



Showcasing pioneering research on the development of photoactive gold metasurfaces from the research group of Distinguished Professor Suresh K. Bhargava AM at RMIT University, Melbourne.

The impact of dendrite morphology on the optical properties of sunflower mimic plasmonic metasurfaces

Facile nanofabrication of sunflower mimic plasmonic metasurfaces with dendrites of varying morphologies on the lateral surfaces was achieved using maskless photolithography and electrodeposition. The dendrite morphology governed the distribution of the enhanced electric field and hot spots on the metasurfaces. This research is a significant contribution towards the development of next generation sensors, photocatalysts and photonic devices.

As featured in:



See Sunil Mehla,
Suresh K. Bhargava *et al.*,
J. Mater. Chem. C, 2023, **11**, 14079.