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
of

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Somatic Embryogenesis From Mature Seed Cultures of *Pistacia atlantica*

Ahmet ONAY

Dicle University, Faculty of Science and Art, Department of Biology, Diyarbakır-
TURKEY

 [Keywords](#)
 [Authors](#)



agric@tubitak.gov.tr

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Abstract: Embryogenic mass was produced from kernels of mature fruits of *Pistacia atlantica* cultured in liquid Murashige and Skoog media, supplemented with 100 mg/l casein hydrolysate, 100 mg/l l-ascorbic acid, and benzylaminopurine (BAP). Embryogenic mass-es were differentiated directly from the kernel explants after culture for 3 weeks in liquid medium with 0.5-4 mg/l benzylaminop-urine. After transfer of the embryogenic masses into the same medium, but after a few subcultures with benzylaminopurine, somat-ic embryos appeared. Clusters of somatic embryos were transferred to the agar solidified MS medium for maturation. Matured somatic embryos, germinated on the maturation medium without growth regulators, developed into plantlets. Abbreviations: 2,4-D - 2,4-dichlorophenoxyacetic acid; BAP - benzylaminopurine (N 6 -benzyladenine); EMS -embryogenic mass; IAA - Indole-3-acetic asid; MS - Murashige and Skoog medium; NAA - a- naphthalene acetic acid; PGR - plant growth regulator; SE(s) -somatic embryo (s);

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