

Personnel

Maria Konstantopoulou, Research Director

Dimitris Raptopoulos, Graduate Research Associate (PhD)

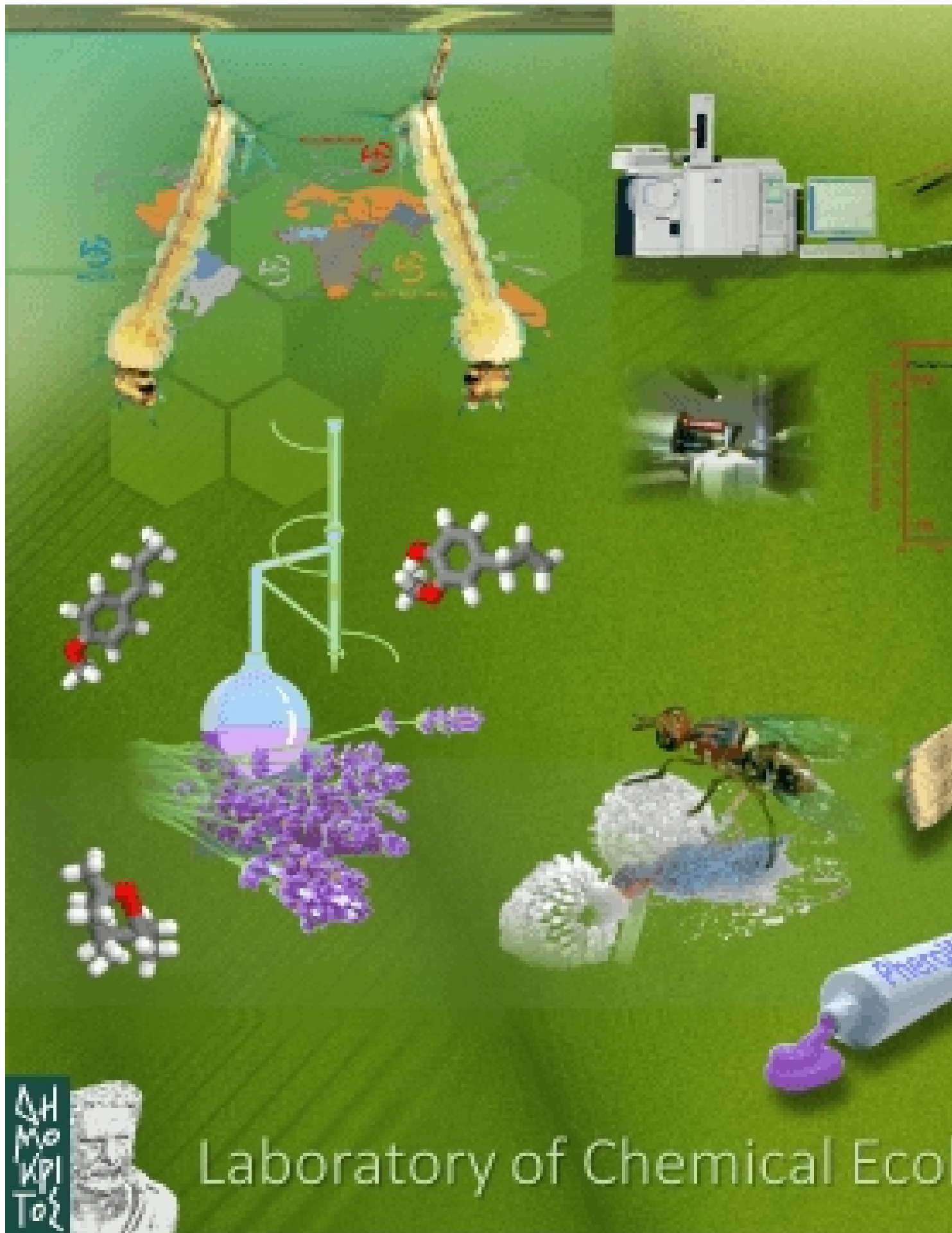
Eleni Koutsoumpeli, Postdoctoral Fellow

Anastasia Fytrou, Postdoctoral Fellow

Petri-Christina Betsi, Graduate Research Associate (MSc)

Ioanna Dasenanki, Graduate Research Associate (MSc)

Neoklis Manikas, PhD candidate



Research activities (original) that have been used in the laboratory (practical) relating to the chemical ecology of plants and animals (practical) relating to the chemical ecology of plants and animals

INFOCHEMICALS : tools for eco-fri



Attraction of herbivores



Repul
for fee

Volatiles

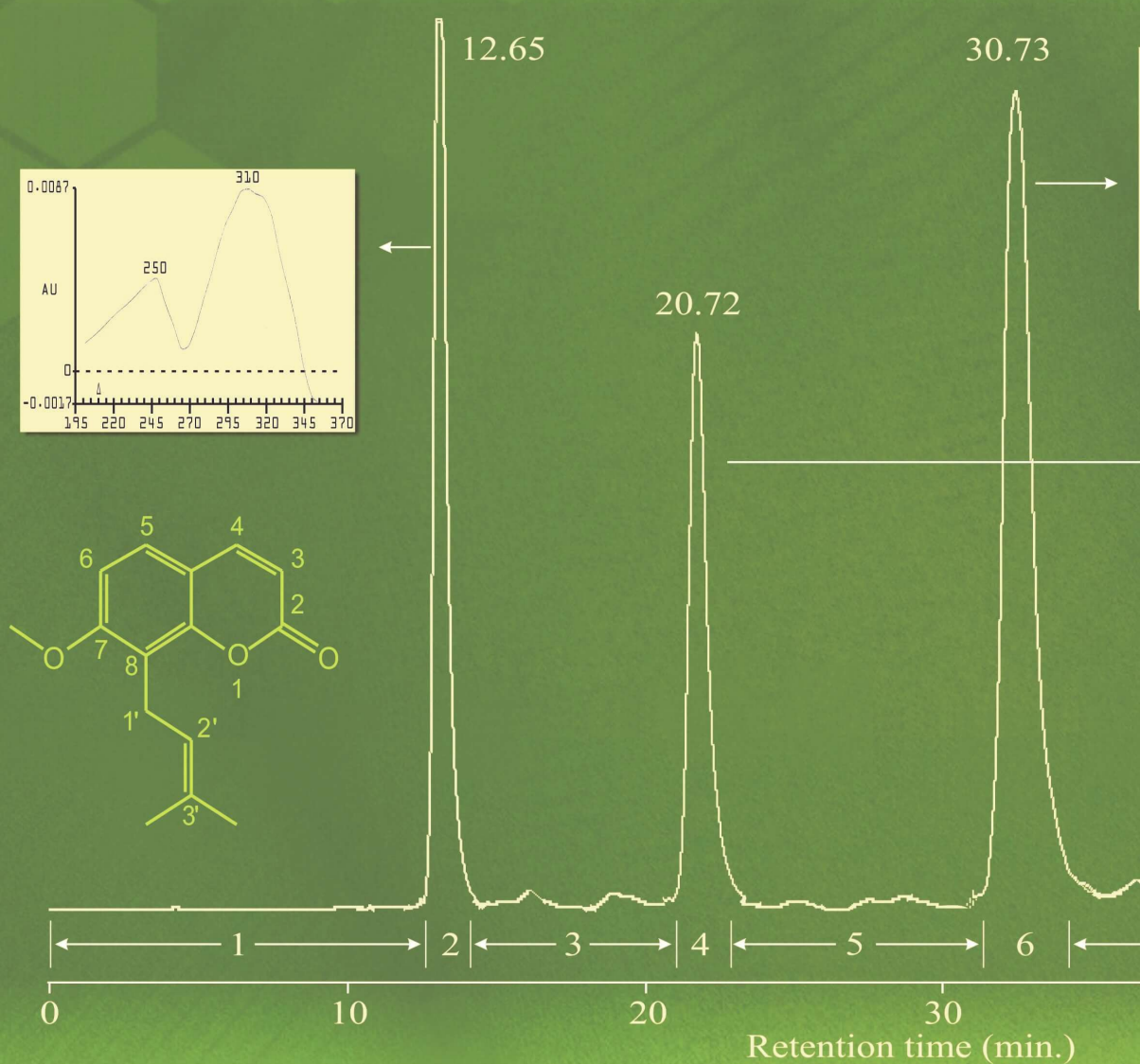


Attraction of parasitoids



Vola
herb

Citrus aurantium inse

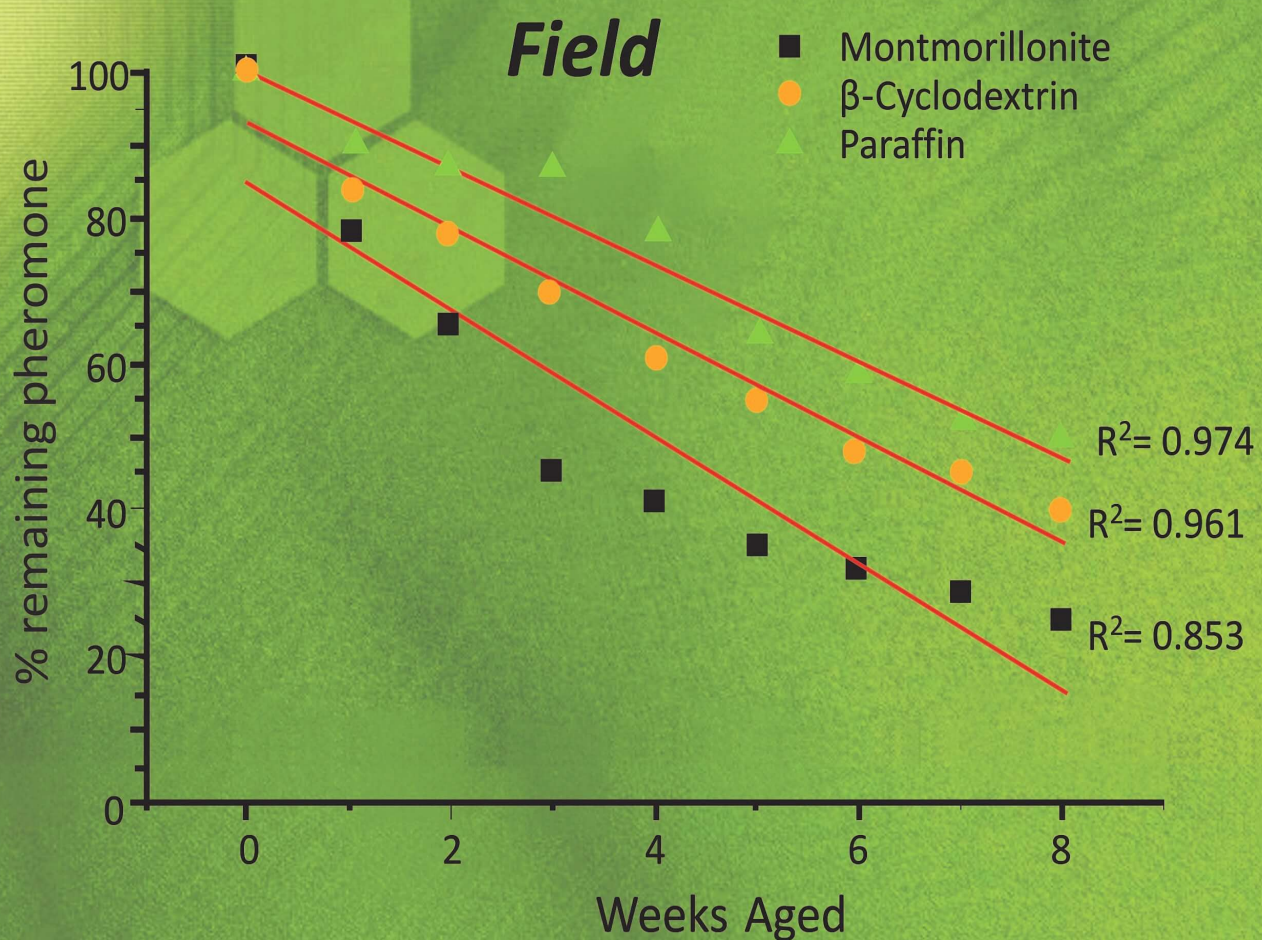


osthol

6',7'-epoxybergamottin

Development of isolated biotechnologies for the synthesis of compounds with biological properties

Eco-friendly matrices as releaser for the Mating Disruption



Application of the pheromone containing paraffin blob on the tree trunk





Formulation approaches of various

Microencapsulation in nanofibers



Prays oleae sex pheromone (Z7-14:Alld) released from fiber mats heated to 45°C for 15 min



Gels with high load capacity



Initial load (28gr)



Exhausted (5gr)

Formulation of large amounts of semiochemicals in polymeric matrices with stable release rate characteristics



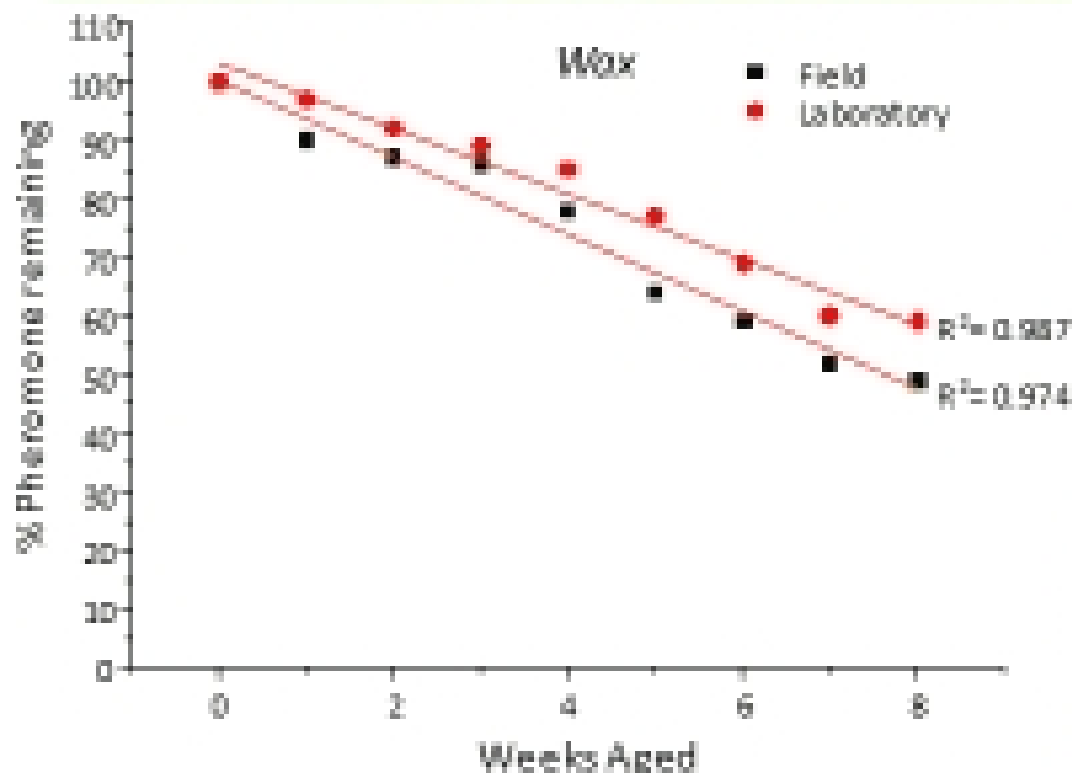
- *Precision Agriculture and Smart Farming Applications.*

PRECISION AGRICULTURE

Smart farming applications alternative to drone-aided s



Remotely c
caulking gu
precision d
Prototype



of proteins for insertion into the membrane. Biochemistry of proteins with emphasis on the localization and isolation of proteins for insertion into the membrane.

PBP and OBP in *Le...*

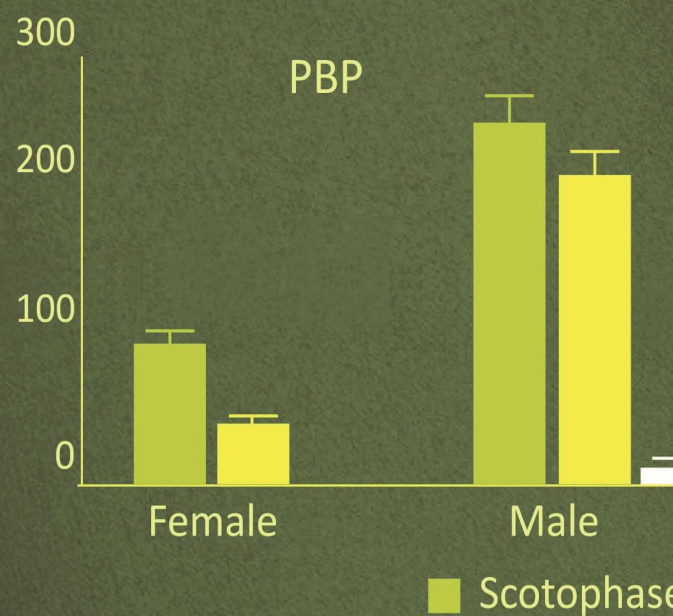


Scotophase
Female Male

Anti- PBP1

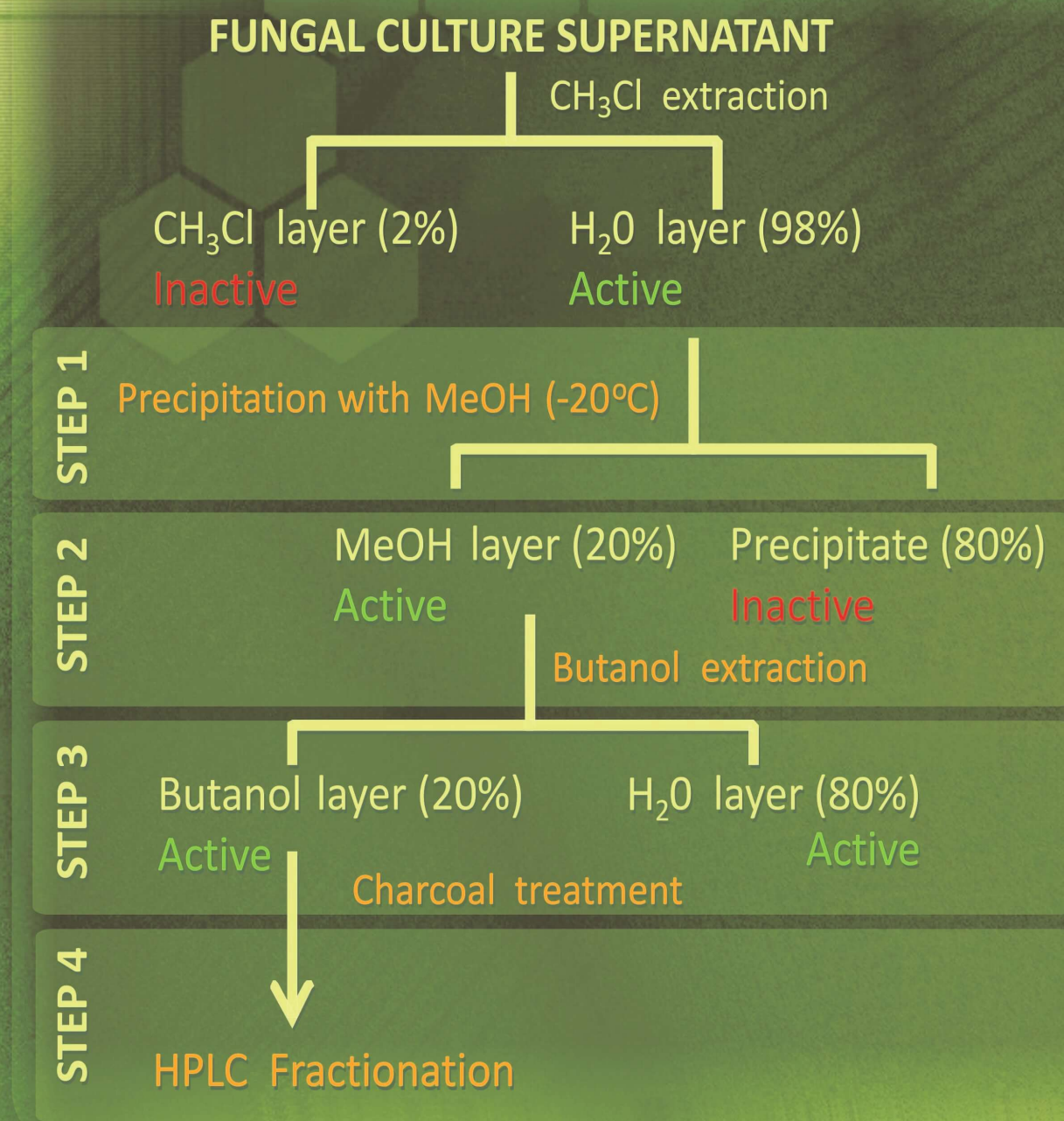


Anti GOBP2



preparation of natural products by biotechnology (fermentation, cell culture, etc.) and their application in the pharmaceutical and food industries.

Purification of *Mucor hiemalis*



4000 mV

-61.756 mV

NM

Selected Publications: *Chitra Patel, AP, Gay Pantano, MEd, Dalit Kravitz, and others. Mathematical Literacy: A Guide for Educators. New York: The Math Learning Center, 2013.*



LEFINE

Yeast platforms for production



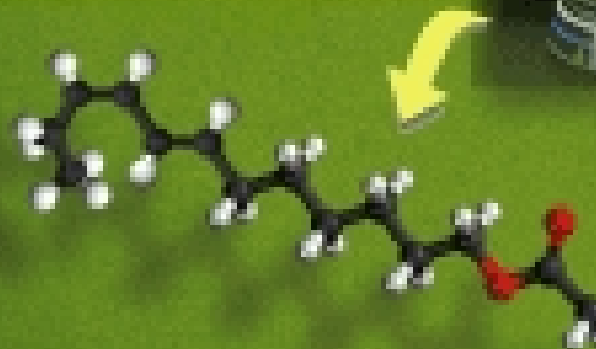
Genes

Yeast cell



Yeast

Fermenter



E7,Z9 dodecadienyl acetate
Lobesia botrana sex pheromone



