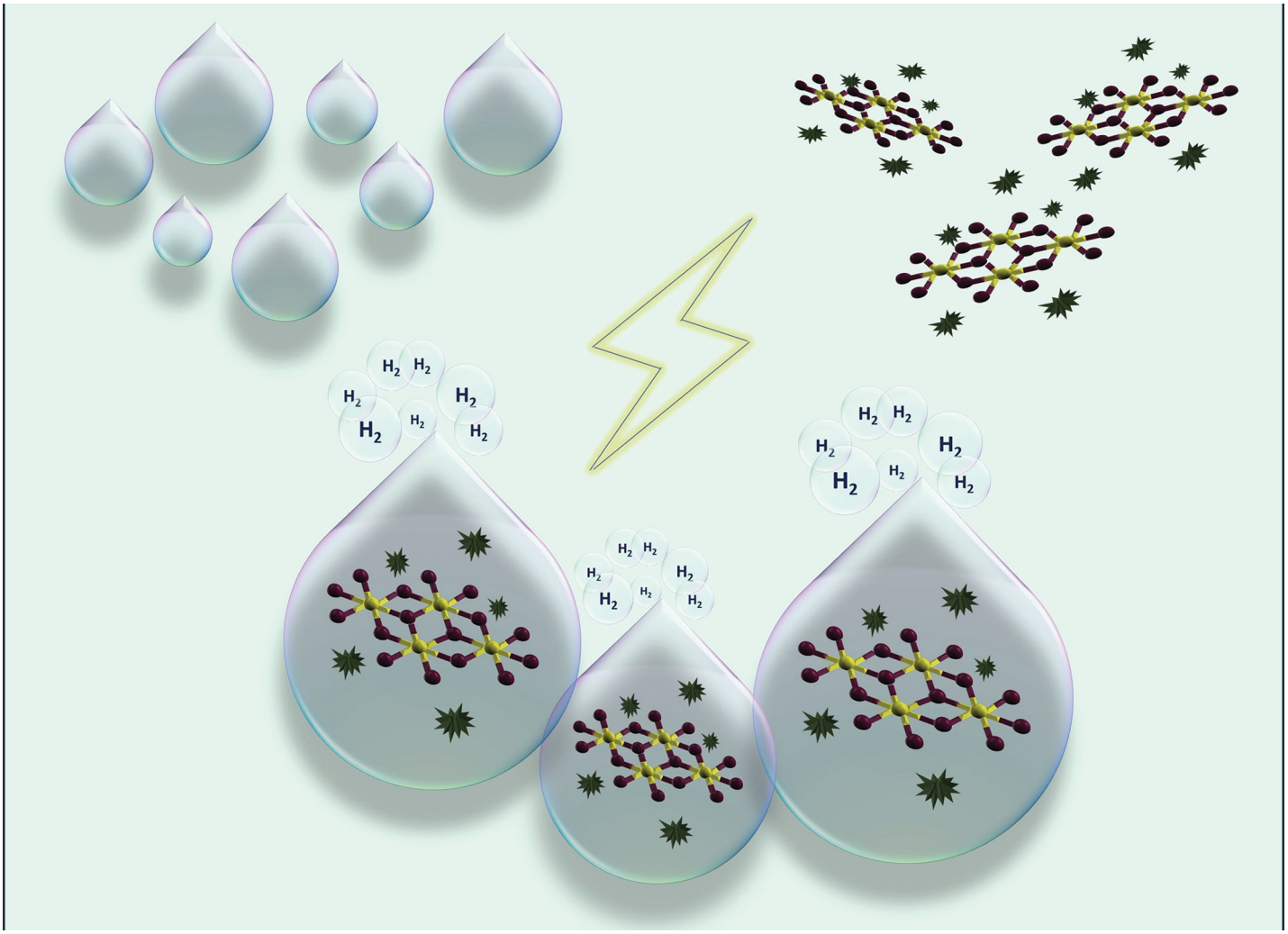

Showcasing research from Professor Bernaurdshaw Neppolian's laboratory, Department of Chemistry, SRM Institute of Science & Technology, Kattankulathur, Tamil Nadu, India.

Ruthenium-infused nickel sulphide propelling hydrogen generation *via* synergistic water dissociation and Volmer step promotion

Strategic integration of ruthenium (Ru) into nickel sulphide (NiS) markedly elevates the catalyst's efficiency in alkaline medium. Ru serves as a pivotal element, synergistically enhancing the NiS by facilitating water dissociation at the interface and promoting the Volmer step, thereby significantly amplifying the hydrogen production efficiency.

As featured in:

See Anantharaj Sengeni, Bernaurdshaw Neppolian *et al.*, *Chem. Commun.*, 2024, **60**, 10496.

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