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In vitro Culture of Mosses: *Aloina aloides* (K.F.Schultz) Kindb., *Brachythecium velutinum* (Hedw.) B.S. & G., *Ceratodon purpureus* (Hedw.) Brid., *Eurhynchium praelongum* (Hedw.) B.S. & G. and *Grimmia pulvinata* (Hedw.) Sm.

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Abstract: In vitro cultures of five moss species were established on hormone-free MS medium, or on MS medium supplemented with different concentrations of 2,4-dichlorophenoxyacetic acid and kinetin. In vitro culture of *Eurhynchium praelongum* (Hedw.) B., S. & G., has been initiated from the apical shoots of the gametophytes, and the cultures of *Aloina aloides* (K.F.Schultz) Kindb. *Brachythecium velutinum* (Hedw.) B., S. & G., *Ceratodon purpureus* (Hedw.) Brid. and *Grimmia pulvinata* (Hedw.) Sm. were initiated from the spores of immature sporophytes. In secondary protonema culture of *Eurhynchium praelongum*, spontaneous regeneration occurred successfully. Protonema cultures of *Aloina aloides*, *Brachythecium velutinum* and *Ceratodon purpureus* reversed to caulonema culture where bud formation occurred. *Grimmia pulvinata* cultures remained at the protonema stage.

Key Words: mosses, in vitro culture, *Aloina aloides*, *Brachythecium velutinum*, *Ceratodon purpureus*, *Eurhynchium praelongum*, *Grimmia pulvinata*

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