MICO-DIESEL FROM FUNGI

RESEARCH ON THE MICO DIESEL IS A GOOD ALTERNATIVE TO TRADITIONAL BIOFUELS

PRODUCTION PROCESSES

CATALYSTS ARE USED FOR TRANSFORMING THE PRODUCTS IN PRIMARY FUEL

RAW MATERIALS USED TO OBTAIN THE FINAL PRODUCT

THE CROPS FOR PRODUCING BIOFUELS SUBTRACT LAND TO FOOD GRAIN CROPS AND RAW MATERIALS IN UNDERDEVELOPED COUNTRIES.

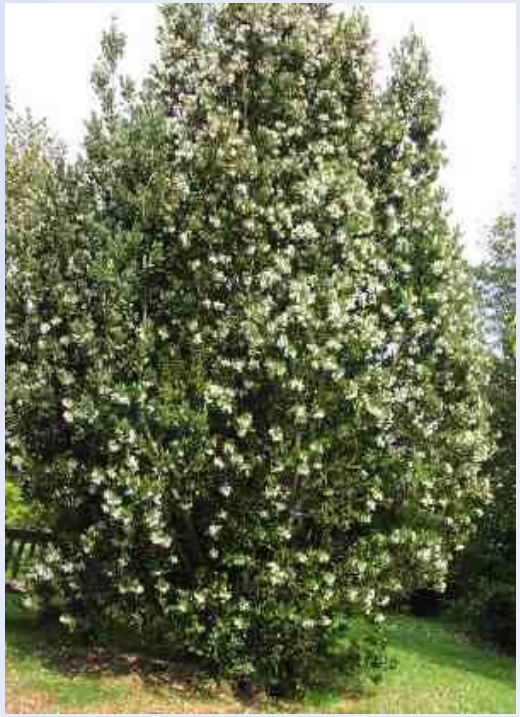
RESEARCH CONDUCTED BY PROF. GARY STROBEL OF MONTANA STATE UNIVERSITY

Strobel thinks that with more research, the fungus could prove to be an efficient source of clean, renewable energy.

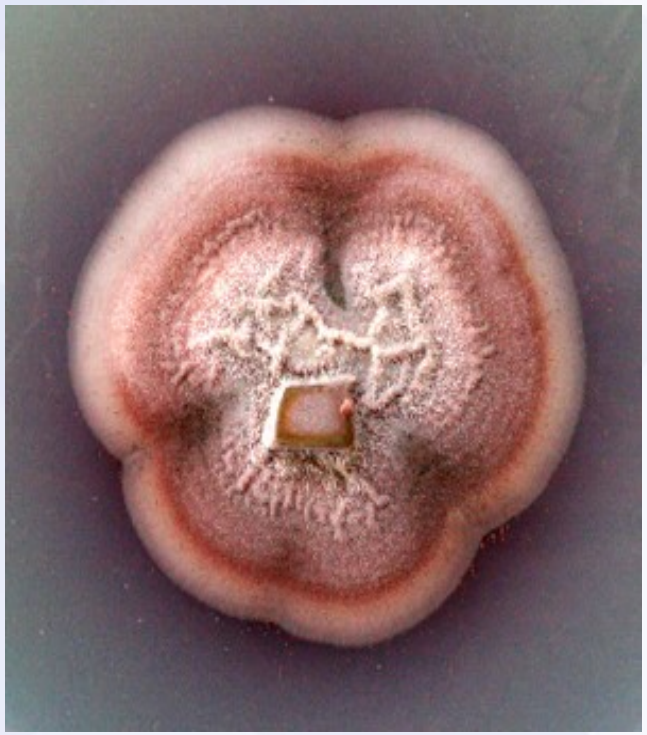
FUNGUS: GLIOCLAUDIUM ROSEUM

- IT LIVES ON ULMO TREE (Eucryphia) IN THE RAINFOREST OF PATAGONIA.

RAINFOREST of PATAGONIA



EUCRYPHIA CORDELIA



GLIOCLAUDIUM ROSEUM

GLIOCLAUDIUM ROSEUM GROWS ON A CELLULOSE SUBSTRATE PRODUCING A MIXTURE OF VOLATILE ALCOHOLS, AND COMPOUNDS CONTAINING CARBON AND HIDROGEN, AS MANY FUELS.

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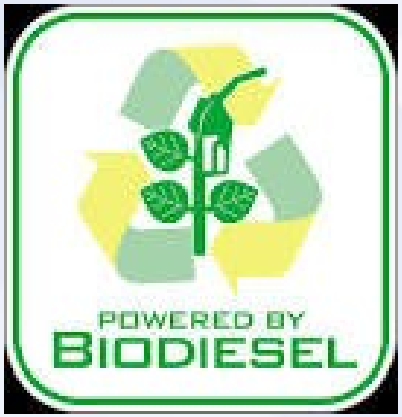
MICO-DIESEL

THIS RESEARCH ALLOWS TO PRODUCE CLEAN ENERGY FROM WASTE CELLULOSIC MATERIALS AND USE IT WITHOUT INTERMEDIATE STEPS BUT DIRECTLY FROM THE FERMENTATION OF MUSHROOM.



SCIENTISTS ARE STUDYING THE GENOME OF THIS MUSHROOM THAT COULD IMPROVE THE LIFE

ARE THERE OTHER MICROORGANISMS ABLE TO CARRY OUT THIS PROCESS?

GIULIO APPONI MICHELE CECCHINI DORIAN RAMCI