



Improving plant transformation using *Agrobacterium tumefaciens*

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ABSTRACT. Here, we report a quick and low-cost method to improve plant transformation using *Agrobacterium tumefaciens*. This method involves the use of physical wounding, ultrasound, and an increase in exposure time to the bacteria. We show how the transformation rate increased from 0 to 14% when an ultrasound pulse of 10 s was used in conjunction with 96 h of bacterial exposure in *Eclipta alba* explants.

Key words: *Agrobacterium tumefaciens*; Plant transformation;
Transgenesis