

BIOGRAPHY

03/07/2012



Title and name

Prof. PATRICK DU JARDIN

Nationality

Belgian

Panel

Genetically Modified Organisms (GMO)

Education

Master degree in Agronomy (1986) and PhD in Agricultural Sciences and Bioengineering (1990) at the Agricultural University of Gembloux (renamed as Gembloux Agro-Biotech, University of Liège)

Scientific and risk assessment experience

Research project leader on the molecular biology, physiology and genetics of crop plant species, (including potato, tomato, cotton, wheat and barley); topics : post-harvest biology, biotic interactions, secondary metabolites in biotic and abiotic stress responses;
Plant Biotechnology for sustainable food production in developing countries, including biosafety of GM crops: coordination of an international research network funded by the AUF (Agence universitaire de la Francophonie) for 5 years;
Member of the joint Ethical committee of INRA and Cirad (France), a multidisciplinary committee analysing the ethical implications of agricultural technologies.

Selected scientific publications

BENINI C., MAHY G., JACQUEMIN J.-M., FAUCONNIER M.-L., DU JARDIN P., & BIZOUX J.-P. (in press). Conservation and management of a threatened traditional agresource, ylang-ylang *Cananga odorata* [Lam.] Hook f. & Thomson forma genuina, in the Indian Ocean islands. *Crop Science*.

BENINI C., RINGUET M., WATHELET J.-P., LOGNAY G., DU JARDIN P., & FAUCONNIER M.-L. (in press). Variations in the essential oils extracted from ylang-ylang (*Cananga odorata* [Lam.] Hook f. & Thomson forma genuina) in the Western Indian Ocean islands. *Flavour and Fragrance Journal*.

GHANEM M. E., GHARS M. A., FRETTER P., PEREZ-ALFOCEA F., LUTTS S., WATHELET J.-P., DU JARDIN P., & FAUCONNIER M.-L. (in press). Organ-dependent oxylipin signature in leaves and roots of salinized tomato plants (*Solanum lycopersicum*). *Journal of Plant Physiology*.

BENINI C., MAHY G., BIZOUX J.-P., WATHELET J.-P., DU JARDIN P., & FAUCONNIER M.-L. (2012). Comparative chemical and molecular variability of *Cananga odorata* [Lam.] Hook f. & Thomson forma genuina (ylang-ylang) in the Western Indian Ocean islands: implication for valorization. *Chemistry & Biodiversity*.

JAMAR C., LOFFET F., FRETTERING P., RAMSAY L., FAUCONNIER M.-L., DU JARDIN P. (2010). NAM-1 gene polymorphism and Grain Protein Content in *Hordeum*. *Journal of Plant Physiology*. 167 : 497-501

DELAPLACE P., FAUCONNIER M.-L., SERGANT K., DIERICK J.-F., OUFIR M., VAN DER WALS F., AMERICAN T., RENAUT J., HAUSMAN J.-F., DU JARDIN P. (2009). Potato (*Solanum tuberosum* L.) tuber ageing induces changes in the proteome and antioxydants associated with modifications of the sprouting pattern. *Journal of Experimental Botany*. 60 : 1273-1288

GOSSET V., HARMEL N., GÖBEL C., FRANCIS F., HAUBRUGE E., WATHELET J.-P, DU JARDIN P., FEUSSNER I., FAUCONNIER M.-L. (2009). Attacks by piercing-sucking insect (*Myzus persicae* Sultzer) or a chewing insect (*Leptinotarsa decemlineata* Say) on potato plants (*Solanum tuberosum* L.) induce differential changes in volatile compound release and oxylipin synthesis. *Journal of Experimental Botany*. 60 : 1231-1288

DELAPLACE P., ROJAS-BELTRAN J., FRETTERING P., DU JARDIN P., & FAUCONNIER M.-L. (2008). Oxylipin Profile And Antioxidant Status Of Potato Tubers During Extended Storage At Room Temperature. *Plant Physiology and Biochemistry*, 46(12), 1077-1084.

FAUCONNIER M.-L., ROJAS-BELTRAN J., DUPUIS B., DELAPLACE P., FRETTERING P., GOSSET V., & DU JARDIN P. (2008). Changes In Oxylipin Synthesis After *Phytophthora infestans* Infection Of Potato Leaves Do Not Correlate With Resistance. *Plant Physiology and Biochemistry*, 46(8-9), 823-831.

DELAPLACE P., VAN DER WAL F., DIERICK JF., CORDEWENER J., FAUCONNIER ML., DU JARDIN P., AMERICA T.A.H.P. (2006). Potato tuber proteomics: Comparison of two complementary extraction methods designed for 2-DE of acidic proteins. *Proteomics*. 6 : 6494-6497
