

## Supporting Information

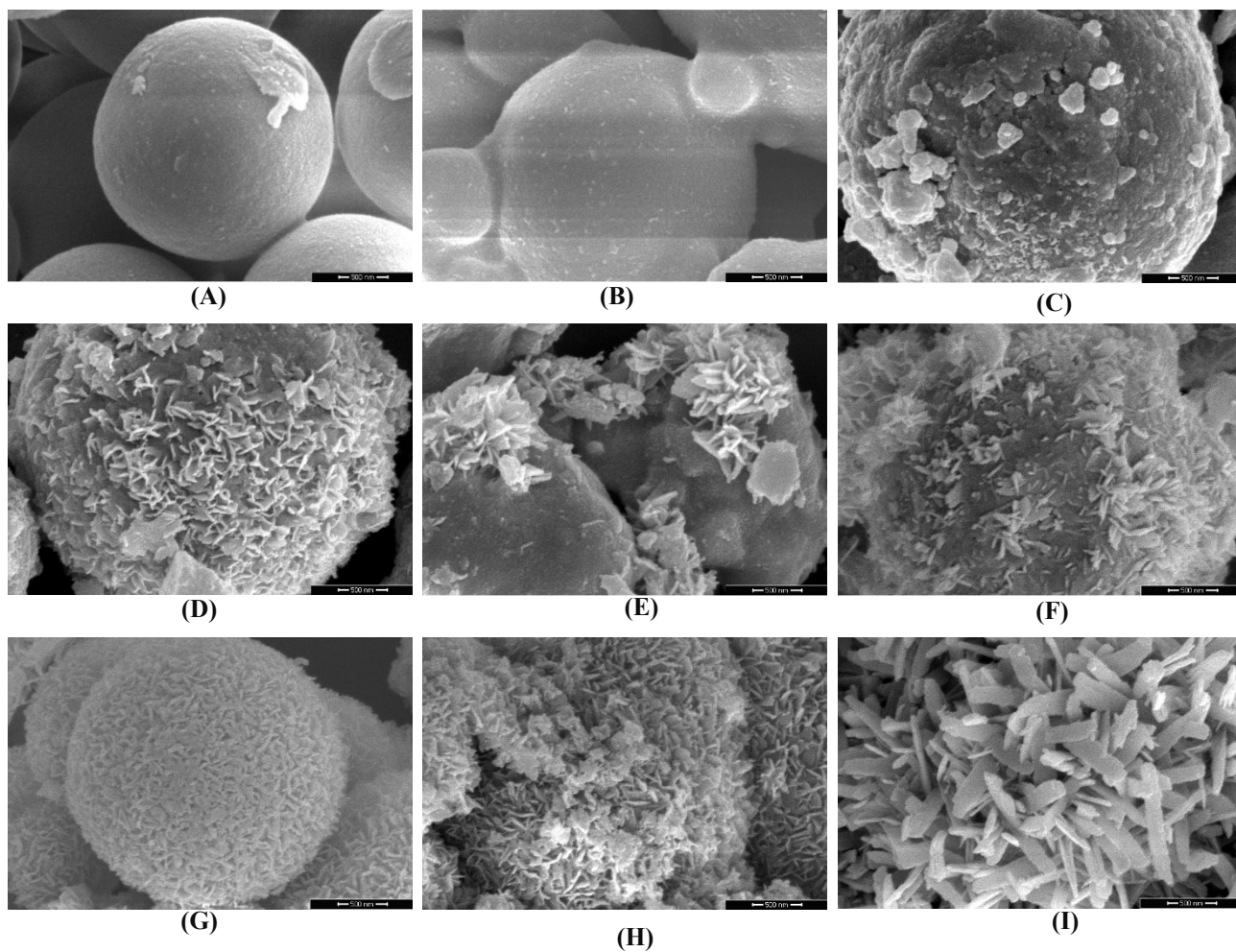
### **The Optimization Effect of Different Parameters on the Super Hydrophobicity of Prickly Shape of Carbonyl Iron Particles**

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**Figure S1** FESEM images (at 2x magnification) of structural characterization of obtained particles at the different conditions of synthesis A (Run 6), B (Run 3), C (Run 1), D (Run 7), E (Run 19), F (Run 4), G (Run 14), H (Run 15), I (Run 5)