





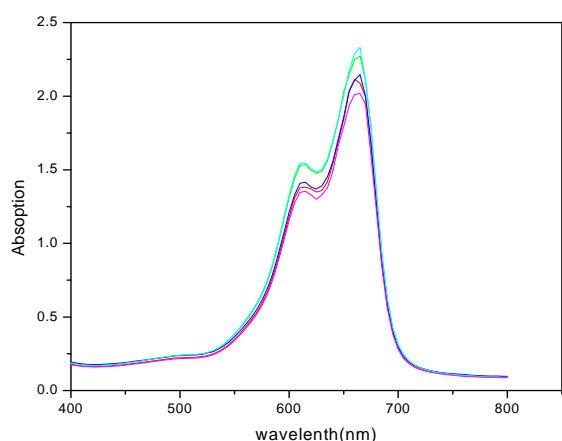






## 8. Application

### Photocatalyst Test



#### 1.10 UV-Vis absorption spectra during photocatalytic reaction of MB

In the present work the as prepared  $\text{NiCo}_2\text{O}_4$  hexagonal nanoflakes were dispersed in the methylene blue dye solution and illuminated UV light for different time intervals (0-4 hours) and their absorption were recorded. The absorption results are shown in **Fig 1.10**. Absorption results indicate that  $\text{NiCo}_2\text{O}_4$  hexagonal nanoflakes exhibits poor degradation efficiency. This may be attributed to poor surface area and high electron hole recombination rate present in  $\text{NiCo}_2\text{O}_4$ .

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