



Research paper

# Iridium nanoparticles anchored $\text{WO}_3$ nanocubes as an efficient photocatalyst for removal of refractory contaminants (crystal violet and methylene blue)

M. Dhanalakshmi<sup>a, b</sup>, S. Lakshmi Prabavathi<sup>b</sup>, K. Saravanakumar<sup>b</sup>, B. Filip Jones<sup>b</sup>,  
V. Muthuraj<sup>b</sup>  

<sup>a</sup> Department of Chemistry, V. V. Vanniaperumal College for Women (Autonomous),  
Virudhunagar 626 001, Tamil Nadu, India

<sup>b</sup> Department of Chemistry, V. H. N. Senthikumara Nadar College (Autonomous),  
Virudhunagar 626 001, Tamil Nadu, India

Received 5 December 2019, Revised 4 February 2020, Accepted 26 February 2020, Available online  
27 February 2020, Version of Record 29 February 2020.