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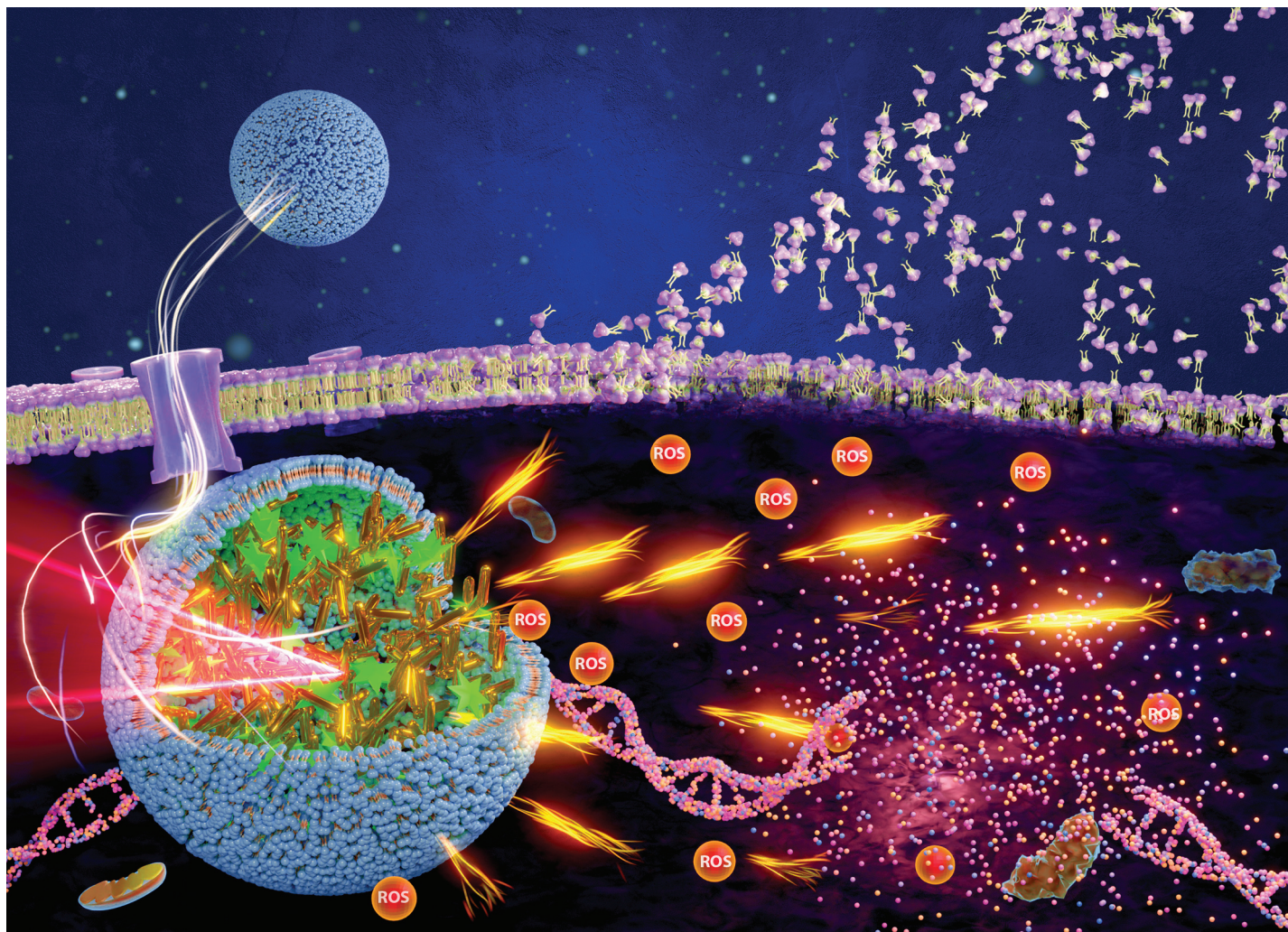
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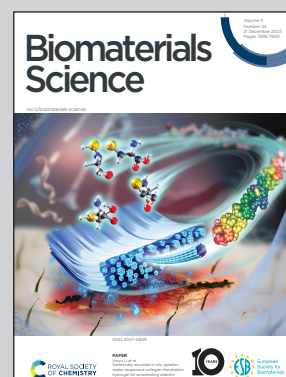
**Highlighting research results by Dr. Raviraj Vankayala and co-workers from the Department of Bioscience and Bioengineering, Indian Institute of Technology Jodhpur.**

Near-infrared light activatable niosomes loaded with indocyanine green and plasmonic gold nanorods for theranostic applications

A near infrared (NIR) light activatable theranostic nanoplateform integrating niosomes, indocyanine green and plasmonic gold nanorods has been developed for the destruction of cancer cells. Owing to its superior properties, such as, enhanced loading efficiencies, excellent storage stability, photostability, elevated temperature rise and generation of reactive oxygen species (ROS) upon NIR-II light irradiation, these theranostic nanoplateforms create a benchmark in the improved diagnosis and therapy for biomedical clinicians to tackle various diseases.

Image created by Gopikrishna J.

**As featured in:**



See Raviraj Vankayala *et al.*,  
*Biomater. Sci.*, 2023, **11**, 7759.