

# Microporous Activated Carbon from *Pisum sativum* Pods Using Various Activation Methods and Tested for Adsorption of Acid Orange 7 Dye from Water

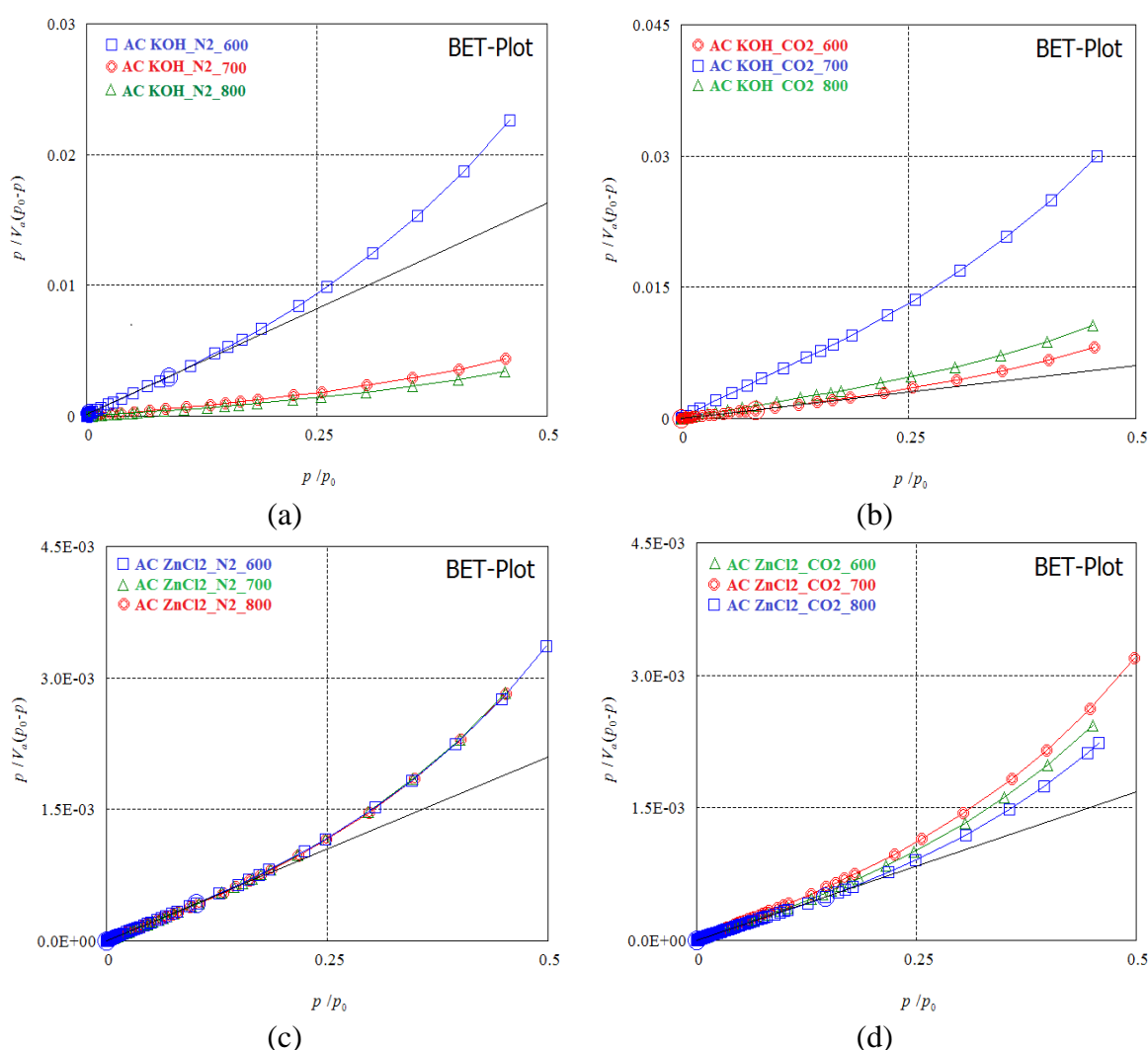
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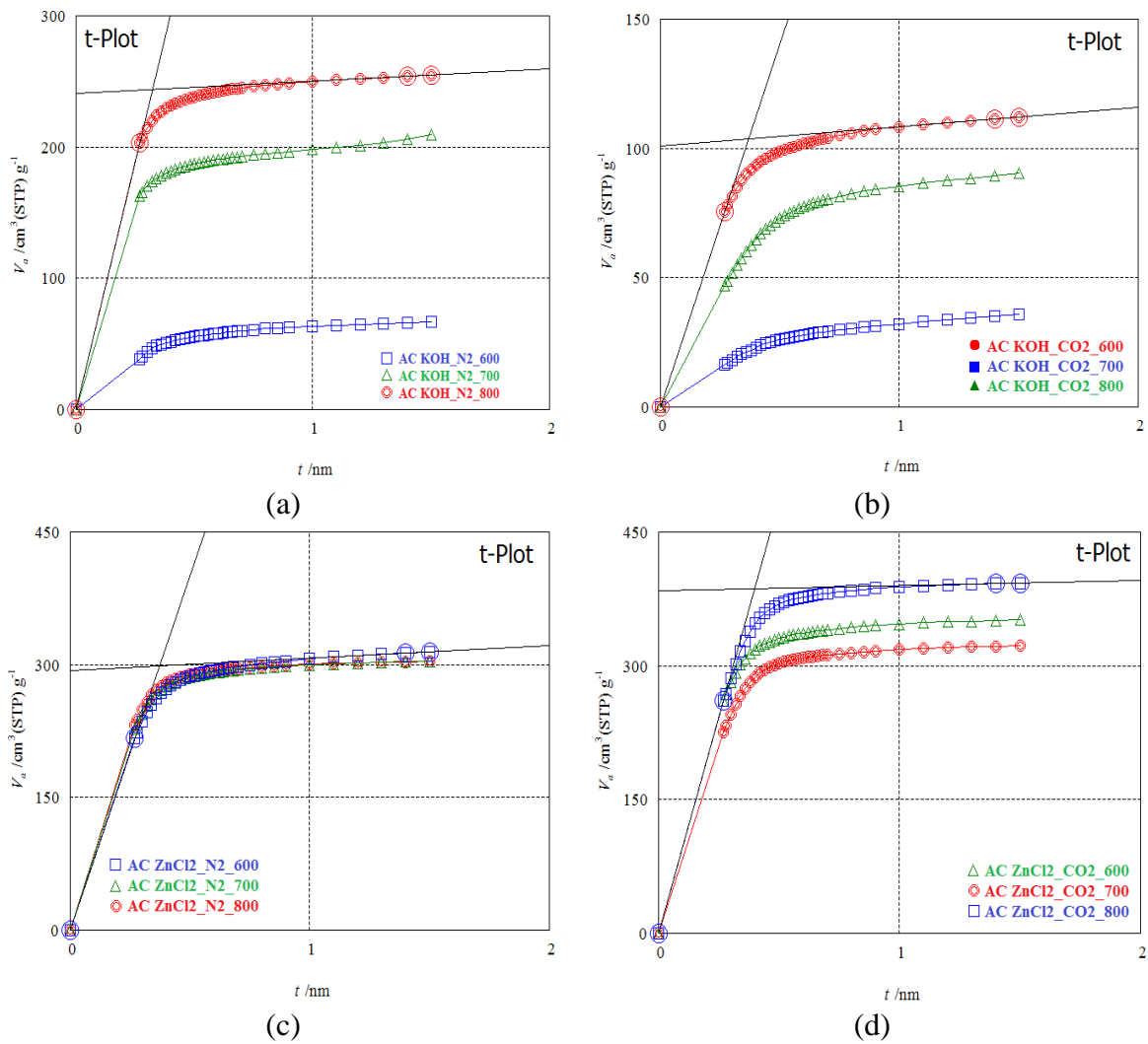
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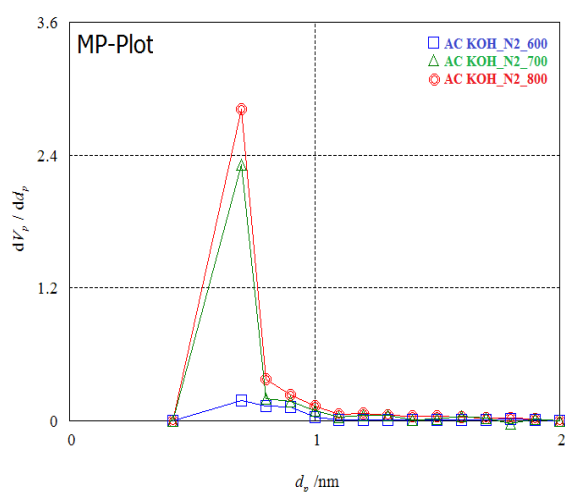
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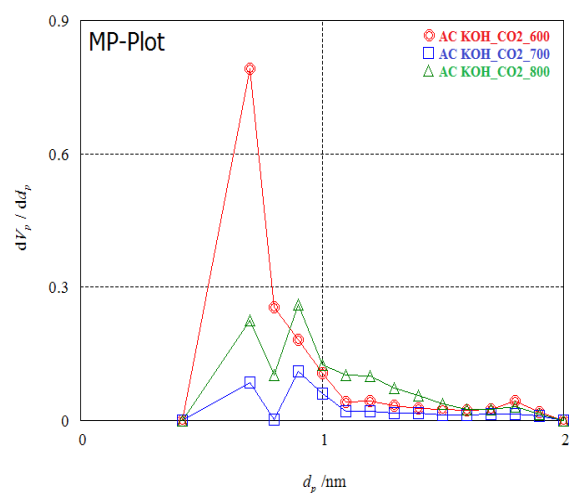
**Figure S1.** BET analysis of AC prepared from pea pods impregnated with using (a) KOH and carbonized under N<sub>2</sub> gas flow, (b) KOH and carbonized under CO<sub>2</sub> gas flow, (c) ZnCl<sub>2</sub> and carbonized under N<sub>2</sub> gas flow, and (d) ZnCl<sub>2</sub> and carbonized under CO<sub>2</sub> gas flow.



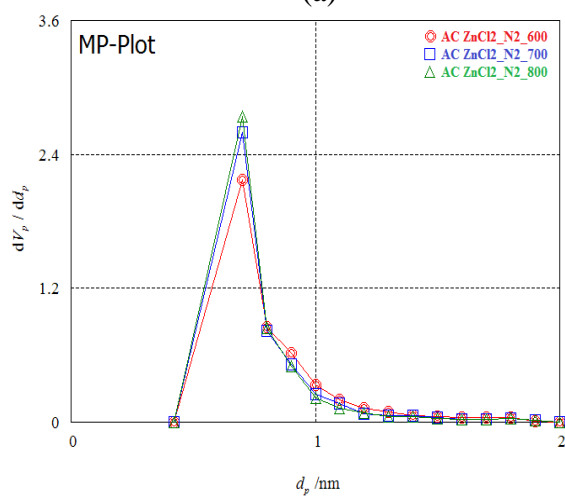
**Figure S2.** The t-plot analysis of AC prepared from pea pods impregnated with using (a) KOH and carbonized under N<sub>2</sub> gas flow, (b) KOH and carbonized under CO<sub>2</sub> gas flow, (c) ZnCl<sub>2</sub> and carbonized under N<sub>2</sub> gas flow, and (d) ZnCl<sub>2</sub> and carbonized under CO<sub>2</sub> gas flow.



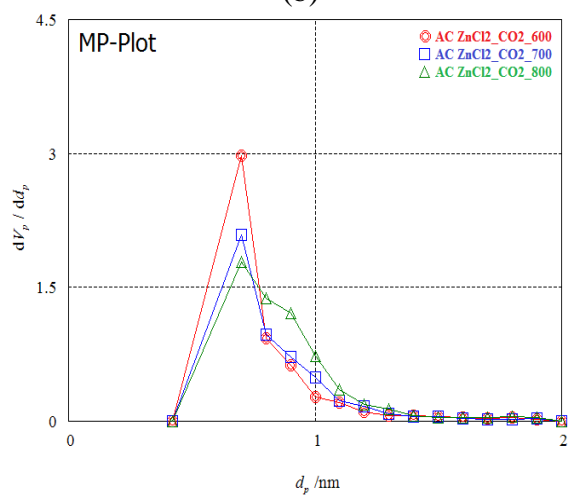
(a)



(b)



(c)



(d)

**Figure S3.** (a) MP analysis of AC KOH-N<sub>2</sub> (b) MP analysis of AC KOH-CO<sub>2</sub>, (c) MP analysis of AC ZnCl<sub>2</sub>-N<sub>2</sub> (d) MP analysis of AC ZnCl<sub>2</sub>-CO<sub>2</sub>.