Supplementary Information

Biomass-derived activated carbon from *Cyperus pangorei* for high-performance supercapacitor electrodes

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Three electrode system configuration

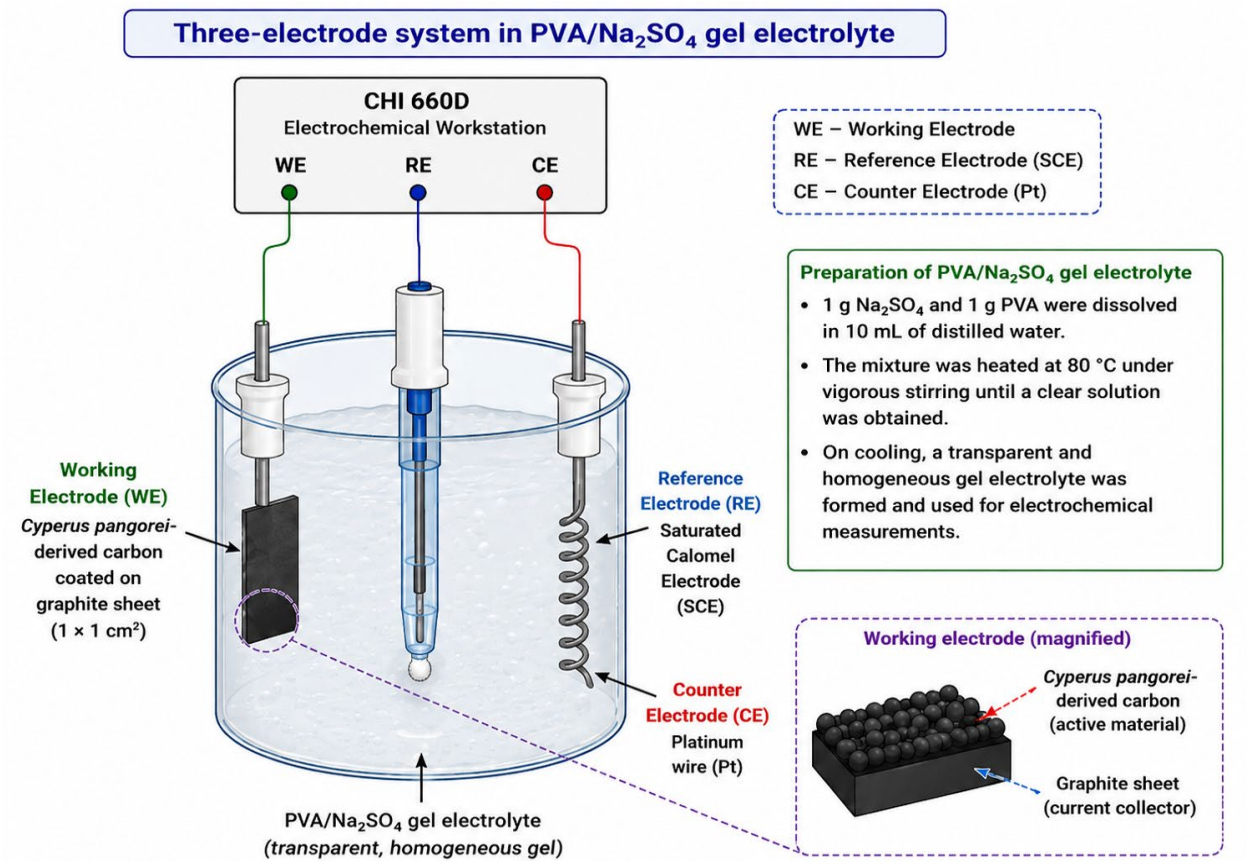

Fig. S1. Three electrode system configuration

A PVA–Na_2SO_4 gel polymer electrolyte was prepared by dissolving 1 g of PVA and 1 g of Na_2SO_4 in 10 mL of distilled water under continuous stirring at 80 °C until a homogeneous transparent gel was obtained. The freshly prepared gel polymer electrolyte was transferred to the electrochemical cell while still soft, allowing the working, reference (SCE), and counter (Pt wire) electrodes to be immersed for electrochemical measurements.