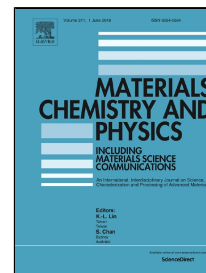


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Preparation and characterization of magnetic keratin nanocomposite

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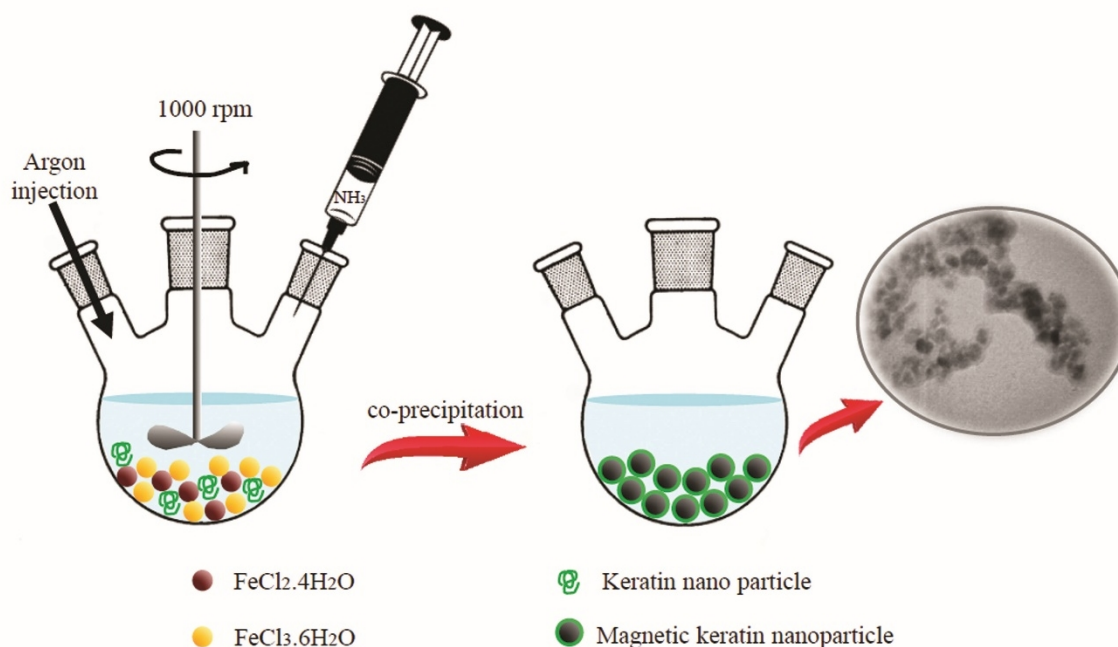
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Graphical abstract



Highlights

- Magnetic keratin nanocomposite was produced using the co-precipitation method.
- TEM showed a core-shell structure with a mean size of 15.0 nm for the nanocomposite.
- TGA revealed that 8.4% of the nanocomposite weight was keratin.
- The produced nanocomposite removed 98% of Cu(II) from aqueous solution.

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