



## Graphical Abstracts/Eur Polym J 77 (2016) iii–vi

## FEATURE ARTICLE

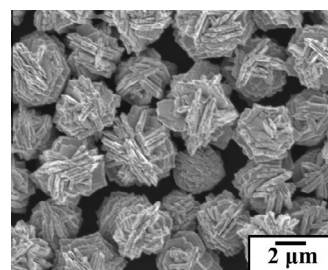
## Aqueous core colloidosomes with a metal shell

Qian Sun, Alexander F. Routh

Department of Chemical Engineering and Biotechnology, BP Institute, University of Cambridge, Madingley Road, Cambridge CB3 0EZ, United Kingdom

Aqueous core microcapsules surrounded by an impermeable silver shell.

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## MACROMOLECULAR NANOTECHNOLOGY

## The effect of nanofiller geometry and compounding method on poly(lactic acid) nanocomposite films

Erin M. Sullivan<sup>a</sup>, Parvin Karimineghlani<sup>b</sup>, Mohammad Naraghi<sup>c</sup>, Rosario A. Gerhardt<sup>a</sup>, Kyriaki Kalaitzidou<sup>a,d</sup>

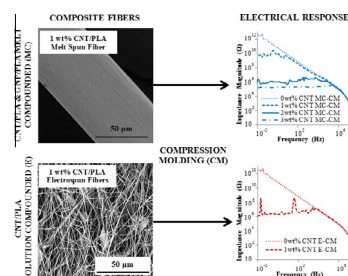
<sup>a</sup>School of Materials Science and Engineering, Georgia Institute of Technology, 771 Ferst Drive, Atlanta, GA 30332, USA

<sup>b</sup>Department of Materials Science and Engineering, Texas A&M University, 3003 TAMU, College Station, TX 77843, USA

<sup>c</sup>Department of Aerospace Engineering, Texas A&M University, 3141 TAMU, College Station, TX 77843, USA

<sup>d</sup>G.W. Woodruff School of Mechanical Engineering, Georgia Institute of Technology, 801 Ferst Drive, Atlanta, GA 30332, USA

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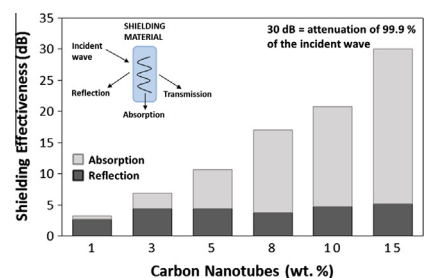
Electromagnetic interference shielding and electrical properties of nanocomposites based on poly(styrene-*b*-ethylene-*ran*-butylene-*b*-styrene) and carbon nanotubesScheyla Kuester<sup>a,c</sup>, Guilherme M.O. Barra<sup>a</sup>, José Carlos Ferreira Jr.<sup>a</sup>, Bluma G. Soares<sup>b</sup>, Nicole R. Demarquette<sup>c</sup>

<sup>a</sup>Universidade Federal de Santa Catarina, Departamento de Engenharia Mecânica, Florianópolis, SC, Brazil

<sup>b</sup>Departamento De Engenharia Metalúrgica E De Materiais, Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil

<sup>c</sup>École de technologie supérieure de Montréal, Mechanical Engineering Department, Montreal, QC, Canada

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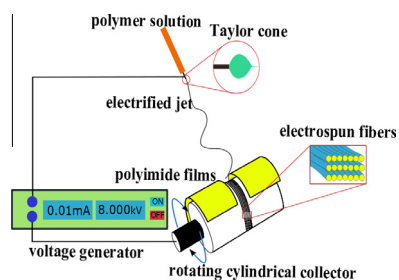


### Electrospinning of well-aligned fiber bundles using an End-point Control Assembly method

Duc-Nam Nguyen, Yonghwan Hwang, Wonkyu Moon

Department of Mechanical Engineering, Pohang University of Science and Technology (POSTECH), San 31, Hyojadong, Namgu, Kyungbuk 790-784, South Korea

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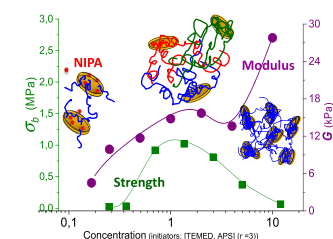
### REGULAR ARTICLES

### Poly(N-isopropylacrylamide)-clay hydrogels: Control of mechanical properties and structure by the initiating conditions of polymerization

Beata Strachota, Jiří Hodan, Libor Matějka

Institute of Macromolecular Chemistry, Academy of Sciences of the Czech Republic, Heyrovsky Sq. 2, 162 06 Prague 6, Czech Republic

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### Post-polymerization modification of poly(lactic acid) via radical grafting with itaconic anhydride

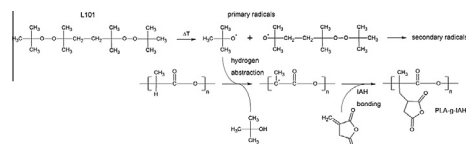
Josef Petruš<sup>a</sup>, František Kučera<sup>a,b</sup>, Jaroslav Petruj<sup>b</sup>

<sup>a</sup>Central European Institute of Technology, Brno University of Technology, Purkyňova 123, 612 00 Brno, Czech Republic

<sup>b</sup>Brno University of Technology, Faculty of Chemistry, Institute of Materials Chemistry, Purkyňova 118, 612 00 Brno, Czech Republic

Simplified scheme illustrating PLA grafting with itaconic anhydride initiated by free radicals in melt.

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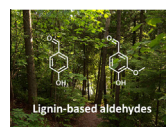
### Aromatic dialdehyde precursors from lignin derivatives for the synthesis of formaldehyde-free and high char yield phenolic resins

Gabriel Foyer<sup>a</sup>, Bibi-Hadidja Chanfi<sup>a</sup>, David Virieux<sup>b</sup>, Ghislain David<sup>a</sup>, Sylvain Caillol<sup>a</sup>

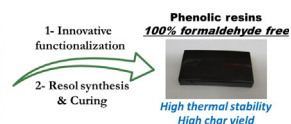
<sup>a</sup>Institut Charles Gerhardt UMR-5253, CNRS, Université de Montpellier, ENSCM, 8 rue Ecole Normale, 34296 Montpellier, France

<sup>b</sup>Institut Charles Gerhardt - AM2N, UMR 5253, ENSCM, 8, rue de l'Ecole Normale, 34296 Montpellier, France

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Lignin-based aldehydes



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