

SHORT CURRICULUM VITAE

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GRADES & EDUCATION

1994, HDR, Chemistry and Physico-chemistry of Processes

(HDR : equivalent to Professor for supervising PhD in French Universities)

1981, Postdoctoral Fellow, Ipatieff Catalytic Lab., Northwestern University, Chicago, USA

1980, PhD, Physical Organic Chemistry, University of Montpellier 2, France, 1980

1977, Chemical Engineer, Ecole Nationale Supérieure de Chimie, Montpellier, France

AREA OF EXPERTISE

Researcher and consultant : Green chemistry and biorefinery

Technology and chemistry of fats and oils, and natural latex.

* ***Technology*** : New / improved processes for extraction, refining, purification of natural high value-added compounds, supercritical fluid and membrane based processes.

* ***Oleochemistry*** : Heterogeneous catalysis applied to synthesis of new oleochemicals, biodegradable surfactants and lubricants ; surface properties.

* ***Biofuels*** : Direct use of vegetable oils in engines ; adapted refining processes, alcoholysis (ethyl, methyl esters), catalytic cracking (bio-gasoline and diesel fuel).

* ***Teaching*** : Lecturer / University Montpellier 2 ; Supervisor /PhD, Master degree

Languages

French, English, Spanish, Portuguese, fluent

PRESENT POSITION (Since January 2005)

CIRAD

(Center for International Co-operation in Agricultural Research for Development)

UMR 016 Unité Mixte de Recherche « Génie des Procédés – Eau, Bioproducts »

(joint lab. with Universities of Science and Pharmacy, Montpellier)

Project Leader of Topic 1-2, Chemical functionalisation

Senior Researcher

- International Research Programmes : Benin, Côte d'Ivoire, Brazil, Cambodia, Morocco, Thailand, Vietnam, Western Europe
- Registered as PhD supervisor at Ecole Doctorale Génie des procédés biologiques et industriels, University of Montpellier 2.

MAIN FEATURES (in short)

- * National/ international research co-operation with private companies and public organisations,
- * Valorisation of under-used biomass and oleaginous species, especially from Amazonia, Benin, Morocco, South-East Asia
- * 65 scientific publications and 70 communications,
- * 6 Patents,
- * 13 PhD thesis supervised,
- * Expert to the European Union for technology programmes
- * Expert to the ANR French agency for funding research (on Green processing & biorefining)
- * Expert BID/ Brazilian Government, for technologies adapted to food transformation, production of energy from biomass, for rural development in remote areas,
- * Member of national and international Oils and Fats societies ; co-founder of EuroFed Lipids ; Malaysian Oil Chemistry and Technology Association ; Associação Brasileira de Quimica.
- * Board Member and co-founder, Industrial Oil products Division, American Oil Chemists Society (AOCS)
- * Board Member of the journal Bioenergia, edited by the University of São Paulo, Brazil.
- * Reviewer for international scientific journals.