

BIODIVERSITY PROJECTS

ESCUELA DE INGENIERÍA DE ANTIOQUIA

Project In vitro production of *Jatropha curcas* oils for biofuel development.

Contact Lucía Atehortua

Area Plant Biotechnology

Telephone +57 (4) 219-6494

E-mail latehor@gmail.com

Observations

The University has supported this research project in a joint venture with a public regional company (EPM). The process has been optimized and generated US Patent No. 7,772,002 B1. We are now seeking investors to scale up the process to a pilot plant.

Project In vitro cocoa, cocoa polyphenols and cocoa butter production

Contact Lucia Atehortua

Area Plant Biotechnology

Telephone +57 (4) 219-6494

E-mail latehor@gmail.com

Observations

This research project generated US Patent No. 7,521,238 B2 and it is scaling up in an 8L bioreactor. The project has received financial support from the Colombian Ministry of Agriculture, SENA and a private chocolate manufacturer (CNCH). We are seeking new investment partners to scale up the process to a pilot plant.

Project	Microalgae biorefinery
Contact	Lucia Atehortua
Area	Microalgae Biotechnology
Telephone	+57 (4) 219-6494
E-mail	latehor@gmail.com

Observations

We are developing the concept of biorefinery with several microalgae species. However, we already have some final products from *Porphyridium cruetum* such as: Phycobiliproteins, polysaccharides, and chlorophyll pigments and oils.

We are cultivating *Botryococcus braunii* for hydrocarbon production as well as other microalgae species. We are searching for investment for developing commercial products for the cosmetics industry.