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Germination Ecology of Two Savanna Tree Species, *Tamarindus indica* and *Prosopis africana*

Idu MacDonald, A. C. Omonhinmin and I. A. Ogboghodo

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PREVIEW

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Abstract

Various methods of seed scarification including concentrated sulphuric acid, alcohol; methanol, ethanol, iso-propanol, butanol and hot water (100°C), were applied on seeds of *Tamarindus indica* L. and *Prosopis africana* Guill and Peri., to improve germination and assess seed vigor. The highest germination and germination energy (Germ. En.) for *T. indica* occurred following pre-treatment in methanol for 10 minutes (70% germination; 42, Germ. En.), while better response was obtained for *P. africana* following pretreatment in ethanol for 10 minutes (58% germination; 38, Germ. En.), and Conc. H₂SO₄, for 5 minutes (60% germination; 38, Germ. En.).

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