

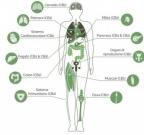
I MATERIALI VEGETALI



<https://www.rareearthglobal.com/industrial-hemp>

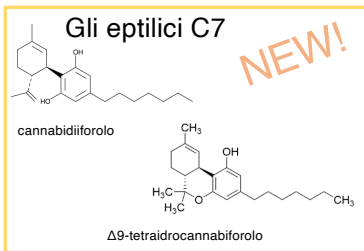
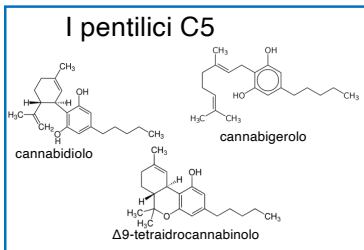


FITOCANNABINOIDI



~150

Metodi: HPLC-UV, UHPLC-HRMS

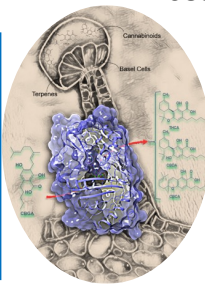


TERPENI

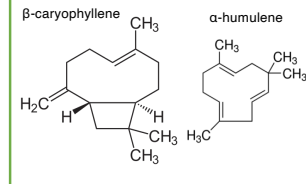


>200

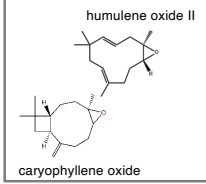
Metodi: idrodistillazione Oli essenziali + analisi GC-MS



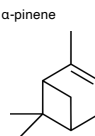
Sesquiterpeni idrocarburi



Sesquiterpeni ossigenati

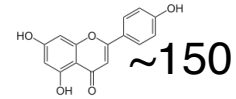


Monoterpeni

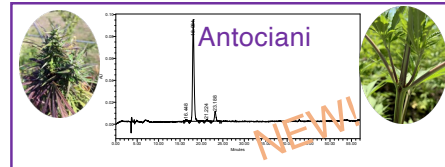
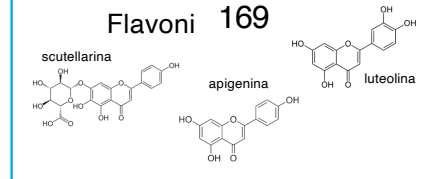


EFFETTO ENTOURAGE

FLAVONOIDI



Metodi: HPLC, UHPLC-HRMS



LE MOLECOLE BIOATTIVE

STUDI GENETICO-MOLECOLARI : DAI GENI ALLE PIANTE DEL FUTURO

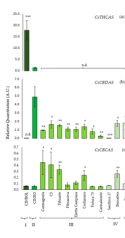
LA GENETICA

ANALISI BIOINFORMATICHE.

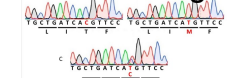
Identificazione di geni candidati: cannabinoidi (17), terpeni (69), flavonoidi (111) e regolatori (170): 367 geni totali

ANALISI MOLECOLARI.

Sviluppo di un tool di espressione genica ed applicazione alle varietà



WGS e identificazione di polimorfismi a livello dei geni candidati.



Sviluppo di marcatori SNP da validare in HRM.

LE PERSONE



CNR NANOTEC
INSTITUTE OF NANOTECHNOLOGY

UNIMORE
UNIVERSITÀ DEGLI STUDI DI MODENA E REGGIO EMILIA

ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

UNIVERSITÀ DI PISA

Dhitech
DISTRETTO TECNOLOGICO HIGH TECH

UNIHEMP
CANNABIS PROTECTIO

UNIONE EUROPEA
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Ministero dell'Università e della Ricerca

PON
BIRICHIA E INNOVAZIONE

IL PROGETTO