Conférence organisée par Le Studium : Plant Cell culture for phytochemical production : pros and cons

DATE(S)
le 6 septembre 2018
16h

LIEU(X)
Site Grandmont

Faculté de Pharmacie - A40

Le Studium organise une conférence présentée par le Prof Bilal Abassi.
Plant cell cultures are small factories that synthesize commercially important phytochemicals like ginsenosides, paclitaxel, and other compounds that are used as flavors, dyes, pharmaceuticals, nutraceuticals, cosmeceuticals, pigments, etc. Conventional propagation of plants is subjected to variety of pests, environmental challenges and poor management practices which adversely affect the quality and yield of these precious phytochemicals. Plant cell culture platform offers considerable advantages and advancements over conventional phytochemical production techniques. However, during culture development, the yield of metabolites is generally low due to poor understanding of various factors that affect the biosynthetic pathway. Therefore, various strategies have been developed and reported to enhance biosynthesis of these phytochemicals in plant cell cultures.