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Research Article

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[Acid Hydrolysis-Mediated preparation of Nanocrystalline Cellulose from Rice Straw](#)

Published On: June 19, 2017 | Pages: 051 - 056

Author(s): Aminu Musa*, Mansor B Ahmad, Mohd Zobir Hussein and Saiman Mohd Izham

Rice straw is available in abundance as an agricultural waste and has been used in various applications. ...

[Abstract View](#) | [Full Article View](#) | DOI: 10.17352/2455-3492.000021

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[Synthesis, Characterization and Imaging of Fluorescein Isothiocyanate Conjugated Magnetite Nanoparticles in MCF 7 Breast Cancer Cell Lines](#)

Published On: June 10, 2017 | Pages: 044 - 050

Author(s): Mohammad E Khosroshahi* and Maral Asemani

In this work we describe fabrication, characterization and possible application of FITC (fluorescein isothiocyanate) conjugated magnetite nanoparticles (MNPs) for biomedical applications such as imaging of cancer cells. ...

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Review Article

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[Review on Pickering emulsions stabilized by adsorbed nanoparticles: Structure, Thermodynamics, Cage Effect and Subdiffusion](#)

Published On: August 31, 2017 | Pages: 057 - 076

Author(s): M Benhamou* and S El-Moudny

In this review paper, we report on some very recent findings dealt with the oil-in-water Pickering emulsions, stabilized by a strong adsorption of charged solid nanoparticles on the surface of the oil droplets. Here, we are concerned with three important questions: (1) Structure and thermodynamics of these emulsions, ...

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