

Title Effect of hot water, sulphuric acid and nitric acid on the germination of rose seeds
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Abstract

Rose seeds exhibit difficulties in terms of germination due to strong dormancy. The aim of this investigation was to use different treatments such as hot water (98°C for 24 hours), 50% sulphuric acid for 30, 60 and 90 seconds, and 65% nitric acid for 30, 60 and 90 seconds to get the best treatment to allow the highest germination rate. The data were statistically analyzed using analysis of variance and means were compared by DMR test at 5% probability. The results showed that treating rose seeds with sulphuric acid for 30, 60 and 90 seconds broke the dormancy of rose seeds and enhanced the germination rate and duration as compared to other treatments. No significant effect of the nitric acid and hot water treatments was observed.