

Showcasing research on assembling and integrating photocatalysis components into an artificial photosynthesis device from Professor Gopinath's laboratory, Catalysis and Inorganic Chemistry Division, CSIR – National Chemical Laboratory, Pune, India, and Academy of Scientific and Innovative Research, Ghaziabad, India.

A baby step in assembling and integrating the components of an artificial photosynthesis device with forced heterojunctions towards improved efficiency

A potential scalable, sustainable and generic method to fabricate an all-inorganic artificial photosynthesis device with sub-quadrillions of heterojunctions has been demonstrated with 31-38 % solar-to-fuel efficiency.

## As featured in:



See Chinnakonda S. Gopinath *et al., J. Mater. Chem. A*, 2023, **11**, 15168.

ROYAL SOCIETY OF **CHEMISTRY** 



Registered charity number: 207890