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Graphical abstracts

EDITORIAL COMMENT

Naming natural products: Uses, abuses and a proposal for discussion Catherine Lavaud and Georges Massiot*

Identification of CYP82E21 as a functional nicotine N-demethylase in tobacco flowers

MOLECULAR GENETICS AND GENOMICS

Lucien Bovet, Gerhard Lang and Simon Goepfert

of CYP82E2: 26 2.0 CYP82E2 expression 1.5 1.0 Relative Ovales signa fianens Ovaries Petals Sepali

Verena Liedschulte*, Joanne Deborah Schwaar, Hélène Laparra, Aline Vuarnoz, Bérangère Philippon, Nicolas Bakaher, Nicolas Sierro,

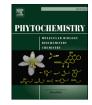
3.0

A nicotine N-demethylase (CYP82E21) was identified and its expression was shown in flowers, more specifically in ovaries. Nicotine demethylase function was confirmed using expression and RNAi silencing experiments.

METABOLISM

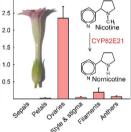


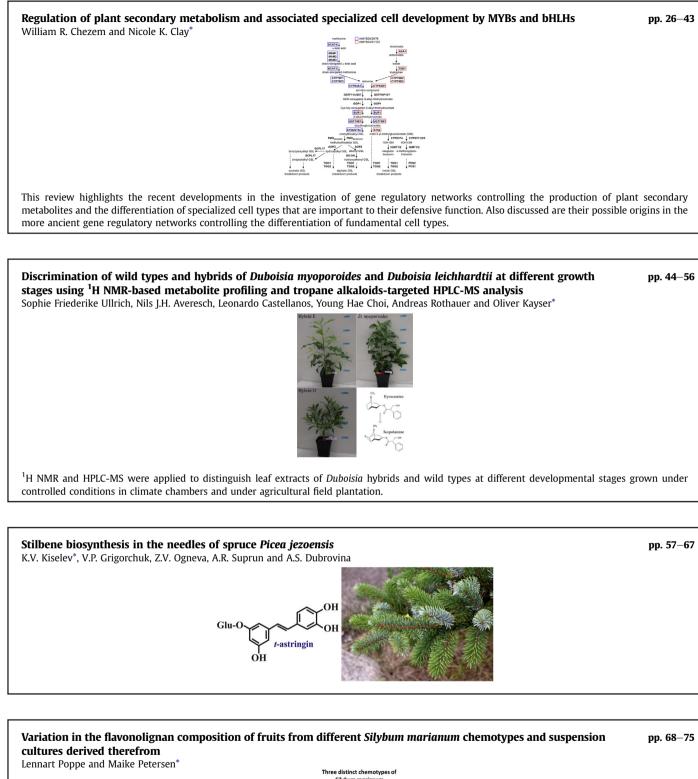


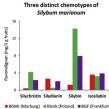


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