

Distribution and Elimination of Lead Species in Soils Related to GAP of Chinese Medicinal Materials of Ligusticum Chuanxiong Hort

DENGTian-long,JIAMin-ru,LIAOMeng-xia

College of Materials and Bioengineering, Chengdu University of Technology, Chengdu 610059, China; College of Pharmacology, Chengdu University of Trad

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摘要 In this paper, the sequential extraction procedure was used for the selection of fractions of lead in seven stages corresponding to lead exchangeable, lead bounded to carbonates, to manganese oxides, to organic matters, to amorphous iron, and lead associated to crystallized iron, and to residuals. The vertical distributions of lead species were carried out in the soils related to good agriculture progress (GAP) of Chinese medical materials of Ligusticum chuanxiong Hort in Dujiangyan city and Wenchuan County, Sichuan Province. Based on those researches, it is found that the plant of Glycine Max (L.) Merr. has the character of lead enrichment and sorption, which is not reported in the literature. Using Glycine Max (L.) Merr. alternate planting with Ligusticum chuanxiong Hort is a valuable recommended in order to produce a high quality Chinese medical materials in order to iminate the barrier on the beyond the lead limit for the import and export of Ligusticum chuanxiong Hort.

关键词 [Chinese medical; Materials; Phytoremediation; Soils; Leadspeiation](#)

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通讯作者:

作者个人主页: [DENGTian-long](#); [JIAMin-ru](#); [LIAOMeng-xia](#)

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