

***Agrobacterium rhizogenes*-Mediated Transformation of *Hypericum tomentosum* L. and *Hypericum tetrapterum* Fries.**

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This is the first evidence on successful *Agrobacterium rhizogenes*-mediated genetic transformation of two species from the genus *Hypericum*, *H. tomentosum* L. and *H. tetrapterum* Fries. Hairy root cultures were induced from root segments of both *Hypericum* species by two agropine wild-type strains of *A. rhizogenes*, ATCC 15834 and A4. The transgenic character of the hairy root cultures was proved by PCR amplification of the *rolABCD* genes. In some *H. tetrapterum* transgenic lines *aux* genes were detected as well.

Key words: Hairy Roots, *Hypericum* spp., *rol* Genes