

ALLELOPATHIC EFFECT OF DIFFERENT CONCENTRATIONS OF AQUEOUS EXTRACT OF *AZADIRACHTA INDICA* (NEEM) LEAF ON SEED GERMINATION OF SOME PULSES

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Abstract: The present study aimed at evaluating the allelopathic effect of aqueous extract of *Azadirachta indica* leaf on seed germination of some pulses. The aqueous leaf extracts reduced the % germination, shoot/root length, fresh/dry weight and vigour index of seedlings. It also increased the mean germination time of seeds. The allelopathic effect of aqueous leaf extracts of *Azadirachta indica* increased with increase in the concentration. These result revealed that the inhibitory effect might be due to the presence of some allelochemicals in the aqueous leaf extracts of *Azadirachta indica*.

Keywords: Extract, *Azadirachta indica*, Seed germination, Pulses

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