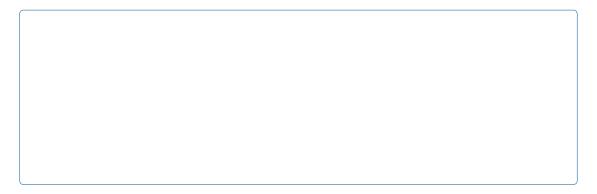
Exploring the Potential of Anther Culture for Generating Haploid Plants in Agricultural Biotechnology

Sati Kutras*

Department of Agriculture Faculty, University of Selcuk, Turkey



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Introduction

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Results and Discussion

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Haploid Plants in Agricultural Biotechnology. J Plant Genet Breed 8: 232. techniques and advancements in anther culture, emphasizing its potential in producing homozygous lines rapidly and

ef ciently. We discuss the critical factors infuencing successful anther culture, including the choice of donor plants, culture media composition, and environmental conditions. Recent developments in protocols and technologies, such as the use of growth regulators and optimized culture environments, have significantly improved the eficiency of haploid induction. Case studies highlight successful applications of anther culture in key crops, demonstrating its impact on trait improvement and disease resistance. By harnessing the potential of anther culture, researchers

Conclusion