

Field Cultivation of *Hypnea* (Rhodophyta) Spores for Carrageenan: Prospects and Problems

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Abstract

Carpospores and tetraspores of *Hypnea cervicornis* J, Agardh have been cultivated in the field. These developed into adult fronds in three months. This implies that where nutrients or other environmental factors are not limiting, it is possible to raise four harvestable crops of *Hypnea* from spores per year. Since carpospores gave rise to tetrasporophytes and tetraspores produced gametophytes, it was concluded that the life history of the species is of the Poly-siphonia-type