SEED GERMINATION BEHAVIOUR OF CANNABIS SATIVA L. UNDER DIFFERENT TEMPERATURE REGIMES

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Abstract: Cannabis sativa L. (Cannabaceae) is one of the earliest cultivated plant, containing many of the valuable natural components useful for health as well as livelihood. Cultivation of Cannabis is done by sowing its seeds in the field provided with favourable physical and chemical parameters for germination. In this study, optimum temperature and time required for germination of Cannabis seeds collected from Kausani, Uttarakhand have been studied at various temperatures under the controlled laboratory conditions. The percentage of germination, germination energy and seedling vigor index I and II was reported maximum at a constant temperature of ‘25°C’ with having 3rd–4th and 6th day as its first and final count day, respectively. Therefore, it is suggested to the researchers/cultivators to raise the nursery of Cannabis sativa L. seed at ‘25°C’ to achieve healthy and maximum seedlings of the crop.

Keywords: Hemp, THC, CBD, Germination potential, Seedling vigor

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