

## ***Supporting Information***

### **Physicochemical Activation of Soap-Nut Seeds-Derived Hard Carbon as a Sustainable Anode for Lithium-Ion Batteries**

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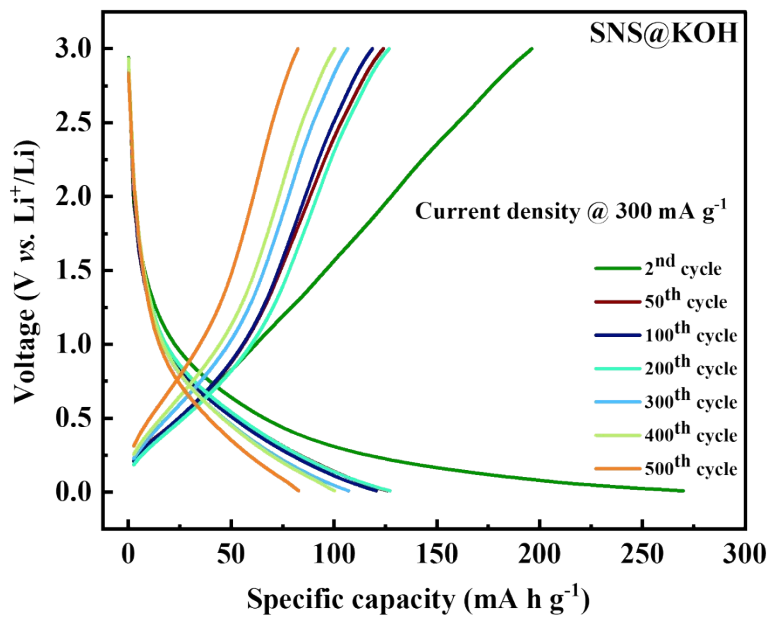
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*Fig. S1. Discharge/charge profiles for SNS@KOH hard carbon at a current density of 300 mA g<sup>-1</sup> during higher cycles. .*

**Table S1:** Electrochemical performance of biomass-derived hard carbon, SNS@KOH with earlier known natural and synthetic graphite for Li-ion battery applications.

<i>Sl. No.</i>	<i>Anode</i>	<i>Current density (mA g<sup>-1</sup>)</i>	<i>Discharge specific capacity (mA h g<sup>-1</sup>)</i>	<i>Reference</i>
1.	Natural graphite	74 (0.2 C)	378	[1]
2.	Natural graphite	74 (0.2 C)	355	[2]
3.	Synthetic graphite	37 (0.1 C)	310.3	[3]
4.	Synthetic graphite	50	347	[4]
5.	SNS@KOH	100	454	This work

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