



云南木香花天然居群的表型多样性研究

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A study on phenotypic diversities in the natural population of *Rosa banksiae* Ait. in Yunnan

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全文: PDF (661 KB) HTML (1 KB) 输出: BibTeX | EndNote (RIS) 背景资料

摘要 在云南天然分布区选择5个有代表性的木香花居群为研究对象,应用居群生物学的原理和方法对木香花的15个表型性状进行多样性分析.结果表明:木香花表型性状在居群间和局群内存在广泛的变异,15个性状的F值范围为1.92~370.6,绝大多数性状在居群间和居群内均达到显著或极显著水平;平均表型分化系数为61.10%,居群间变异(35.92%)大于居群内变异(20.44%),说明居群间的变异是木香花的主要变异来源;对其地理因子与15个表型性状相关性分析表明经度对性状的影响较大;利用群体间欧氏距离进行的UPG-MA聚类分析结果显示,5个天然群体可以划分为2类.

关键词: 木香花 居群 表型多样性 蔷薇属

Abstract: 15 phenotypic characters of *Rosa banksiae* from five natural populations in Yunnan were analyzed applying the population biological theories and methods. The results showed that variation was widely distributed among and intra-populations, F value of the 15 characters were from 1.92 to 370.6, and most traits were quite significantly or significantly diversified both among and within populations; The mean phenotypic differentiation coefficient of the 15 characters was 61.10%, and the variation among populations was higher, which indicated that the variation among populations was the main source of the phenotypic variation; The Correlation analysis showed that most characters were affected by different latitudes; Five natural populations was arranged into 2 groups by UPGMA cluster analysis.

Key words:

收稿日期: 2009-09-22;

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引用本文:

陈玲,张颢,邱显钦等. 云南木香花天然居群的表型多样性研究[J]. 云南大学学报(自然科学版), 2010, 32(2): 243-248 .

\$author.xingMing_EN, \$author.xingMing_EN, \$author.xingMing_EN et al. A study on phenotypic diversities in the natural population of *Rosa banksiae* Ait. in Yunnan[J]. , 2010, 32(2): 243-248 .

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编辑出版：云南大学学报编辑部（昆明市翠湖北路2号，650091）

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