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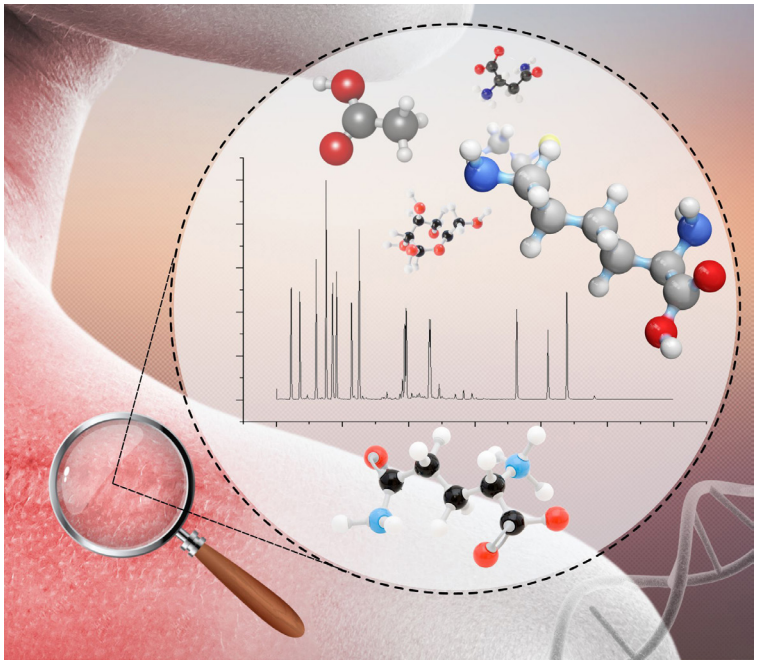
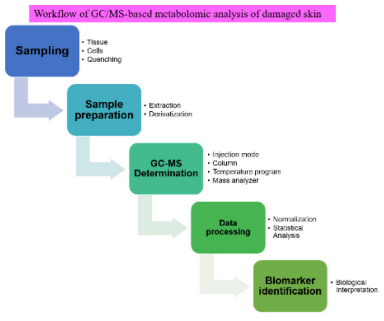
Cover Picture



The skin is the largest organ in the body and suffers daily from external and internal agents. Studying the mechanisms that lead to damaged skin is an important step toward proposing ways to repair this organ. Details are presented in the Review **Strategies for Metabolomic Analysis of Damaged Skin from Cell and Tissue Samples Using Gas Chromatography-Mass Spectrometry** by *Samantha C. H. Rodrigues, Helvécio C. Menezes, Dawidson A. Gomes and Zenilda L. Cardeal* on page 471.

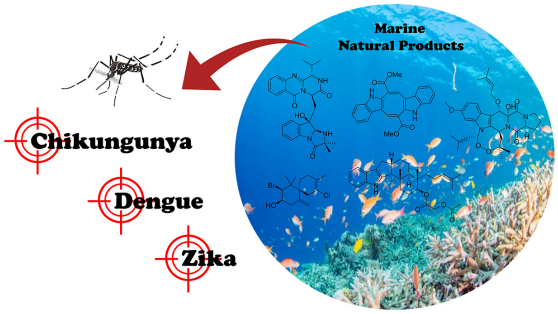
Contents

Reviews



Graphical Abstract
Workflow of gas chromatography coupled to mass spectrometry-based metabolomics analysis of damage skin.

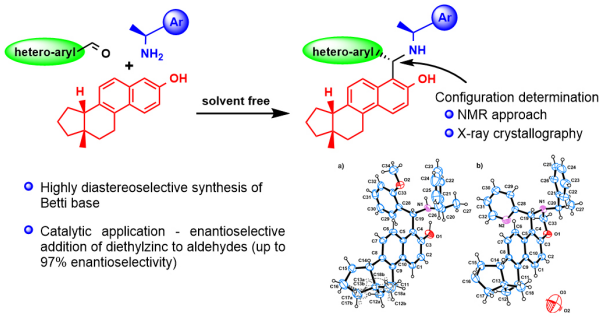
https://dx.doi.org/10.21577/0103-5053.20230005



Graphical Abstract
The review highlights the different studies on marine natural products with antiviral and larvicidal activity against Dengue, Zika and Chikungunya and their main vector *Aedes aegypti*.

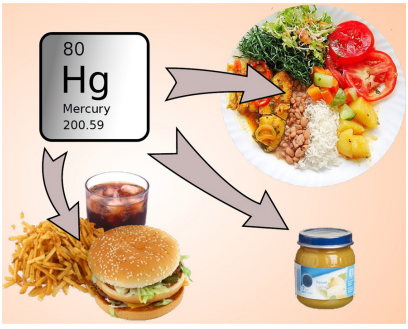
https://dx.doi.org/10.21577/0103-5053.20230012

Articles



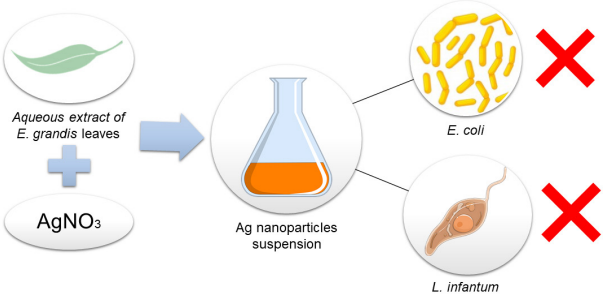
Graphical Abstract
Chiral aminoethylnaphthols are synthesized through highly diasteroselective three component condensation and evaluated further as catalysts.

https://dx.doi.org/10.21577/0103-5053.20220124



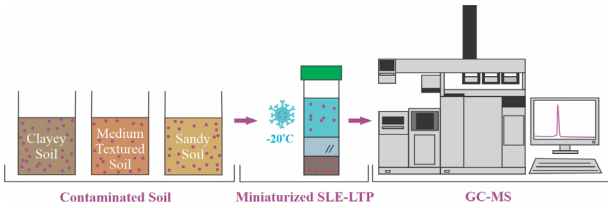
Graphical Abstract
A study on the dietary exposure of Spanish consumers to Hg through baby food, fast food, and daily meals was carried out. A direct Hg determination method was proposed.

https://dx.doi.org/10.21577/0103-5053.20220125



Graphical Abstract
Eucalyptus grandis aqueous extract was used to synthesize silver nanoparticles which presented antibacterial activity against *Escherichia coli* and leishmanicidal effect on promastigote forms of *Leishmania infantum*.

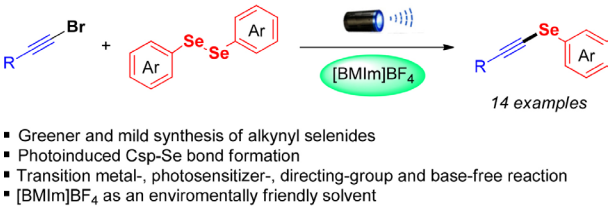
https://dx.doi.org/10.21577/0103-5053.20220126



Graphical Abstract

Miniaturized version of the solid-liquid extraction with low temperature purification (SLE-LTP) followed by analysis by gas chromatography coupled with mass spectrometry (GC-MS) to determine fluopyram in sandy, clayey and medium-textured soils.

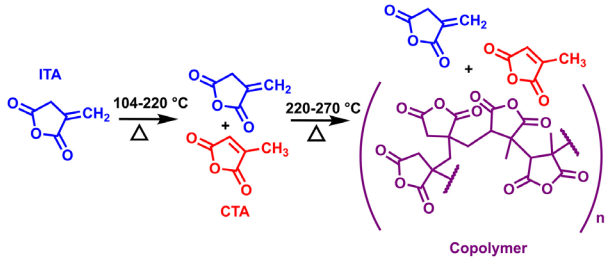
https://dx.doi.org/10.21577/0103-5053.20220132



Graphical Abstract

Herein we describe a novel photoinduced synthesis of alkynyl selenides from 1-bromoalkynes and diaryldiselenides, using [BMIm]BF_4 as an environmentally benign reaction media.

https://dx.doi.org/10.21577/0103-5053.20220133



Graphical Abstract

This work investigates the isomerization of itaconic anhydride (ITA) into citraconic anhydride (CTA) and the copolymerization of them by heating.

https://dx.doi.org/10.21577/0103-5053.20220134