# 个人简历

**姓名：**邵天韵　　**性别：**女

**籍贯：**上海市　　**政治面貌：**群众

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**研究方向：**盐碱地生态修复与利用

## 一、教育经历

2018 年 9 月—2022 年 6 月，博士，生态学，南京农业大学

2015 年 9 月—2018 年 6 月，硕士，海洋科学，南京农业大学

2011 年 9 月—2015 年 6 月，本科，环境科学，南京农业大学

## 二、工作经历

2022 年 6 月—至今，钟山青年研究员，土壤学，南京农业大学

## 三、获奖情况

**江苏省农学会科技奖 技术推广二等奖**，2022 年（第三完成人）

**中国产学研合作创新成果奖 优秀奖**，2022 年（第三完成人）

“中国自然资源学会资源循环利用专业委员会第三届全国学术研讨会”中所做报告被评为**优秀报告一等奖**

**江苏省优秀学术学位硕士论文**

**研究生校长奖学金**

**国家奖学金 2 次**

**校优秀毕业生 3 次**

实验室安全技能大赛一等奖

## 四、教学情况

“海岸带资源学研究进展”课程助教

## 五、科研项目

1. **国家重点研发计划：**“东北盐碱地生态治理关键技术研发与集成示范”课题的子课题“松嫩平原苏打盐碱地经济植物生态产业技术集成与示范”【2016YFC0501200】，参与
2. **江苏省碳达峰碳中和科技创新专项资金 农业农村领域重大关键技术攻关项目：**江苏沿海滩涂土壤脱盐改良与固碳增汇关键技术研究【BE20222304】，参与
3. **内蒙古自治区科技成果转化专项资金项目：**内蒙古矿区与盐碱地菊芋生态修复技术研究应用【2020CG0057】，参与
4. **江苏省林业科技创新与推广 重大集成示范项目：**沿海盐碱困难立地生态防护林营建技术集成与示范【LYKJ[2019]07】，参与
5. **江苏省重点研发计划项目：**江苏沿海盐土区稻田绿色高效综合种养技术集成创新与示范【BE2018387】，参与
6. **江苏省科研院校农技推广服务试点项目：**江苏沿海生态高值农业技术示范与推广【TG(17)004】，参与
7. **横向项目：**部级园艺项目-茶叶技术服务，主持
8. **横向项目：**田间试验技术服务，主持
9. **横向项目：**田间试验技术服务，主持

## 六、发表论文

[1] **Tianyun Shao**, Lingling Li, Yawen Wu, Manxia Chen, Xiaohua Long, Hongbo Shao, Zhaopu Liu, Zed Rengel. Balance between salt stress and endogenous hormones influence dry matter accumulation in Jerusalem artichoke. Science of the Total Environment, 2016, 568: 891-898.

[2] Xiaohua Long, Liping Liu, **Tianyun Shao**, Hongbo Shao, Zhaopu Liu. Developing and sustainably utilize the coastal mudflat areas in China. Science of the Total Environment, 2016, 569-570: 1077-1086.

[3] Minfeng Gu, Niu Li, **Tianyun Shao**, Xiaohua Long, M. Brestič, Hongbo Shao, J.B. Li, S. Mbarki. Accumulation capacity of ions in cabbage (*Brassica oleracea* L.) supplied with sea water. Plant, Soil and Environment, 2016, 7: 314-320.

[4] Lingling Li[1], **Tianyun Shao[1]**, Hui Yang, Manxia Chen, Xiumei Gao, Xiaohua Long, Hongbo Shao, Zhaopu Liu, Zed Rengel. The endogenous plant hormones and ratios regulate sugar and drymatter accumulation in Jerusalem artichoke in salt-soil. Science of the Total Environment, 2017, 578: 40-46.

[5] **Tianyun Shao**, Jianjing Zhao, Tingshuo Zhu, Manxia Chen, Yawen Wu, Xiaohua Long, Xiumei Gao. Relationship between rhizosphere soil properties and blossom-end rot of tomatoes in coastal saline-alkali soil. Applied Soil Ecology, 2018, 127: 96-101.

[6] Niu Li, **Tianyun Shao**, Tingshuo Zhu, Xiaohua Long, Xiumei Gao, Zhaopu Liu, Hongbo Shao, Zed Rengel. Vegetation succession influences soil carbon sequestration in coastal alkali-saline soils in southeast China. Scientific Reports, 2018, 8: 9728.

[7] Qiuhong Yu, Jianjing Zhao, Zhikun Xu, Yongwen Chen, **Tianyun Shao**, Xiaohua Long, Zhaopu Liu, Xiumei Gao, Zed Rengel, Jianfeng Shi, Jing Zhou. Inulin from Jerusalem artichoke tubers alleviates hyperlipidemia and increases abundance of bifidobacteria in the intestines of hyperlipidemic mice. Journal of Functional Foods, 2018, 40: 187-196.

[8] **Tianyun Shao**, Xinyue Gu, Tingshuo Zhu, Xiaotian Pan, Ye Zhu, Xiaohua Long, Hongbo Shao, Manqiang Liu, Zed Rengel. Industrial crop Jerusalem artichokere stored coastal saline soil quality by reducing salt and increasing diversity of bacterial community. Applied Soil Ecology, 2019, 138: 195-206.

[9] Sujuan Chen, Ye Zhu, **Tianyun Shao**, Xiaohua Long, Xiumei Gao, Zhaosheng

Zhou. Relationship between rhizosphere soil properties and disease severity in highbush blueberry (*Vaccinium corymbosum*). Applied Soil Ecology, 2019, 137: 187-194.

[10] **Tianyun Shao**, Qiuhong Yu, Tingshuo Zhu, Anhong Liu, Xiumei Gao, Xiaohua Long, Zhaopu Liu. Inulin from Jerusalem artichoke tubers alleviates hyperglycemia in high-fat-diet-induced diabetes mice through the intestinal microflora improvement. British Journal of Nutrition, 2020, 123: 308-318.

[11] **Tianyun Shao**, JianJing Zhao, Anhong Liu, Xiaohua Long, Zed Rengel. Effects of soil physicochemical properties on microbial communities in different ecological niches in coastal area. Applied Soil Ecology, 2020, 150: 103486.

[12] Zhikun Xu[1], **Tianyun Shao[1]**, Zixuan Lv, Yang Yue, Anhong Liu, Xiaohua Long, Zhaosheng Zhou, Xiumei Gao, Zed Rengel. The mechanisms of improving coastal saline soils by planting rice. Science of the Total Environment, 2020, 703(10): 135529.

[13] Yang Yue, **Tianyun Shao**, Xiaohua Long, Tengfei He, Xiumei Gao, Zhaosheng Zhou, Zhaopu Liu, Zed Rengel. Microbiome structure and function in rhizosphere of Jerusalem artichoke grown in saline land. Science of the Total Environment, 2020, 724: 138259.

[14] Tingshuo Zhu[1], **Tianyun Shao[1]**, Jingyi Liu, Na Li, Xiaohua Long, Xiumei Gao, Zed Rengel. Improvement of physico-chemical properties and microbiome in different salinity soils by incorporating Jerusalem artichoke residues. Applied Soil Ecology, 2021, 158: 103791.

[15] Ye Zhu, **Tianyun Shao**, Yujie Zhou, Xun Zhang, Xiumei Gao, Xiaohua Long, Zed Rengel. Periphyton improves soil conditions and offers a suitable environment for rice growth in coastal saline alkali soil. Land Degradation & Development, 2021, 32(9): 2775-2788.

[16] Na Li, **Tianyun Shao**, Yujie Zhou, Yuchen Cao, Huiying Hu, Qingkai Sun, Xiaohua Long, Yang Yue, Xiumei Gao, Zed Rengel. Effects of planting *Melia azedarach* L. on soil properties and microbial community in saline-alkali soil. Land Degradation & Development, 2021, 32(10): 2951-2961.

[17] **Tianyun Shao**, Xiaohua Long, Yuqing Liu, Xiumei Gao, Manqiang Liu, Zed Rengel. Effect of industrial crop Jerusalem artichoke on the micro-ecological rhizosphere environment in saline soil. Applied Soil Ecology, 2021, 166: 104080.

[18] Xiaoming Yin, Xiaohua Long, **Tianyun Shao**. Effect of inorganic nitrogen and

phosphorous on morphology, ion uptake and photosynthesis activity in Jerusalem artichoke plants under salt stress. Journal of Plant Nutrition, 2022, 45(9): 1378-1392.

[19] Yujie Zhou, Yuqing Liu, Xun Zhang, Xiumei Gao, **Tianyun Shao**, Xiaohua Long, Zed Rengel. Effects of soil properties and microbiome on highbush blueberry (*Vaccinium corymbosum*) growth. Agronomy, 2022, 12(6), 1263.

[20] Huiying Hu, **Tianyuan Shao**, Xiumei Gao, Xiaohua Long, Zed Rengel. Effects of planting quinoa on soil properties and microbiome in saline soil. Land Degradation Development, 2022, 1-10.

[21] Yujie Zhou, **Tianyun Shao**, Guotao Men, Jiahao Chen, Na Li, Xiumei Gao, Xiaohua Long, Zed Rengel, Ming Zhu. Application of malrstone-based conditioner and plantation of Jerusalem artichoke improved properties of saline-alkaline soil in Inner Mongolia. Journal of Environmental Management, 2023, 329, 117083.

[22] **Tianyuan Shao**, Yongwen Chen, Xiumei Gao, Zhaosheng Zhou, Xiaohua Long, Zed Rengel. Salt stress affects the biomass of industrial crop Jerusalem artichoke by affecting sugar transport and metabolism. Heliyon, 2023, 9: e14107.

[23] Haihou Wang, **Tianyuan Shao***, Yujie Zhou, Xiaohua Long, Zed Rengel. The effect of biochar prepared at different pyrolysis temperatures on microbially driven conversion and retention of nitrogen during composting. Heliyon, 2023, 9: e13698.

## 八、专利、软著、标准成果

1. **计算机软件著作权：**盐碱地土壤空隙智能识别系统 V1.0.（2018SR074781）
2. **江苏省地方标准：**沿海滩涂盐碱地菊芋栽培技术规程（DB 32/T 3631-2019）
3. **国家发明专利：**一种盐碱土壤增效改良剂及其制备方法和应用（ZL 2018 1 0961893.4）
4. **国家发明专利：**一种用于滨海重度粘性盐渍土壤覆绿的方法及其

应用（ZL 2020 1 0788015.4）

5. **国家实用新型专利：**一种应用于盐碱地改良堆肥的实验室模拟反应装置（ZL 2021 2 1681205.2）
6. **国家实用新型专利：**一种研究盐碱土盐分淋洗效率的装置（ZL 2019 2 0549238.8）