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铁皮石斛良种选育进展与对策

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中文摘要:品种是中药材规范化栽培的源头,"十五"以来,随着铁皮石斛产业的快速发展,良种需求的增加,铁皮石斛品种选育开展了大量的研究,并取得了显著成效。文章系统地阐述了铁皮石斛种质资源收集与差异性评价、良种选育理论与实践、种苗组织培养与低碳高效生产、DNA分子标记与辅助育种等进展,分析了当前良种选育中存在的主要问题,提出进一步开展良种选育的重点与关键。

中文关键词:铁皮石斛 种质资源 良种选育 种内杂交 组织培养

Progress and countermeasures of *Dendrobium officinale* breeding

Abstract:The standardized cultivation of Chinese medicinal materials is based on variety. With the rapid development of *Dendrobium officinale* industry and increasing demand of improved varieties, many studies have concentrated on the variety breeding of *D. officinale* and subsequently achieved remarkable success. This paper systematically expounds the research progress of *D. officinale* breeding, e.g. the collection and differentiated evaluation for germplasm, theory and practice for variety breeding, tissue culture and efficient production with low-carbon for germchit, and DNA molecular marker-assisted breeding, and then indicates the main problems of the current breeding of *D. officinale*. Furthermore, the priorities and keys for the further breeding of *D. officinale* have been pointed out.

keywords:[Dendrobium officinale](#) [germplasm](#) [breeding](#) [intraspecific hybridization](#) [tissue culture](#)

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