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Tropical Life Sciences Research [Open Access](#)
Volume 32, Issue 1, 2021, Pages 81-88

Early development of fig (*Ficus carica* L.) root and shoot using different propagation medium and cutting types (Article)

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Abstract

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This study aimed at determining the effects of propagation medium and cutting types on the early growth performance of fig (*Ficus carica* L.) root and shoot. The experiment was conducted at the Glasshouse and Nursery Complex (GNC), International Islamic University Malaysia (IIUM). The split-plot design was employed with the main plot (propagation medium) and sub-plot (types of cutting). The propagation medium were sand:topsoil (1:3) (M1), topsoil:peat:sawdust (1:1:1) (M2) and peat:perlite (1:1) (M3). Two types of cutting were semi-hardwood (C1) and hardwood (C2). As a result, there were a significant effect of propagation medium on measured parameters. This study revealed that the most effective propagation medium and cutting types for the propagation of fig were a combination of peat and perlite at 1:1 ratio (M3) and hardwood cutting (C2), respectively as evidenced by significantly higher root and shoot growth quality as compared to other treatments. © Penerbit Universiti Sains Malaysia, 2021.

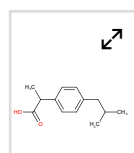
SciVal Topic Prominence

Topic: Growing Media | Composting | Coir

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Author keywords

Cutting types Ficus carica L. Propagation medium Root Shoot

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Species Index: Ficus carica

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International Islamic University Malaysia	15-128-0128	IIUM

Funding text

The authors would like to express their thanks and gratitude to the science officers from the Department of Plant Science, Kuliyyah of Science, International Islamic University Malaysia (IIUM), for their assistance and support throughout the study. This research was funded by the Research Initiative Grant Scheme (RIGS), IIUM (RIGS No. 15-128-0128).

ISSN: 19853718

Source Type: Journal

Original language: English

DOI: 10.21315/tlsr2021.32.1.5

Document Type: Article

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