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Research Interests

- **Mechanism of remediation for heavy metal contaminated soils**
- **Treatment of polluted farmland and technology of safe agricultural production**
- **Developing analytical techniques and formulating agricultural criteria**

Publication

Cadmium absorption and translocation of amaranth (Amaranthus mangostanus L.) affected by iron deficiency,Environmental Pollution,2020,DOI:10.1016/j.envpol.2019.113410

Effect of Wheat-Solanum nigrum L. intercropping on Cd accumulation by plants and soil bacterial community under Cd contaminated soil,Ecotoxicology and Environmental Safety ,2020,DOI:10.1016/j.ecoenv.2020.111383

Cellular distribution of cadmium in two amaranth (Amaranthus mangostanus L.) cultivars differing in cadmium accumulation, Environmental Science and Pollution Research, 2019, DOI:10.1007/s11356-019-05390-w

Effect of different forms of N fertilizers on the hyperaccumulator Solanum nigrum L. and maize in intercropping mode under Cd stress(CN),RSC advances,2018, DOI:10.1039/c8ra07151a

Effective stimulation of phytoremediation of Amaranshus mangostanus L. in cadmium

contaminated soils through reasonable phosphorous fertilizer rate(CN),Journal of Plant Nutrition and Fertilizers, 2020, DOI:10.11674/zwyf.19109

Effects of different nitrogen fertilizers on cadmium accumulation of Amaranshus mangostanus L. in different soil types(CN),Soil and Fertilizer Sciences in China, 2020, DOI:10.11838/sfsc.1673-6257.19273

Study on the accumulating characteristics of heavy metal cadmium by hyperaccumulator and non-hyperaccumulator under intercropping(CN),Soil and Fertilizer Sciences in China,2019, DOI:10.11838/sfsc.1673-6257.18291

Study on effects 0f Cd uptake and transportation on maize by different hyperaccumu1ator and accumu1ators intercropping systems.(CN), Earth Science Frontiers, 2019, DOI:10.13745/j.esf.sf.2018.12.15

Difference of the cadmium uptake by competition between Zea mays L.and Solanum nigrum L. under different nitrogen fertilizer levels(CN),Journal of Plant Nutrition and Fertilizers,2018, DOI: 10.11674/zwyf.18101

Effects of different sulfur fertilizers on cadmium accumulation in Amaranshus mangostanus L.(CN),Journal of Agro-Environment Science,2018, DOI:10.11654/jaes.2018-0164