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# Facile room temperature CTAB-assisted synthesis of mesoporous nano-cobalt ferrites for enhanced magnetic behaviour

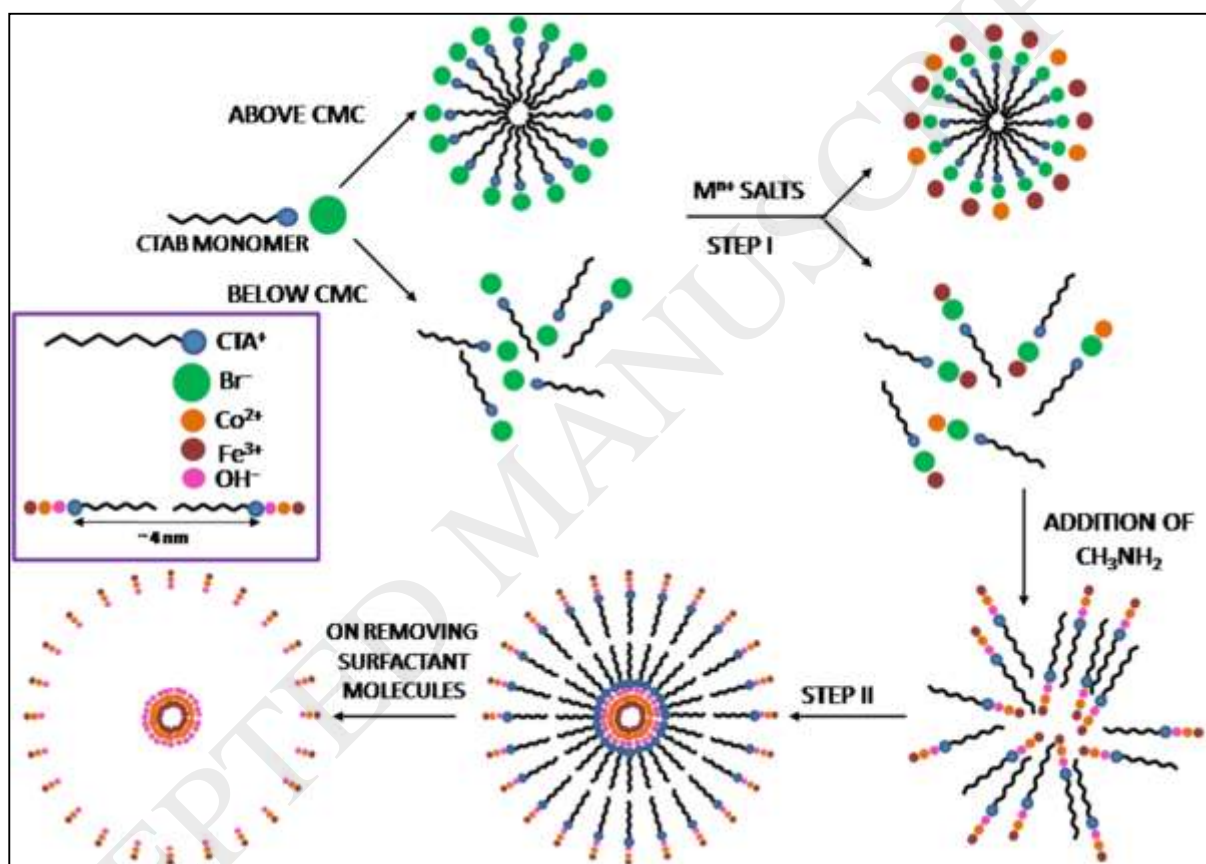
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## Graphical abstract



## Highlights

- Synthesis of mesoporous nano-cobalt ferrites are carried out CTAB medium.
- Crystalline cobalt ferrite phase was formed below CMC of CTAB.
- Bilayer arrangement of CTA-OH-Fe-Co growing units leads to inter-particle pores.
- Enhanced magnetic properties ( $M_s$  and  $H_c$ ) were obtained in synthesized cobalt ferrites.

## Abstract

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