



Research article

Micropropagation of lavender (*Lavandula angustifolia*)

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Abstract

Lavender (*Lavandula angustifolia*) is widely used in medicine. Lavender essential oil has a sedative effect, antispasmodic, prevent respiratory failure. Lavender should be preserved and studied deeply about biotechnology in the production of oil. Lavender seeds are disinfected best at a javel concentration of 75% in 10 minutes. Medium appropriate for plant growth is WPM. WPM supplemented with BA (0.1 mg/L), sucrose (30 g/L) is suitable for the process of creating the bud. IAA concentration (0.5 mg/L) is suitable for rooting process in *in vitro* culture. Lavender stem is strong and compact, dark green, thick blade, healthy roots when activated carbon was added into the media at concentrations 1.0 g/L.
