

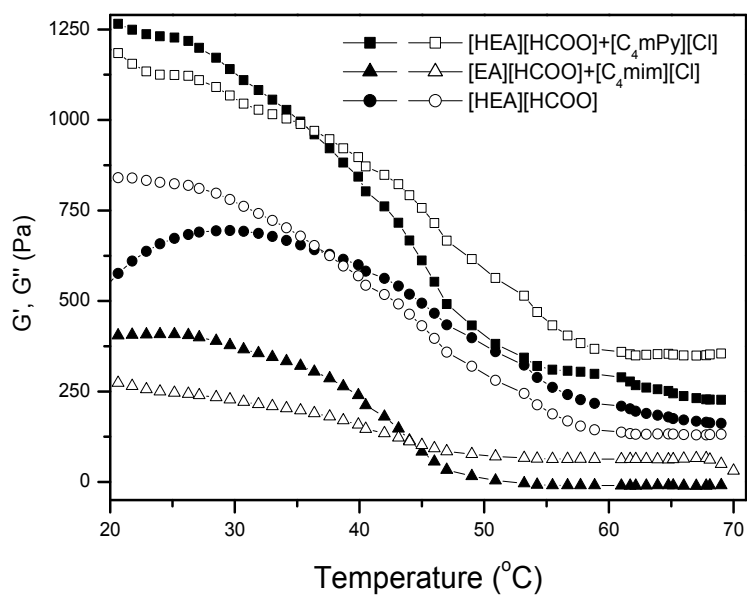
**Supporting information for:**

**Agarose processing in mixed protic-aprotic ionic liquid systems: high conductivity high strength ionogels**

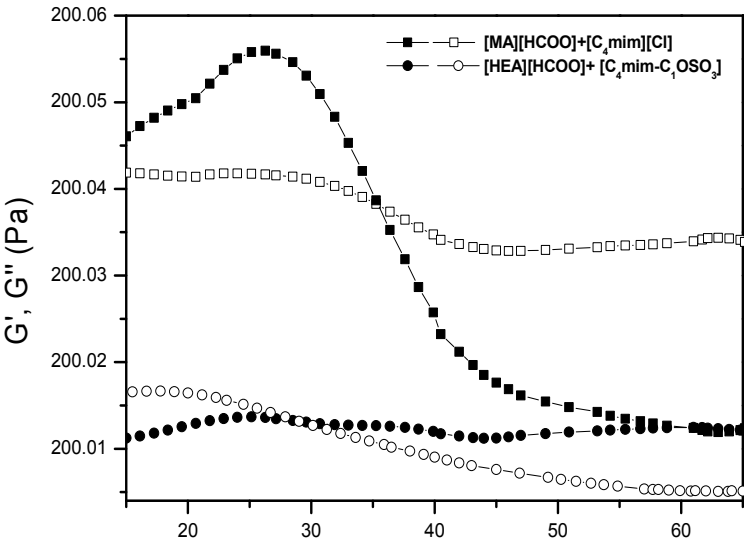
Tushar J. Trivedi,<sup>§</sup> R. D. Rogers,<sup>¶</sup> D. N. Srivastava,<sup>§</sup> and Arvind Kumar<sup>§,\*</sup>

<sup>§</sup>*CSIR-Central Salt and Marine Chemicals Research Institute, G. B. Marg, Bhavnagar-364002, Gujarat, India*

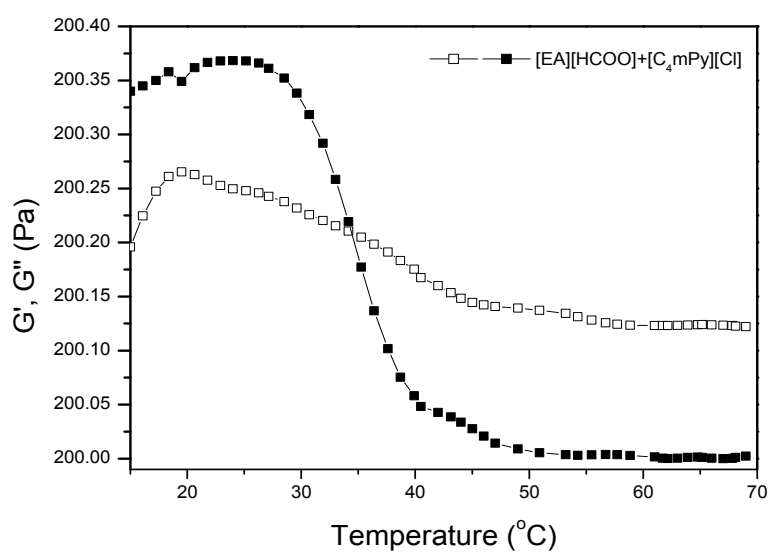
<sup>¶</sup>*Center for Green Manufacturing and Department of Chemistry, The University of Alabama, Tuscaloosa, AL 35487*



**Fig. S1** Strain dependence of dynamic storage (solid symbol) and loss moduli (open symbol) ( $G'$  and  $G''$ ) of ionogels prepared in: [HEA][HCOO] (●), [HEA][HCOO]+[C<sub>4</sub>mPy][Cl] (■), [EA][HCOO]+[C<sub>4</sub>mim][Cl] (▲).



**Fig. S2.** Strain dependence of dynamic storage (solid symbol) and loss moduli (open symbol) ( $G'$  and  $G''$ ) of ionogels prepared in:  $[HEA]+[C_4mim][C_1OSO_3]$  (●),  $[MA][HCOO]+[C_4mim][Cl]$  (■).



**Fig. S3.** Strain dependence of dynamic storage (solid symbol) and loss moduli (open symbol) ( $G'$  and  $G''$ ) of ionogels prepared in: [EA][HCOO]+[C<sub>4</sub>mPy][Cl] (■).