Reactivitatea morfogenetică a explantelor cultivate in vitro în funcție de mediul nutritiv pentru câteva soiuri de gutui, in faza de inițierea a culturii

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The goal of this experience is to determine the nutritive mediums specific to quince tree cultivars (Moldovenesti, Aurii, Aromate). I studied the growing capacity of quince tree explants function of the nutritive medium structure and genotype. The 4 culture media (basic) we studied are Murashige-Skoog (MS), Fossard (F), Lepoivre (L), Woody Plant Medium (WPM). Nutritive media used to initiate the culture: basic media were supplemented with dextrose (40g/l), IBA (0.1ml/l), AG3 (1ml/l), Na Fe EDTA (3.2ml/l). In nutritive medium B.1 (MS) we obtained the best results in quince tree cultivars taken for research, the determining part being of the vitamin complex we used and of the hormonal balance achieved by giberelic acid 1mg/l and IBA 0.1mg/l. The quince tree cultivars Moldovenesti are on top in nutritive medium with 65% grown explants, being excellent in nutritive medium B.4 (WPM) with 75% grown explants.