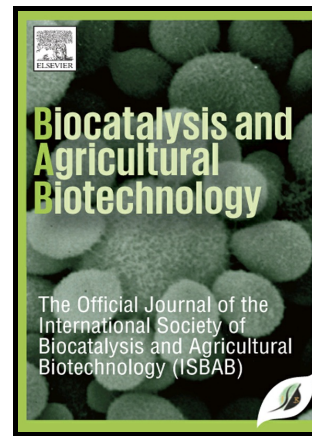


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# Effect of light, temperature, salt stress and pH on seed germination of medicinal plant *Origanum elongatum* (Bonnet) Emb. & Maire

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## Abstract

*Origanum elongatum* is one of the most important medicinal plants in Morocco. The overexploitation by local inhabitants and the climate changes made this species highly threatened. Seed germination is one of the easiest solutions to save medicinal plants. However, the success of such operation depends in several factors. The aim of this study was to investigate the effect of temperature, light, darkness, pH and salinity stress on *O. elongatum* seeds germination. Mature seeds were isolated from *O. elongatum* harvested from Tamsamani area belonging to Driouch province (North-east of Morocco) at post-flowering stage. The *in vitro* seed germination tests were carried out in Petri dishes. The influence of the above parameters was evaluated by following the evolution of germination over time. The results showed that the temperature range between 15 and 20 °C at light using an aqueous medium were more suitable for germination of *O. elongatum* seeds. The optimum pH ranged between 6 and 7. Finally,

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