Electronic Supplementary Material (ESI) for New Journal of Chemistry.

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## Supplementary material

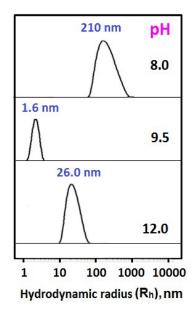
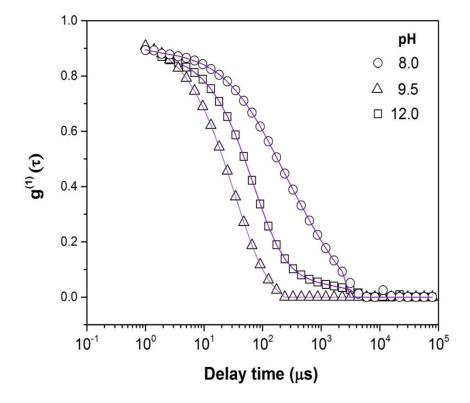
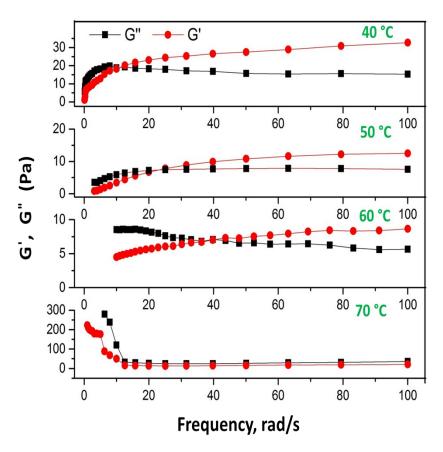


Fig.1. Hydrodynamic radius of NaOl (100 mM) at different pH and 30 °C



**Fig. 2.** Correlation function diagrams of 100 mM NaOl solution recorded at different pH and 30°C. The solid lines represent the fit to the data based on CONTIN analysis.



**Fig. 3.** Dynamic rheological responses for 100 mM NaOl (pH $\sim$ 12) micellar solution at different temperature.