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## Fabrication of Magnetically Modified Chlorella pyrenoidosa Microalgae Using Poly(diallyldimethyl ammonium)-stabilised Magnetic Nanoparticles

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## Abstract

© 2016, Springer Science+Business Media New York.We report fabrication of magnetically responsive Chlorella pyrenoidosa cells using poly(diallyldimethyl ammonium chloride)-stabilised iron oxide nanoparticles. The nanoparticles were characterised using transmission electron microscopy and dark-field microscopy. The interaction of magnetic nanomaterials with C. pyrenoidosa cells was studied, and high biocompability of these nanomaterials was demonstrated.

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## Keywords

Cell surface engineering, Chlorella pyrenoidosa, Magnetic modification, Magnetic nanoparticles, TEM