

ALLELOPATHIC EFFECT OF *FAGOPYRUM* PLANT EXTRACTS ON CROP SEED SPECIES

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Allelopathic effect of Fagopyrum dibortys D. Don leaves on Brassica and Dolichos seeds was analysed by physiological and biochemical approaches. Some reliable indices were taken as the major findings of the experimental plant species. It was concomitant from the detailed experimental procedures of reliable indices from the extracts of the Fagopyrum leaves (1:1 and 1:2) show positive allelopathic potential. Initially the leaf extracts (1:1 and 1:2) of Fagopyrum reduced the germinability of Brassica and Dolichos seeds in which percentage germination and T_{50} values were analysed. Such leaf extract-induced biochemical changes associated with increased leaching of soluble carbohydrate and amino acid content from the experimental seed species were also analysed.

Keywords: *Allelopathy, Fagopyrum, Brassica, Dolichos, seed germination, leaf extract*
