

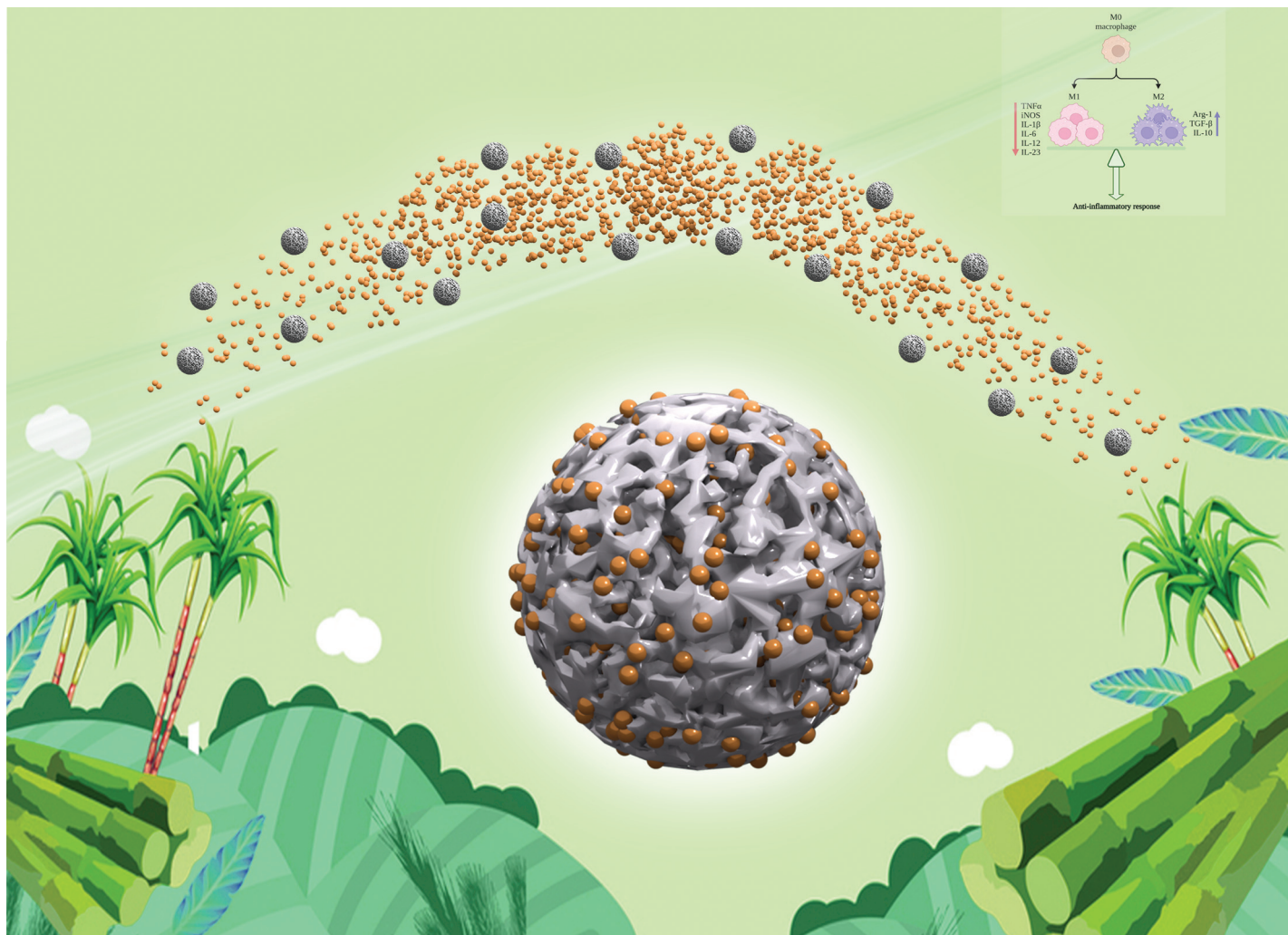
RSC Applied Polymers

**The application of polymers,
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**Fundamental questions
Elemental answers**



Showcasing research from Dr. Fansheng Kong's laboratory,
School of Pharmacy, Guangdong Pharmaceutical
University, Guangzhou, China.

Sugarcane molasses essential oils: mesoporous silica
nanoparticles as carriers to improve their slow-release
activity and the study on their anti-inflammatory activities
in vivo

In this study, sugarcane molasses essential oils (SMEOs) were
extracted by microwave-assisted hydrodistillation (MAHD),
the composition of SMEOs were identified and analyzed by
gas chromatography-mass spectrometry (GC-MS). SMEOs
were loaded into mesoporous silica nanoparticles (MSNPs)
to evaluate its sustained release activity, and the anti-
inflammatory activity of SMEOs *in vivo* were determined.

As featured in:



See Fansheng Kong *et al.*,
Food Funct., 2023, **14**, 5012.