

杨属(*Populus* L.)种质资源遗传学评价研究进展

栾鹏慧, 苏晓华, 张冰玉**

中国林业科学研究院林业研究所国家林业局林木培育重点实验室, 北京 100091

Research Progress in Genetic Evaluation of *Populus* L. Germplasm Resources

Hehui Luan, Xiaohua Su, Bingyu Zhang**

Key Laboratory of Tree Breeding and Cultivation, State Forestry Administration, Research Institute of Forestry, Chinese Academy of Forestry, Beijing 100091, China

摘要

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摘要 杨属(*Populus* L.)种质资源极其丰富, 为了有效保存、合理利用杨属种质资源, 国内外开展了大量的种质资源遗传学评价研究。该文在介绍杨树系统分类的基础上, 概述了白杨派、青杨派和黑杨派等在生物学特性、抗性(耐盐、抗旱、抗冻及抗病虫)、适应性及DNA遗传多态性等方面的遗传学评价研究进展, 重点讨论了杨树种质资源评价研究中存在的问题和不足, 并对其研究前景进行了展望。

关键词: 遗传学评价 种质资源 杨属 研究进展

Abstract: The natural genetic resources of poplar (*Populus* L.) are abundant. To effectively preserve and use these genetic resources, genetic evaluation has been carried out worldwide. From the classification of poplar, we briefly summarize the progress in genetic evaluation of poplar resources in terms of biological characteristics, resistant traits (resistance to salt, drought, frost, disease and pests), adaptability and genetic polymorphism of DNA. In addition, we discuss the problems in genetic evaluation of poplar and suggest research in this area.

Keywords: genetic evaluation germplasm *Populus* L. research progress

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Corresponding Authors: 张冰玉 Email: byzhang@caf.ac.cn

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