Enhanced photocatalytic activity and optical properties over S-scheme 2D/2D 2H-MoS $_2$ - α -MoO $_3$ /NiAl-LDH nanocomposite

Project report submitted to the University of Mysore for the award of the degree of

Master of Science
in
Physics

By

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DECLARATION

We, Tejasvi Karanam Veerapura, Vikasnayak K. M. and Raghupathi H., hereby declare that the project report entitled "Enhanced photocatalytic activity and optical properties over S-scheme 2D/2D 2H-MoS₂-α-MoO₃/NiAl-LDH nanocomposite" is the result of research work done by us in fourth semester of Master's degree in physics under the guidance of Prof. Lokanath N. K., Department of Studies in Physics, University of Mysore, Manasagangotri, Mysuru. We are submitting this project report for the award of the degree of Master of Science (M.Sc.) in Physics of the University of Mysore, Mysuru, India. We further declare that this project report or any part of it has not been submitted for the award of any other degree, diploma or associateship of this or any other University or Institution.

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