Agrobacterium rhizogenes can induce hairy root in many of the dicot plant species. Hairy roots are obtained after successful transformation of plant species by T-DNA from a plasmid of Agrobacterium rhizogenes. Plants regenerated from the hairy root have different phenotypic characters. It has interesting growth capacities owing to the profusion of lateral roots. This growth can be analysed in detailed exponential model, when the number of generations of lateral roots become large. Thus, this feature has led to considerable attention of plant biotechnologists, to produce root-specific secondary compounds.



Himanshu Dawda

Transformed root

Transformed hairy roots are obtained after successful transformation of plant species by T-DNA from a plasmid of Agrobacterium rhizogenes

Dr. Himanshu Dawda is an Associate Professor in Botany at Ramniranjan Jhu njhunwala College with a specialization in plant physiology.

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Principal

Ramniranjan Jhunjhunwala College,
Ghatkopar (W), Mumbai-400086.

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