



Influence of testing media on seed germinability and seedling traits in seven medicinal plants

T. SIVA JYOTHI*, K.V.S. MEENA KUMARI¹ AND R. ANKAIAH²

Seed Research and Technology Centre, Acharya N.G. Ranga Agricultural University, HYDERABAD (A.P.) INDIA
(Email : [jyothi18aug@gmail.com](mailto: jyothi18aug@gmail.com); [coe_angrau@rediffmail.com](mailto: coe_angrau@rediffmail.com); [adr_rars_akp@yahoo.com](mailto: adr_rars_akp@yahoo.com))

Abstract : A lab experiment was conducted at the Seed Research and Technology centre of Acharya N.G. Ranga Agricultural University, Rajendra Nagar, Hyderabad during 2007-2008 to evaluate the influence of testing media on seed germinability and seedling traits in seven medicinal plants. The seeds of these crops were tested on four media to know their germination potential. The germination percentage varied with testing medias and genotypes. Top of paper method was very effective in recording higher germination for Isabgol(87.9%), Kalmegh(88.2%), Senna (94.4%) and Ashwagandha (74.7%). While, Podapatri gave maximum germination (53.7%) on between paper method. Sand (86.0%) and bp (85.0%) methods for Dulagandi and sand method (81.7%) for Tulsi were found very effective to obtain higher germination. Seedling vigour index on length basis differed with testing medias and genotypes. Top of paper method for Ashwagandha and Kalmegh, sand for Dulagandi, Podapatri and Tulasi, between paper for Isabgol and Senna were effective to obtain higher seedling vigour index on length basis. Soil was found very effective for obtaining higher seedling vigour index II for Ashwagandha, Dulagandi, Isabgol and Kalmegh, between paper for Podapatri and Senna. Sand for Tulasi gave maximum seedling vigour index on dry weight basis.

Key Words : Medicinal Plants, Testing media, Germination percentage, Seedling traits

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* **Author for correspondence**

¹Acharya N.G. Ranga Agricultural University, HYDERABAD (A.P.) INDIA

²Regional Agricultural Research Station, Anakapalle, VISHAKHAPATNAM (A.P.) INDIA