## The unique core-shell structure of ZnO/NiO heterojunction as an improved performance

## of supercapacitors via chemical bath deposition approach

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Fig. S1. Survey spectrum of ZnO, NiO, ZnO/NiO, ZnO/CuO, ZnO/FeO, and ZnO/PbO nanostructures.



**Fig. S2.** (a-b) CV and GCD curves of ZnO, (c-d) CV and GCD curves of NiO at different scan rates and current densities.



Fig. S3. (a-b) CV and GCD curves of ZnO/CuO, (c-d) CV and GCD curves ZnO/FeO at different scan rates and current densities.



Fig. S4. (a-b) CV and GCD curves of ZnO/PbO at different scan rates and current densities.



Fig. S5. EIS spectrum of ZnO/CuO, ZnO/FeO, and ZnO/PbO.