

研究论文

藏药文献研究与分析

孟珍贵, 王雨华, 杨永平, 许建初

中国科学院昆明植物所民族植物学研究室, 云南 昆明 650204

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摘要 对14部著作和所收集的543篇文献进行的分类统计分析, 总结出新中国成立后我国藏药研究热点发展的一般规律, 即: 资源调查→组织学研究→植化成分分析→药理研究和临床观察; 为从事藏药研究的学者了解和把握藏药的研究热点和发展趋势提供依据, 并建议应加强当地藏族学者的参与和对藏药的跨学科综合研究。

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分类号

DNA Molecular Evidences of the Hybrids between *Paeonia rockii* and *P. suffruticosa* Based on ISSR Markers

SUO Zhi Li, ZHANG Hui Jin, ZHANG Zhi Ming, CHEN Fu Fei, CHEN Fu Hui

Institute of Botany, Chinese Academy of Sciences, Beijing 100093, China; Peace Peony Garden, Lanzhou 730101, China

Abstract

Paeonia rockii is considered to be one of the main progenitors of Chinese tree peony cultivars, and hybridization is likely to be the most important way for incorporation of genetic composition of *P. rockii*. However, no molecular evidence has shown relatedness of woody peony cultivars to *P. rockii* so far. In this study, *P. rockii* was used as a maternal parent crossing with other three Chinese woody peony cultivars (*P. suffruticosa* ‘Hai Tang Zheng Rong’, *P. suffruticosa* ‘Yan Zhi Hong’ and *P. suffruticosa* ‘Sheng Dan Lu’) as paternal parents. The relationships between the F1 hybrids and their parents were analyzed using ISSR (Inter simple sequence repeat) markers. Our results showed that ISSR fragments present in both parents were detected in the genomes of the F1 generation. Therefore, it is possible that some Chinese woody peony cultivars with a large black purple blotch at the lower part of petals originated through hybridization with *P. rockii* as a parent. Our results also suggest that ISSR markers are useful for identification of hybrids and classification of cultivars.

Key words [Paeonia rockii](#); [P. suffruticosa](#); [Hybridization](#); [ISSR Marker](#); [Cultivar identification](#)

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