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INTROP PUBLIC TALK

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The Challenge of Applying the Multiple Product BIOREFINERY Concept to Guayule Biomass



by
Serge Palu

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Serge PALU is a CIRAD senior researcher currently attached to one of CIRAD research unit, "Biomass Wood Energy Bioproducts" (BIOWOOEB) in Montpellier, France. He is a rubber engineer who has worked since 1976 for the development of Hevea NR first at the French Rubber Research Institute (IRCA/CIRAD) in many NR producing countries (Liberia, Cameroon, Indonesia, Vietnam, Ecuador). He spent 7 years in North America (USA and Canada) where he has discovered Guayule in Arizona in 1982, at the University of Tucson, Arizona. He has years of experience on guayule extraction process. From 2008 to 2012, he was involved with the European project, EU-based Production and Exploitation of Alternative Rubber and Latex Sources (EU-PEARLS).

The seminar will discuss the biorefinery of multiproducts : advantages & constrains, complexity of vegetal structure and aqueous extraction of non-polars compounds, imagery - histochemistry, the knowledge of macro and micro structure of vegetal matrix. It will engage how to visualise various effects from various processing stages and how to design processes to better know the structuration. Detailed examples will be dawned from the specific context of Guayule biomass, its co-products, uses/applications, and Guayule organisation at molecular level, etc.



Date : 08th Sept 2016 (Thursday)

Time : 9.00 am

Venue : Seminar Room, 1st Floor, INTROP, UPM

Organized by INTROP in collaboration with CIRAD. Secretariat: Laboratory of Biopolymer and Derivatives, INTROP, UPM.
For queries and registration, please contact 03-89471887 (Mdm. Nor Azizah) or 03-89471782 (Mdm Sakinatul Husna).