

# Biofuel production from natural rubbers



## Description

The present invention relates to a method for making biofuels from the latex of guayule (*Parthenium argentatum*) and natural rubbers of elastic species such as *Castilla elastica* and *Hevea brasiliensis*. This is a low cost method to process and recycle waste rubber and rubbers for obtaining: a) Modified rubber to enhance the properties of various polymeric materials; b) low molecular weight hydrocarbons, useful for the production of high value products such as additives, paints and adhesives as well as raw material for the production of diesel.

## Application

Production of biofuels from resources available in the country.

## Stage of Development

Conceptual prototype

## IP Status

Patent application No. MX/a/2012/014558

## Inventor:

Dr. Mikhail Tlenkopatchev  
(Instituto de Investigaciones en Materiales)

Renewable  
energies

## Market potential

Mexico will require large amounts of ethanol and PEMEX will be purchasing agency; Given that the international market is growing rapidly, exporting may also be an interesting prospect.

## Transferring conditions

- ✓ Technological development agreement (optional)
- ✓ Licensing (includes front payment and royalties)



Contacto UNAM:

UNAM Contact:

César León  
cesar.leon@unam.mx  
+52 (55) 56 58 56 50  
Ext. 208

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