



INSTITUTE OF AGRICULTURAL RESOURCES
AND REGIONAL PLANNING , CAAS

Li Xiaobin



Professor



Ph.D. Supervisor



86-13651222384



lixiaobin01@caas.cn



Innovation Team of Saline-alkali Soils Amelioration, IARRP, CAAS



Dongpei Building, 12 Zhongguancun Nandajie Street, Haidian District, Beijing, China

Research Interests

- Agricultural utilization of saline alkali land
- Vegetation construction in saline alkali land
- Saline/brackish water drip irrigation
- Agricultural water-saving theory and technology

Publication

Reclamation of very coastal saline soil using drip-irrigation with saline water on salt-sensitive plants, *Soil & Tillage Research*, 2015, DOI: 10.1016/j.still.2014.10.005

First and second-year assessments of the rapid reconstruction and re-vegetation method for reclaiming two saline-sodic, coastal soils with drip-irrigation, *Ecological Engineering*, 2015, DOI: 10.1016/j.ecoleng.2015.09.004

Chinese rose (*Rosa chinensis*) growth and ion accumulation under irrigation with waters of different salt contents, *Agricultural Water Management*, 2016, DOI:10.1016/j.agwat.2015.09.020

Ion concentration changes in plants of varying tolerance under saline environment, *Agronomy Journal*, 2019, DOI:10.2134/agronj2018.11.0702



Vegetation establishment in coastal salt-affected wasteland using drip-irrigation with saline water, Land Degradation & Development, 2019, DOI: 10.1002/ldr.3324

Agricultural utilization and vegetation establishment on saline-sodic soils using a water-salt regulation method for scheduled drip irrigation, Agricultural Water Management, 2020, DOI: 10.1016/j.agwat.2019.105995

Effect of natural and artificial afforestation reclamation on soil properties and vegetation in coastal saline silt soils, Catena, 2021, DOI: 10.1016/j.catena.2020.105066

Using saline water drip irrigation and soil matric potential control for trss establishment in coastal saline soil, Ecological Engineering, 2021, DOI: 10.1016/j.ecoleng.2021.106337

Planting trees in saline soil using ridge cultivation with drip irrigation in an arid region of China, Land Degradation & Development, 2022, DOI: 10.1002/ldr.4182

Evaluation analysis of the saturated paste method for determining typical coastal saline soil salinity, Soil & Tillage Research, 2023, DOI: 10.1016/j.still.2022.105549