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Caterina Coll, Rafael Castañeda, Vicente Signes*
IMECAL S.A., Ctra Carlet s/n, 46250 L'Alcúdia, Valencia, Spain. Tel. (+34)625124303, (+34)699626947
caterina@imecal.com, rcastaneda@imecal.com, vsignes@imecal.com

ABSTRACT

Two million tonnes of citrus waste are produced in the Valencian Area every year. Additionally, the citrus juice industry generates 600.000 Tm of orange peels. The Valencian government are interested in the use of this citrus waste to produce bioethanol. The citric waste is mainly composed by peels, seeds and membranes that contain monosaccharides, cellobioses, hemicellobioses and pectins, that will be transformed in bioethanol through a fermentation process. IMECAL, in collaboration with CIEMAT, FORD SPAIN and AVEN, are developing an industrial process to obtain bioethanol from this waste.



Feedstock



Limonene removal equipment



Pilot plant first level



Distillation columns



Fermentors and FORD FFV vehicles



Experimental pilot plant



Fermentors



Plant Laboratories



GENERALITAT VALENCIANA
CONSELLERIA D'INFRAESTRUCTURES I TRANSPORT

PROYECTO ATENEA

PLANTA EXPERIMENTAL

Producción de **BIOETANOL** a partir
de **RESIDUOS DE CÍTRICOS**

Promotores:



Colaboran:

