

Development of All Solid State Supercapacitors Delivering High Power Density using Carbon Derived from *P. juliflora* versus Pure and Transition Elements Doped Zinc cobaltite

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80_Recommendations

- To improve the overall performance of the S-Carbon and PB-Carbon for supercapacitor application.
- To improve the performance of the B Carbon in terms of cycling stability by using more reliant electrolyte.
- To analyse the oxidation state of the transition metal oxides before and after cycling for better understanding on the role of charge storage mechanism in the fabricated asymmetric devices.
- To prepare the composite material using ZnCo_2O_4 and Carbon material to develop the performance of the device.
- To improve on the design of the device by selection of more suitable polymer for the electrolyte and current collector.
- To develop fabric-based device with the prepared electrodes.
- To bring down the cost of the device
- To explore the device towards wearable and portable electronic devices.