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

Ag incorporated CeO_2 Nano Cauliflowers for High Performance Supercapacitor Devices

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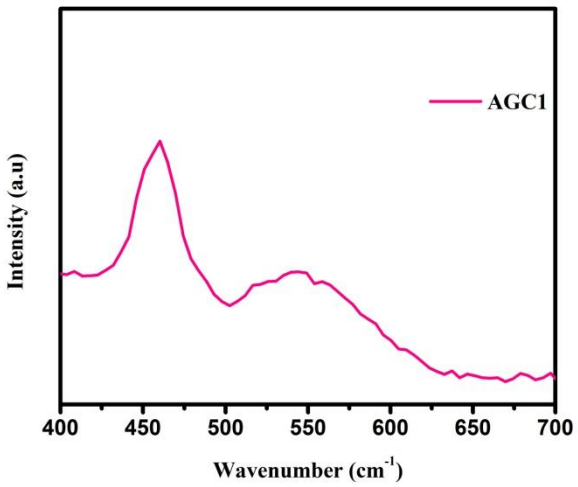

Fig S1. FT- Raman spectrum of AGC1

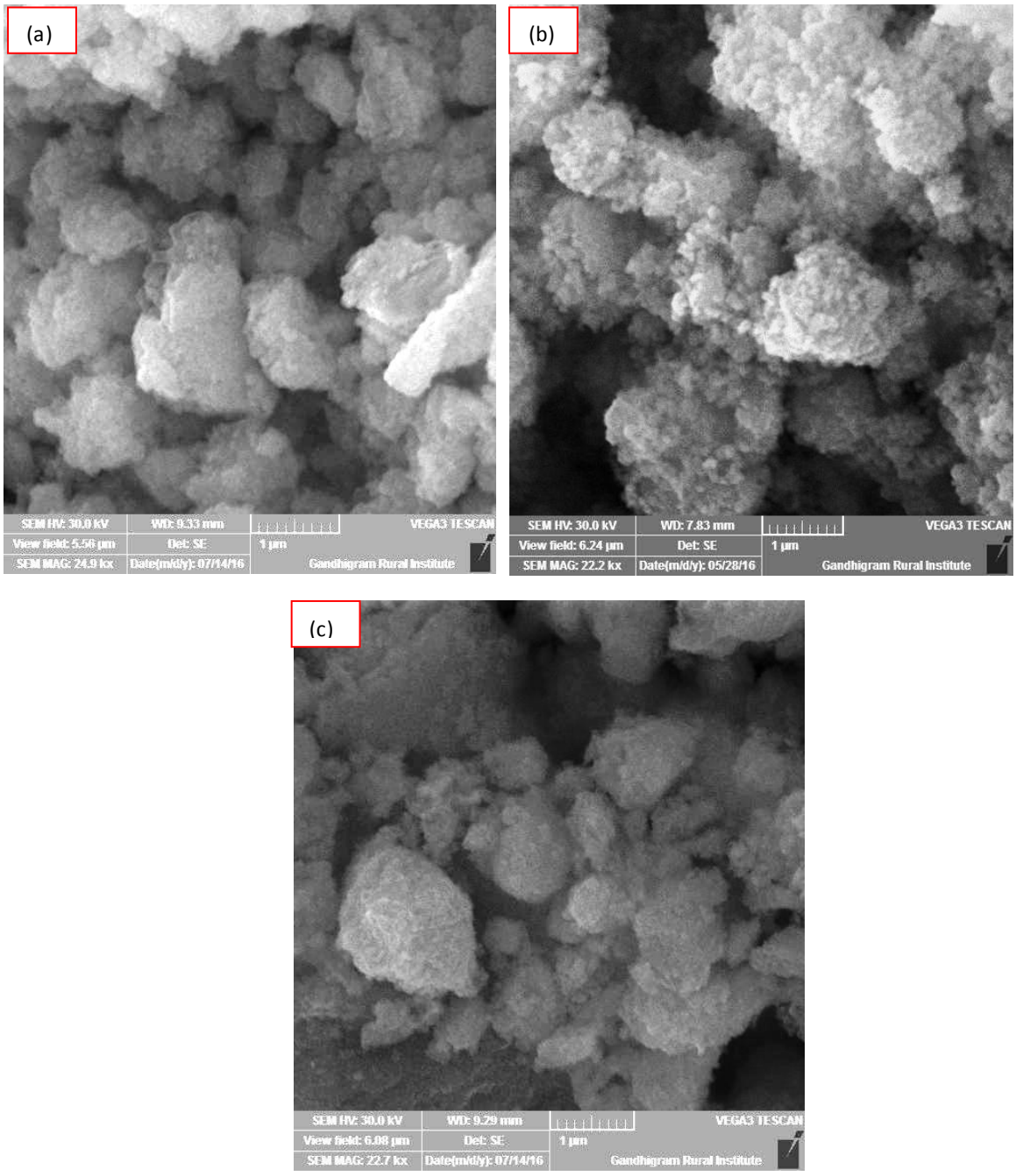

Fig S2. SEM images of (a) CeO_2, (b) AGC1 and (c) AGC3

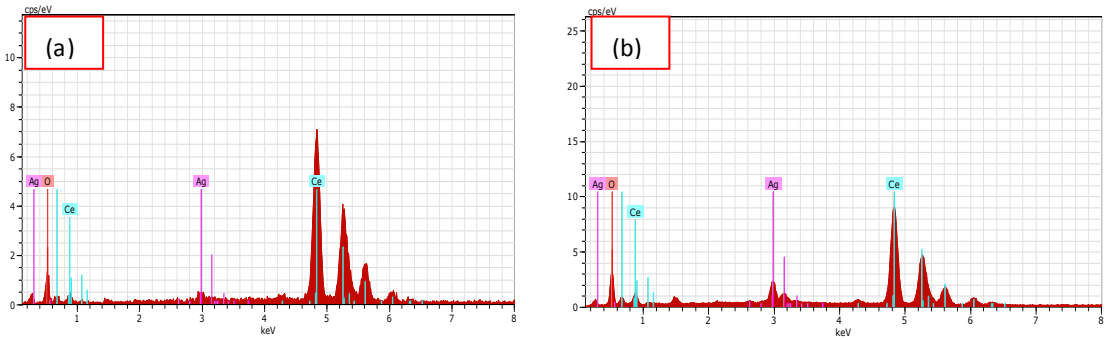

Fig S3. EDAX analysis of (a) AGC1,(b) AGC3

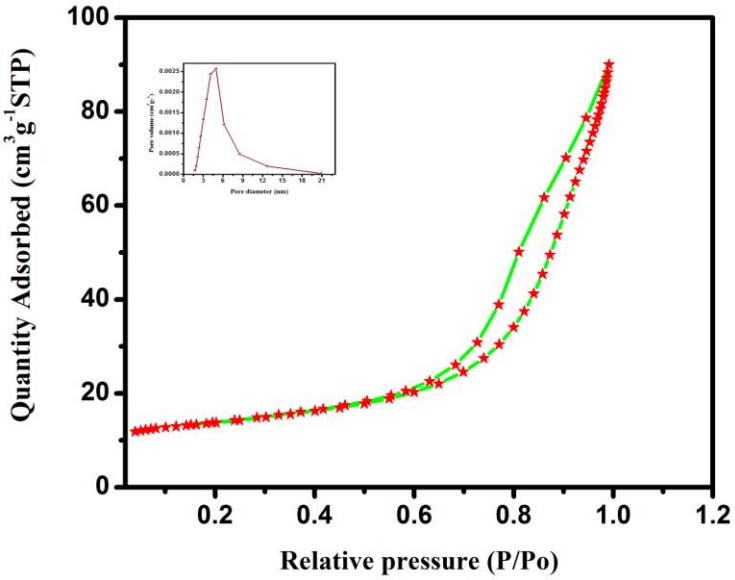

Fig S4. Nitrogen adsorption- desorption isotherm of CeO_2 and inset shows the pore size distribution

The measured specific surface area of CeO_2 was 49.64 m^2/g and the pore size distribution in the range of 5.7nm indicating the mesoporous nature of material.

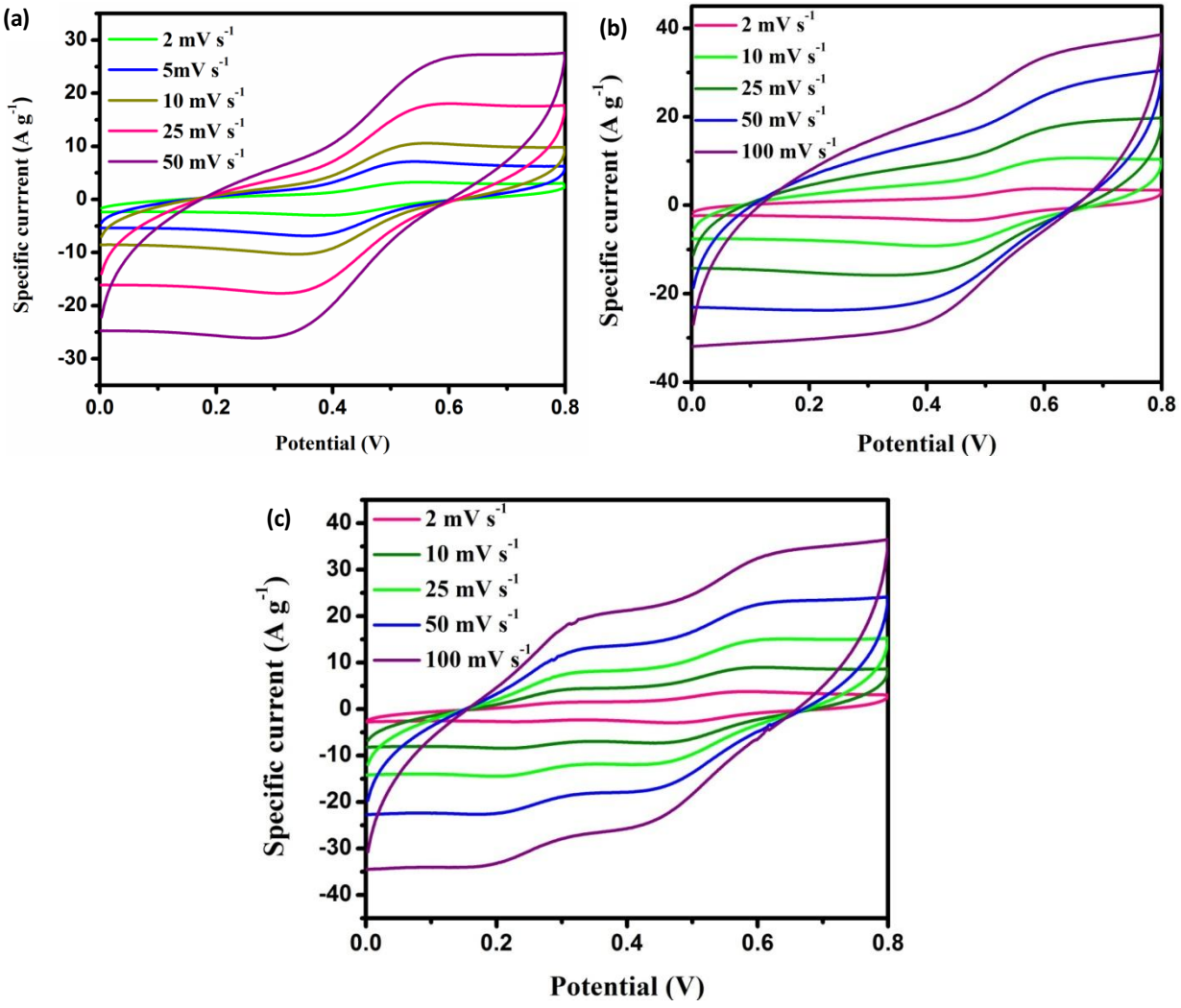

Fig S5. CV curves of (a) CeO_2, (b) AGC1, (c) AGC3 electrodes at different scan rates,

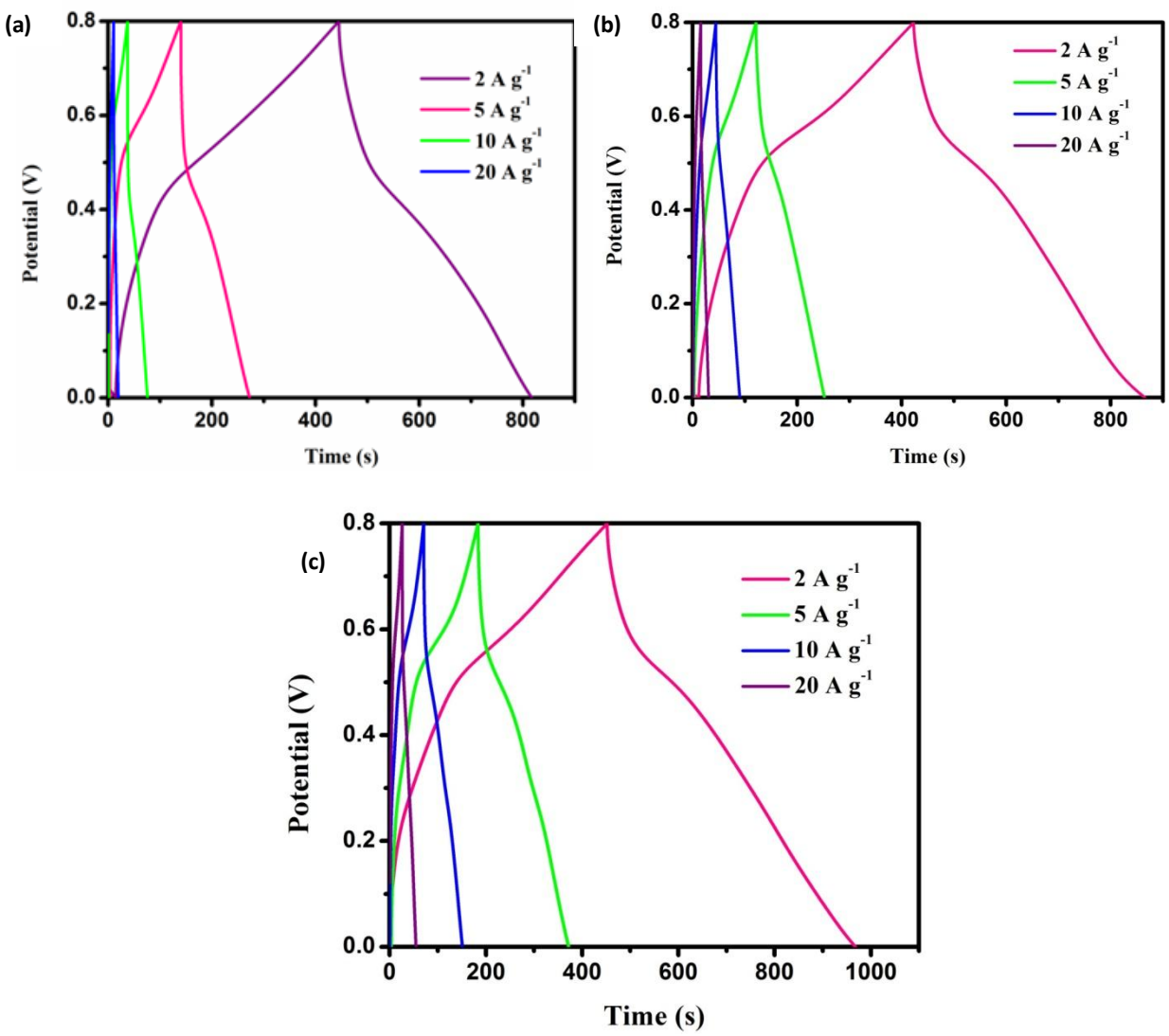

Fig S6. CHDH curves of (a) CeO_2, (b) AGC1, (c) AGC3 electrodes at different current densities

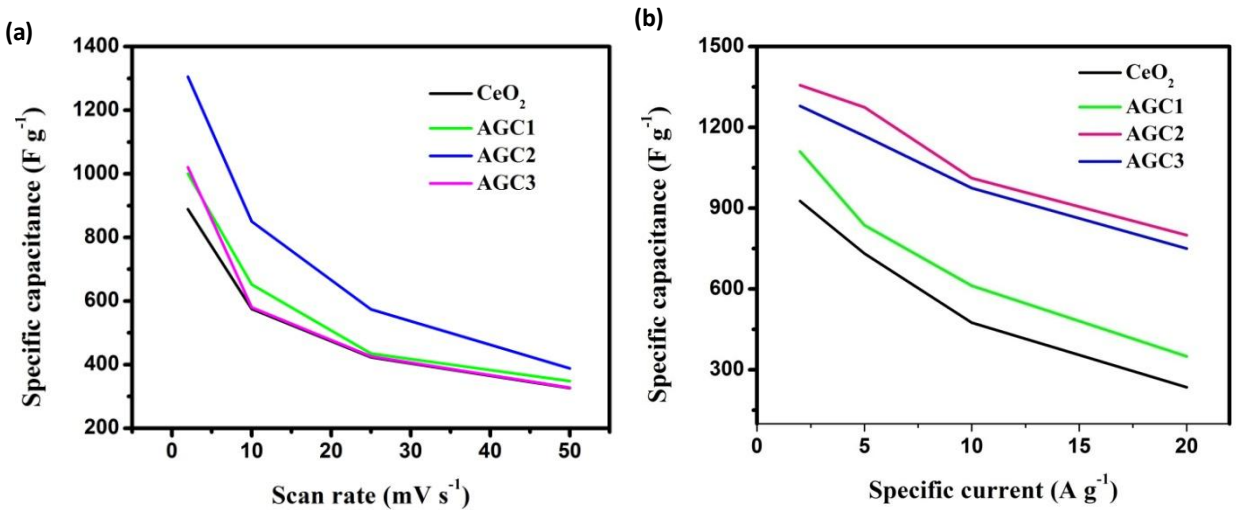

Fig S7. Variations of specific capacitance of CeO_2 and CeO_2: Ag electrodes with (a) scan rates (b) current densities