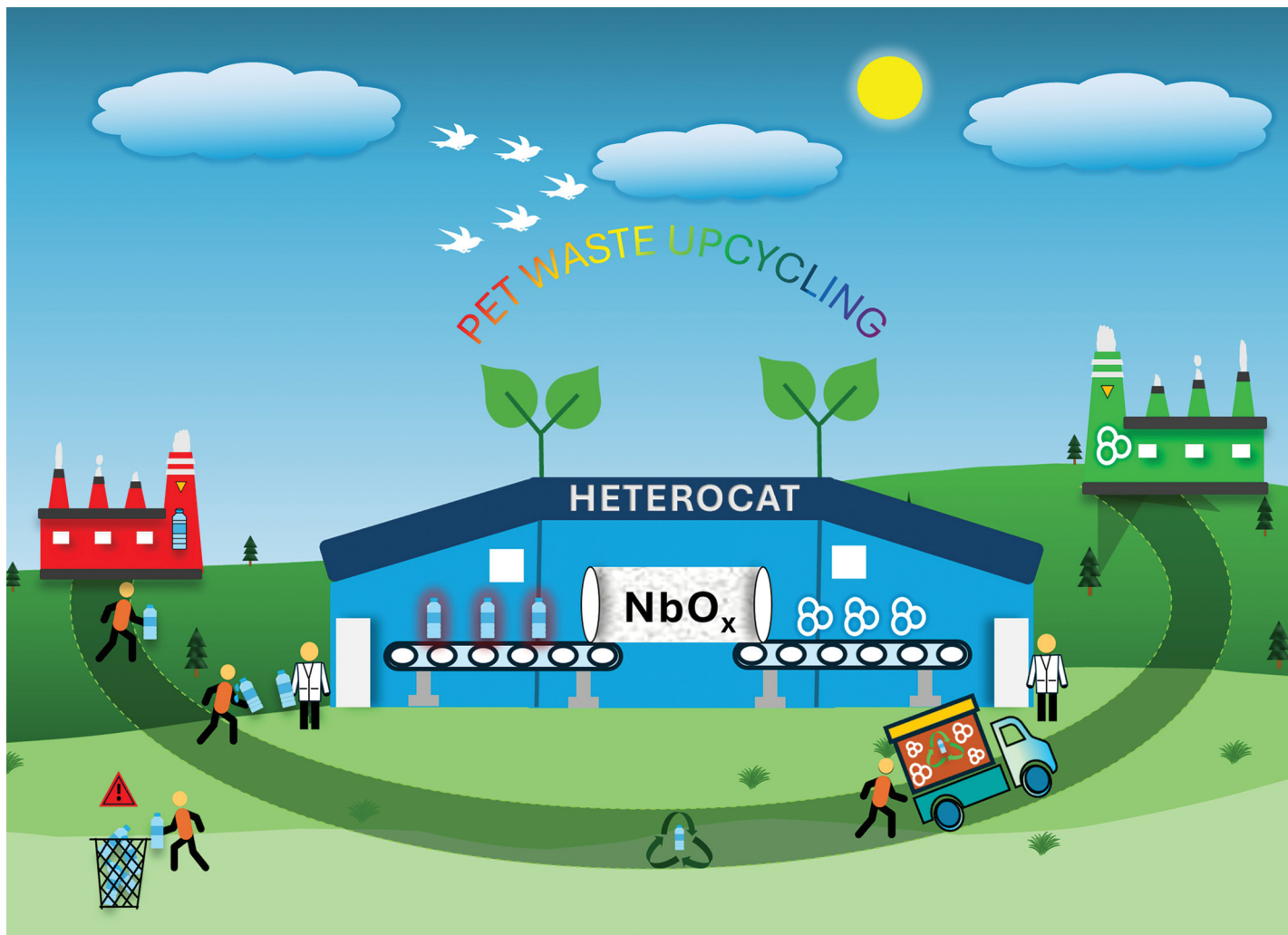




Showcasing research from Professor Sudarsanam's laboratory, Department of Chemistry, Indian Institute of Technology Hyderabad, India.

Catalytic imidazolysis of PET plastic waste using self-assembled NbO_x nanorods

An industrially feasible catalytic process using a morphology-controlled niobium oxide has been developed to upcycle PET plastic waste into a highly valuable monomer. The catalyst stability and process scalability emphasise the significance of this work for a circular plastic industry.

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