Electronic Supplementary Material (ESI) for RSC Advances. This journal is © The Royal Society of Chemistry 2017

Supporting Information

$Custom\ Designed\ ZnMn_2O_4\ /Nitrogen\ Doped\ Graphene\ Composite\ Anode\ Validated\ for$ $So dium\ ion\ Battery\ Application$

Bongu Chandra Sekhar, Packiyalakshmi Parameswaran and Nallathamby Kalaiselvi*

CSIR-Central Electrochemical Research Institute, Karaikudi-630 006, Tamilnadu, India.

*Corresponding Author. Tel.: +91 4565 241427.

E-mail: kalaiselvicecri@gmail.com

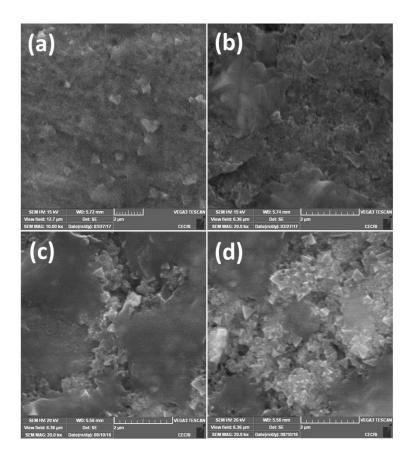


Figure S1. Post cycling SEM images of (a-b) ZMO after 150 cycles and (c-d) ZMO/NG nanocomposite electrode after 1000 charge/discharge cycles at a current density of 100 mA g⁻¹.

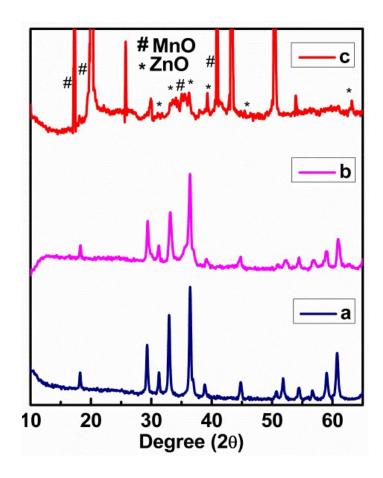


Figure S2. XRD pattern of (a) pristine ZMO, (b) ZMO/NG nanocomposite electrode and (c) ZMO/NG nanocomposite electrode after 1000 charge/discharge cycles at a current density of 100 mA g⁻¹.

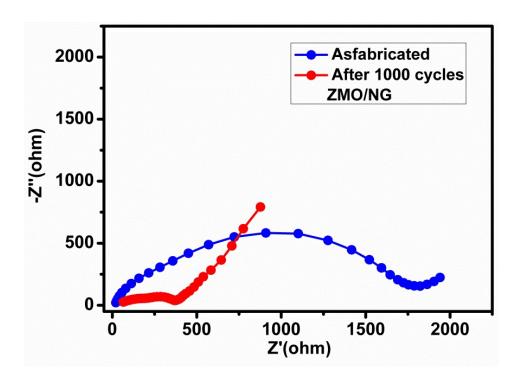


Figure S3. Electrochemical impedance spectroscopy of the cell containing ZMO/NG nanocomposite anode recorded for conditions namely as fabricated cell and the cell after completing 1000 cycles