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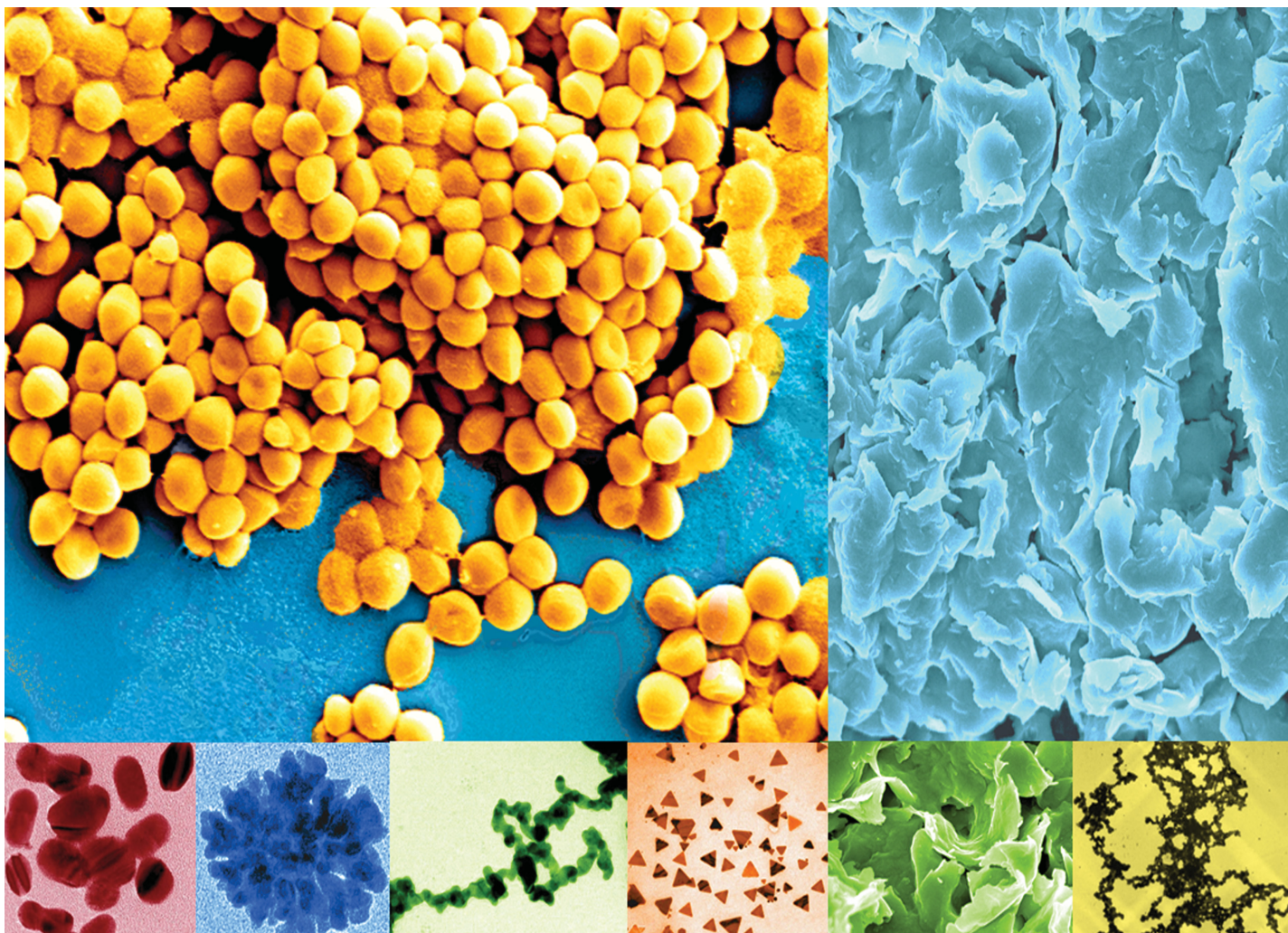


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Showcasing research from Bioinspired Nanomaterials Laboratory of Dr Sujoy K. Das, CSIR-Indian Institute of Chemical Biology, Kolkata, India.

Nanotechnology based therapeutic approaches: an advanced strategy to target the biofilm of ESKAPE pathogens

Bacterial infections of ESKAPE pathogens cause major health risks. The emergence of antimicrobial resistance along with biofilm formation makes treatments more challenging. This review article highlights nanotechnology based therapeutic approaches utilizing nanomaterials as antibiofouling agents as well as delivery vehicles to disrupt the biofilm and killing of persister cells. This study also emphasizes the mechanism through which nanomaterials destroy biofilms and provide a deep insight into the potential application of nanomaterials in the biomedical field to cure biofilm associated infections of ESKAPE pathogens.

As featured in:



See Sujoy K. Das *et al.*,  
*Mater. Adv.*, 2023, 4, 2544.