

Alain Quinsac

Born 1956/09/12

CETIOM

Service

Transformation et Valorisation des Graines Oléagineuses

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Education

1993 PhD Chemistry and physical chemistry of compounds of biological interest. Orleans.

Position

From 2002 CETIOM – Pessac - Processing and added-value Unit: R&D Engineer.

1982-2002 CETIOM – Ardon - Analyses laboratory: R&D Engineer.

Field of Expertise and Activities

Analysis of oilseeds and derived products: proximates, glucosinolates and metabolites, amino-acids, pesticides using HPLC, GC, MS, CE, electrophoresis, NIRS. Identification, analysis and isolation of glucosinolates in Brassicaceae species. Standardization of methods of analysis and sampling in the field of oilseeds, fats and feedstuffs.

Processing technologies. Current processes used on oilseeds: cold and warm pressing, cooking, solvent extraction, toasting. Other techniques: twin screw extrusion, extrusion, microwaves, dehulling, tanning. Studies at laboratory or pilot scales. Technical and economic assessment of new feeding systems (preserved identity, local production).

Optimization of rapeseed meal use for feed (swine, ruminants and poultry) in collaboration with specialists in animal nutrition.

Membership:

Chair of the national committee of standardization for oilseeds and meals AFNOR T60D.

Chair of the international standardization committees for oilseeds and meals ISO/TC34/SC2 and oilseeds and fats CEN TC307.

Board of BIPEA (International Bureau for Analytical Studies): support for proficiency tests.

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C. Gardrat, A. Quinsac, B. Joseph & P. Rollin. Synthesis of indole glucosinolates, sugar-variants of naturally occurring glucobrassicin. *Heterocycles*, 35, n°2, 1015-1027, 1993.

A. Quinsac. Les glucosinolates et leurs dérivés dans les crucifères. Analyses par chromatographie en phase liquide et perspectives d'utilisation de l'électrophorèse capillaire. *Thèse de doctorat de l'Université d'Orléans*, 1993.

M. Dreux, C. Elfakir, J. Evrard, J. P. Mercier, A. Quinsac, D. Ribaillier & P. Rollin. Production of progoitrin from dehulled rapeseed meal. *2nd European Symposium on Industrial Crops and Products*, Pisa, Italy, November 22-24, 1993.

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A. Quinsac, A. Charrier, D. Ribaillier & J.Y. Péron. Glucosinolates in etiolated sprouts of sea-kale (*Crambe maritima* L.). *J. Sci. Food Agric.* 65, 201-207, 1994.

A. Quinsac, M. Lessire, M. Krouti, D. Ribaillier, J. P. Coïc, H. Fauduet & P. Rollin. Improvement in the nutritive value of high and low glucosinolate rapeseed meal by aqueous extraction. *Animal Feed Science and Technology*, 48, 265-272, 1994.

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