

Comparative Germination Studies in Mature Seeds of *Haloxylon Salicornicum*

Authors : Laila Almulla

Abstract : As native plants are better adapted to the local environment, can endure long spells of drought, withstand high soil salinity levels and provide a more natural effect to landscape projects, their use in landscape projects are gaining popularity. Standardization of seed germination methods and raising the hardened plants of selected native plants for their use in landscape projects will both conserve natural resources and produce sustainable greenery. In the present study, *Haloxylon salicornicum*, a perennial herb with a potential use for urban greenery was selected for seed germination tests as there is an urgent need to mass multiply them for their large-scale use. Among the nine treatments tried with different concentrations of gibberelic acid (GA3) and dry heat, the seeds responded with treatments when the wings were removed. The control as well as 250 GA3 treatments produced the maximum germination of 86%.

Keywords : dormancy, gibberelic acid, germination trays , vigor index

Conference Title : ICEBESE 2014 : International Conference on Environmental, Biological, Ecological Sciences and Engineering

Conference Location : Copenhagen, Denmark

Conference Dates : June 12-13, 2014