，全国畜禽养殖业产排污系数原位监测技术指导与数据集成分析, 2020/01-2020/12
- 3.中国科学院“西部青年学者”A类项目，宁南山区柠条生物质高效转化利用，2019/01-2021/12
- 4.国家重大科技专项，耕地时空变化及其生态环境效应，2019/01-2023/10
- 5.国家自然科学基金面上项目，木质素基缓释氮肥曼尼希合成机理及氮素释放规律研究，2018/01-2021/12
- 6.中科院科技服务网络行动计划(STS)区域重点项目，柠条纤维组分的分离及化学表征，2017/01-2018/12
- 7.国家科技支撑计划项目，宁南山区脆弱生态系统恢复及可持续经营技术集成与示范，2015/01-2018/12
- 8.中国科学院创新平台建设项目，黄土高原植被恢复中土壤团聚体及抗侵蚀性能评价，2014/01-2016/12
- 9.中国科学院“西部之光”人才支持计划专项，农林生物质组分高效分离及转化利用，2014/01-2016/12
- 10.国家自然科学基金面上项目，芥子醇单体交联二聚体机理及其结构表征研究，2014/01-2017/12
- 11.国家公益性科研专项,秦岭山地主要森林类型林地土壤碳管理技术研究，2013/01-2017/12
- 12.科技部国家重点基础研究发展计划(973计划)项目子专题，生物质解离与低分子片段绿色单体化及转化，2010/01-2014/12

代表论著：

- 1.Hongxu Liang, Hongwei Zhang, PinyeZhao, Xinkun Zhao, Haowei Sun, Zengchao Geng, DiaoShe (余雕)*. Adsorption of Cr(VI) from aqueous solutions using novel activated carbon spheres derived from glucose and sodium dodecylbenzene sulfonate. Journal of Cleaner Production, 2021,306,127304. (中科院一区TOP, IF=7.246)
- 2.Hongxu Liang, Ruru Sun, Bin Song, Qianqian Sun, Pai Peng, Diao She (余雕)*. Preparation of nitrogen-doped porous carbon material by a hydrothermal-activation two-step method and its high-efficiency adsorption of Cr(VI). Journal of Hazardous Materials, 2020,387,121987. (中科院一区TOP, IF=9.038)
- 3.Bin Song, Hongxu Liang, Ruru Sun, Pai Peng, Yun Jiang, Diao She (余雕)*. Hydrogel synthesis based on lignin/sodium alginate and application in agriculture. International Journal of Biological Macromolecules, 2020, 144: 219-230. (中科院二区TOP, IF=5,126)
- 4.Huahua Yang, Pai Peng, Qingqing Sun, Qiang Zhang, Na, Ren Fengpeng Han, Diao She (余雕)*. Developed carbon nanotubes/gutta percha nanocomposite films with high stretchability and photo-thermal conversion efficiency. Journal of Materials Research and Technology, 2020, 9: 8884-8895. (中科院二区, IF=5.289)
- 5.Qingliang Cui, Jinling Xu, Wei Wang, Lianshuai Tan, Yongxing Cui, Tongtong Wang, Gaoliang Li, Diao She (余雕), Jiyong Zheng*. Phosphorus recovery by core-shell γ -Al₂O₃/Fe₃O₄ biochar composite from aqueous phosphate solutions. Science of the Total Environment, 2020,729,138892. (中科院一区TOP, IF=6.551)
- 6.Sun, Qianqian, Geng, Zengchao, Dong, Juane, Peng, Pai, Zhang, Qiang, Xiao, Yao; She, Diao (余雕)*.Graphene nanoplatelets/Eucommia rubber composite film with high photothermal conversion performance for soil mulching. Journal of the Taiwan Institute of Chemical Engineers. 2020, 111: 239-245. (中科院三区, IF=4.794)
- 7.Xianzhen Li, Yue Hu, Diao She (余雕)*, Weibo Shen. Modified Activated Carbon Fiber Felt for the Electrosorption of Norfloxacin in Aqueous Solution. Sustainability.2020, 12: 3986. (中科院四区, IF=2.576)

- 8.Tongtong Wang, Hongtao Liu, Cuihua Duan, Rui Xu, Zhiqin Zhang, Diao She (佘雕), Jiyong Zheng*. The Eco-Friendly Biochar and Valuable Bio-Oil from *Caragana korshinskii*: Pyrolysis Preparation, Characterization, and Adsorption Applications. *Materials*. 2020, 13(15), 3391. (中科院三区, IF=3.057)
- 9.Hongxu Liang, Bin Song, Pai Peng, Gaojie Jiao, Xiang Yan, Diao She (佘雕)*. Preparation of three-dimensional honeycomb carbon materials and their adsorption of Cr (VI). *Chemical Engineering Journal*. 2019,367:9-16. (中科院一区TOP, IF=10.652)
- 10.Diao She (佘雕), Juane Dong, Junhua Zhang, Lili Liu, Qianqian Sun, Zengchao Geng, Pai Peng. Development of black and biodegradable biochar/gutta percha composite films with high stretchability and barrier properties. *Composites Science and Technology*, 2019,175:1-5. (中科院一区TOP, IF=7.094)
- 11.Gaojie Jiao, Pai Peng, Shaolong Sun, Zengchao Geng, Diao She (佘雕)*. Amination of biorefinery technical lignin by Mannich reaction for preparing highly efficient nitrogen fertilizer. *International journal of biological macromolecules*. 2019,127:544-554. (中科院二区TOP, IF=5.126)
- 12.Qianqian Sun, Xinkun Zhao, Dongmei Wang, Juane Dong, Diao She (佘雕)*. Pai Peng*. Preparation and characterization of nanocrystalline cellulose/Eucommia ulmoides gum nanocomposite film. *Carbohydrate Polymers*, 2018,181:825-832. (中科院一区TOP, IF=7.182)
- 13.Xinkun Zhao, Bingxin Jia, Qianqian Sun, Gaojie Jiao, Lili Liu, Diao She (佘雕)*. Removal of Cr⁶⁺ ions from water by electrosorption on modified activated carbon fibre felt. *Royal Society Open Science*, 2018,5(9):1-13. (中科院三区, IF=2.515)
- 14.Gaojie Jiao, Qiang Xu, Shenglei Cao, Pai Peng, Diao She (佘雕)*. Controlled-Release Fertilizer with Lignin Used to Trap Urea/Hydroxymethylurea/ Urea-Formaldehyde Polymers. *BioResources*, 2018,13,513-527. (中科院四区, IF=1.409)
- 15.Jiebing Li, Miao Wang, Diao She (佘雕), Yadong Zhao*. Structural functionalization of industrial softwood kraft lignin for simple dip-coating of urea as highly efficient nitrogen fertilizer. *Industrial Crops and Products*, 2017,109,255-265. (中科院一区TOP, IF=4.244)
- 16.Helong Li, Diao She(佘雕)*, Pai Peng, Qiang Xu, Jiakun Liu, Xueming Zhang, Zengchao Geng. Optimizing extraction and structural characterization of organosolv lignin from wheat straw. *Cellulose Chemistry and Technology*, 2017,51(5-6):433-445. (中科院四区, IF=0.857)
17. Yuefang Gao, Haitao Wang, Junhong Guo, Pai, Peng*, Meizhi, Zhai, Diao She(佘雕)*. Hydrothermal degradation of hemicelluloses from triploid poplar in hot compressed water at 180-340 °C. *Polymer Degradation and Stability*, 2016,126:179-187. (中科院二区, IF=3.78)
- 18.牛乐乐, 张必成, 贾天忠, 佘雕*. 青海省海西州土地利用变化强度分析与稳定性研究. *水土保持学报*, 2021, 35(02): 152-159.
- 19.宋彬, 孙茹茹, 梁宏旭, 胡玥, 彭湃, 佘雕*. 添加木质素和生物炭对土壤氮、磷养分及水分损失的影响. *水土保持学报*, 2019, (6): 227-232.
- 20.梁宏旭,赵新坤,宋彬,孙倩倩,焦高杰,郑纪勇,佘雕*. 改性活性炭毡电吸附污水中的Zn²⁺. *中国环境科学*, 2018, 38(4): 1336-1345.
- 21.赵新坤,李赫龙,佘雕*,孙润仓.木质素模型化合物合成研究的现状与展望. *生物质化学工程*, 2018, 52(1): 41-52.
- 22.张蓉蓉,樊会敏,郭军艳,张圣民,许明祥,佘雕*. 陕西渭北农田土壤盐碱化空间分布及影响因素. *西北农业学报*, 2018, 27(3): 440-450.
- 23.徐强, 孙倩倩, 赵新坤, 曹胜磊, 佘雕*, 孙润仓. 工业碱木质素羟甲基化改性研究. *林业工程学报*. 2017, 2(03): 90-96.

获奖及荣誉：

获中国林学会“梁希林业科学技术奖”二等奖一项。杨凌农业高新技术产业示范区科学技术一等奖一项。中国水土保持学会科学技术奖二等奖一项

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