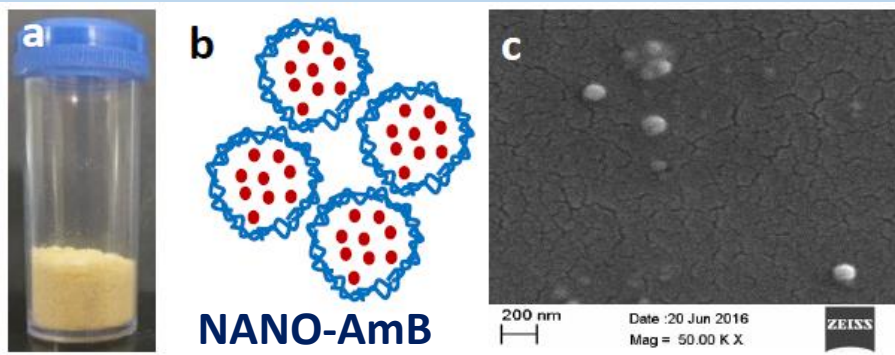


# NANO-AmB

FOR EFFECTIVE ANTIFUNGAL ACTIVITY AND REDUCED TOXICITY

- Resistant Fungal infections among immunocompromized are difficult to treat
- AmphotericinB an effective antifungal is highly nephrotoxic
- Entrapment of AmB in nano vehicles can reduce the toxicity with slow sustained release and enhanced biocompatibility

## NANO-AmB: an effective antifungal agent Indian Patent Granted 2023



Encapsulation of AmB in polymeric nanovehicles showed *in vivo* effective anti-fungal activity and reduced toxicity with slow sustained release of the drug

### TECHNOLOGY

The present invention includes a synthetic one-pot procedure for preparing the drug encapsulated polymeric nanoparticles.

### SALIENT FEATURES

- Effective antifungal activity at half the dose of free drug
- Reduced nephrotoxicity *in vivo* with repeated dose toxicity
- Hemocompatible
- Greater safety and biocompatibility
- Can contribute to reduced hospitalization and costs