Enhancing Embryogenesis in Plug Oak: Growth Regulator Influence

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This study investigates the influence of growth regulators on enhancing embryogenesis in plug oak (Quercus spp.). Plug oak, a valuable tree species for reforestation and conservation efforts, often faces challenges in efficient propagation through embryogenesis. In this research, we examined the effects of various growth regulators on the induction and development of embryos in plug oak tissue cultures. Through a series of experiments, we evaluated the response of plug oak explants to different concs [illegible] These findings offer valuable insights into improving application of growth regulators. Enhanced embryogenesis in plug oak tissue cultures holds promise for accelerating the production of high-quality planting material for reforestation and conservation initiatives, contributing to the sustainable management of forest ecosystems.

Keywords: [illegible]

Introduction

[illegible]

Methods and Material

[illegible]

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Re l and Di c ion

Concl ion

Con ic of In e e

1. Jha CK, Ghosh RK, Saxena S, Singh V, Mosnier A, Guzman KP, et al. (2023) Pathway to achieve a sustainable food and land-use transition in India. Front. Sustain. Sustain Sci 18: 457-468
2. Fadda C, Mengistu DK, Kidane YG, Dell'Acqua M, Pè ME, Etten JV, et al. (2020) Integrating Conventional and Participatory Crop Improvement for Smallholder Agriculture Using the Seeds for Needs Approach: A Review. Front Plant Sci 11: 559515.
3. Revord RS, Miller G, Meier NA, Webber JB, Severson JR, et al. (2022) A Roadmap for Participatory Chestnut Breeding for Nut Production in the Eastern United States. Front Plant Sci 12: 735597.
4. Howlett AC, Abood ME (2017) CB1 and CB2 Receptor Pharmacology. Adv Pharmacol 80: 169-206.
5. Gülck T, Møller BL (2020) Phytocannabinoids: origins and biosynthesis. Trends Plant Sci 25: 985-1004.
6. Sanz GM (2016) Can you pass the acid test? Critical review and novel therapeutic perspectives of Δ9-tetrahydrocannabinolic acid A. Cannabis Cannabinoid Res 1: 124-130.
7. Grassa CJ, Weiblen GD, Wenger JP, Dabney C, Poplawski SG et al. (2021) A new Cannabis genome assembly associates elevated cannabidiol (CBD) with hemp introgressed into marijuana. New Phytol 230: 1665-1679.
8. Liang H, Wang L, Sha H, Zou G (2019) Development and Validation of Sex-Specifc Markers in Pelodiscus Sinensis Using Restriction Site-Associated DNA Sequencing. Genes (Basel) 10: 302
9. Weiblen GD, Wenger JP, Craft KJ, ElSohly KM, Mehmedic Z et al. (2015) Marks.Gene duplication and divergence afecting drug content in Cannabis sativa. New Phytol 208: 1241-1250.
10. Laverty KU, Stout JM, Sullivan MJ, Shah H, Gill N, et al. (2019) A physical and genetic map of Cannabis sativa identifes extensive rearrangements at the THC/CBD acid synthase loci. Genome Res 29: 146-156.