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## A water mediated approach for the preparation of conductive Poly (3,4ethylenedioxythiophene) decorated poly (methyl methacrylate) microcomposites

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## **Supporting Information**

Zeta Potential Distribution

300000
200000
100000
Apparent Zeta Potential (mV)

 $\textbf{Figure S1}. \ \textbf{Zeta potential distribution of PMMA latex prepared by surfactant free eulsion polymerization}$ 

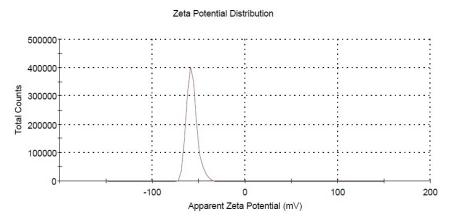


Figure S2. Zeta potential distribution of EDOT emulsion prepared by acoustic emulsification

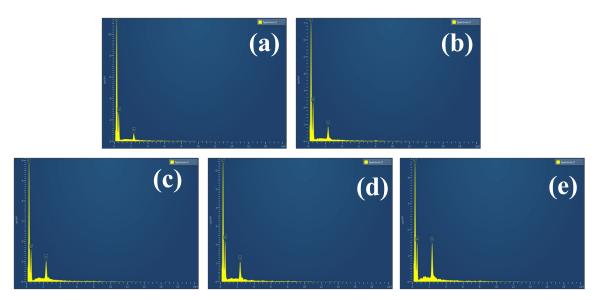


Figure S3. EDX spectra of PMMA-PEDOT composites at different PEDOT loading: (a) 4.38 wt%, (b) 7.08 wt%, (c) 9.77 wt% (d) 10.20 wt% and 16.66 wt%