

# Accepted Manuscript

Hollow microspheres Mg-doped ZrO<sub>2</sub> nanoparticles: Green assisted synthesis and applications in photocatalysis and photoluminescence

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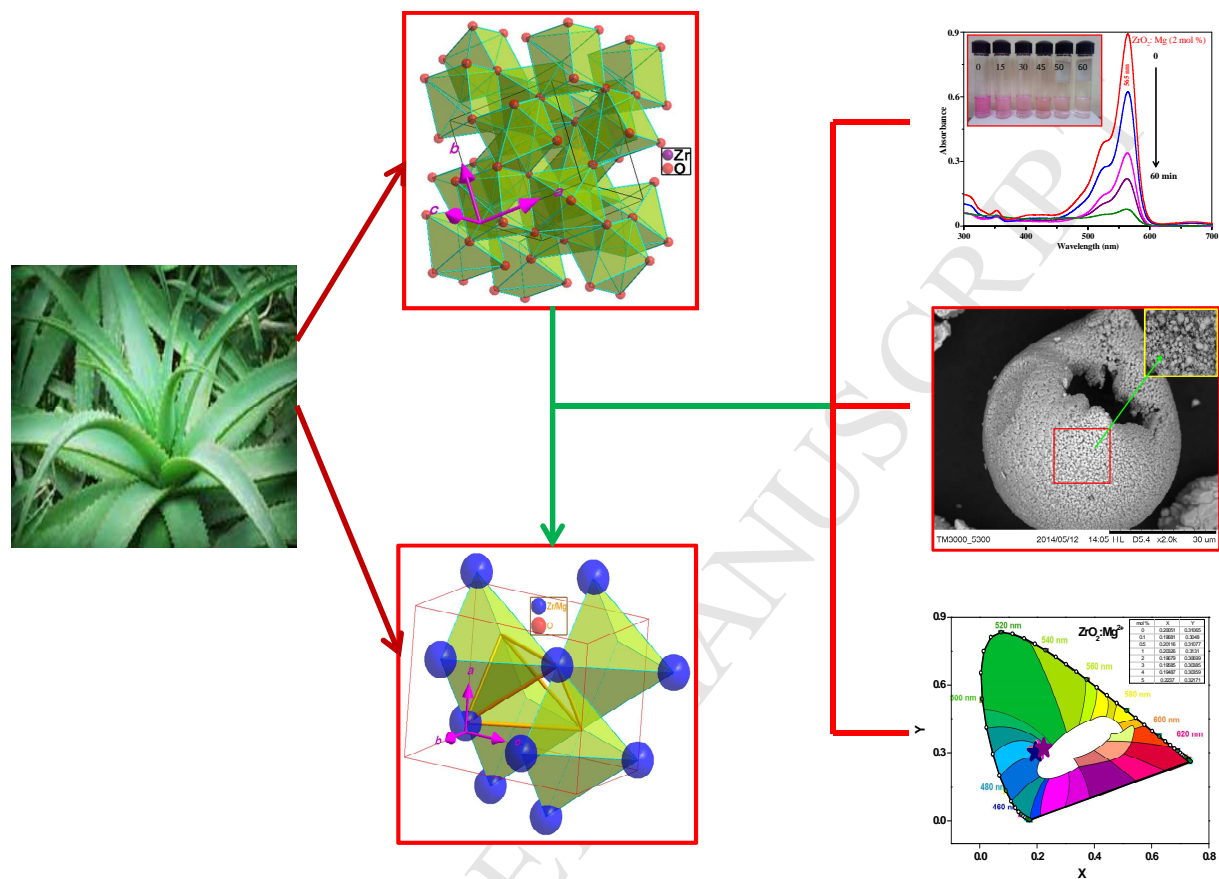
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## GRAPHICAL ABSTRACT



**Facile green assisted route synthesis of ZrO<sub>2</sub>: Mg<sup>2+</sup> (0.1-5 mol %) NPs with hollow microspheres for photocatalysis for environmental clean-up as well as for display devices.**

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