

**TEMPLATE OF THE PROCEEDINGS OF THE ICCC/EUCHIS 2015
CONFERENCE ON CHITOSAN DERIVED FROM THE EXOSKELETON OF
BLUE SHRIMP (*Penaeus stylostris*)**

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ABSTRACT

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KEYWORDS

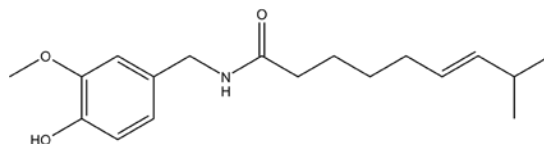
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INTRODUCTION

Please read carefully the relevant instructions at the beginning of each Section of this template. Use Times New Roman, font 12 for the main text. Cite references using numbers in brackets [1]. Use single spacing and do not move the margins and indents. Keep paragraphs justified. The extension of the entire manuscript should not exceed a total of 10 pages including references. Save the document with the surname of the first author and the initials (e.g., Smith_P.doc)

List of abbreviations: CS = chitosan; CN = chitin; CDA = chitin deacetylase; DA = degree of acetylation

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Scheme I. Capsaicin

EXPERIMENTAL

Provide the characterization of the chitin/chitosan samples used (M_w and degree of acetylation) and indicate how these parameters were determined.

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RESULTS AND DISCUSSION

Use Word equations editor and number all equations as in Eq (1) below.

$$I(q) * q^2 = -B + 1/q^2 * C \quad (1)$$

Paste Figures as images directly in the place where they appear in the paper, ideally at the top or bottom of the page. In the text, refer to figures by abbreviating (Fig. 1). Make sure that legends of axes in the figure are legible. Captions to figures should be self-explanatory. Color in figures will only appear in the electronic version of the proceedings and not in the printed version.

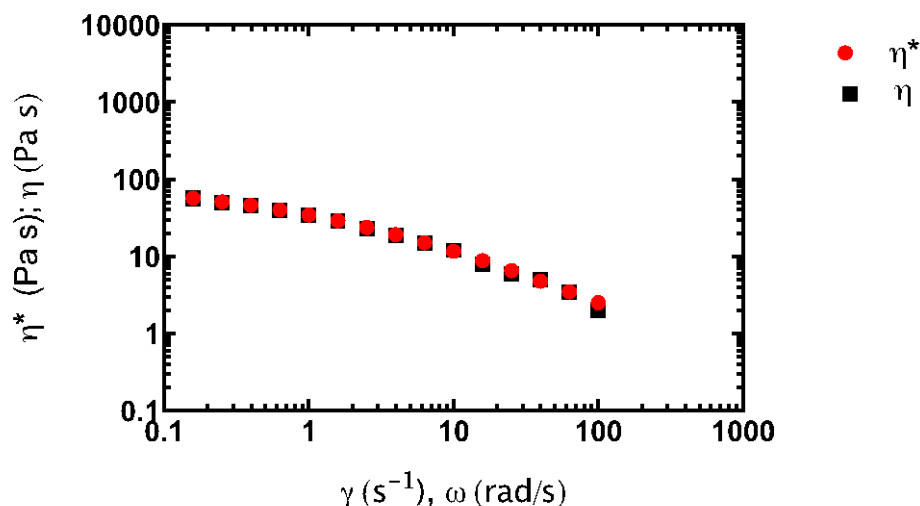


Figure 1. Cox-Merz superposition for the dependence of the complex viscosity (η^* , circles) and the steady-shear viscosity (η , boxes) on the frequency of oscillation (ω) and steady shear (γ), respectively, of a chitosan solution (Sample A; 15 mg/mL in 0.1 M acetic acid at 25°C). Measurements of η^* and η were made by small-deformation oscillatory and steady-shear rheological determinations, respectively ($n=1$).

Use the following format for the Tables. Captions in Tables should be self-explanatory. If using abbreviations, define them again as footnotes of the Table, even if they have been given in the list of foot notes on Page 1. Do not change the font size.

Table 1. Physicochemical characteristics of chitosan samples

Sample Code	DA (%) ^a	M_w ^b	M_n ^b	I_p ^b	DP ^c
A	4.0	406000	305300	1.33	2489
B	13.0	406000	305300	1.33	2489
C	30.0	406000	305300	1.33	2489
D	45.0	406000	305300	1.33	2489
E	27.1	11530	8120	1.42	67
F	51.0	11420	6012	1.90	63

^a Degree of N-acetylation as determined by ¹H NMR spectroscopy

^b Parameters determined by HP-SEC with multidetection (MALLS-RID): Weight average molecular weight (M_w); number average molecular weight (M_n); polydispersity index ($I_p = M_w/M_n$)

^c Degree of polymerization ($DP = M_w/\text{molar mass per residue}$)

CONCLUSION

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ACKNOWLEDGMENTS

This work has been supported by...

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- [1] Cruzat, L.; Cárdenas, G. & Miranda, S.P. (2003). The influence of chitin in tubular morphogenesis in plants. *Carbohydrate Polymers*, 36, 58-65
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