

Supporting information
**Effects of different biochar prepared from
food waste on crop growth**

Hang Jia^{1,2}, Haoxi Ben^{1,2,*}, Fengze Wu^{1,2},

¹ Southeast University, Nanjing 210096, China

² Key Laboratory of Energy Thermal Conversion and Control of Ministry of
Education, School of Energy and Environment, Nanjing 210096, China

*Correspondence should be addressed to Pro. Haoxi Ben

Email: benhaoxi@gmail.com

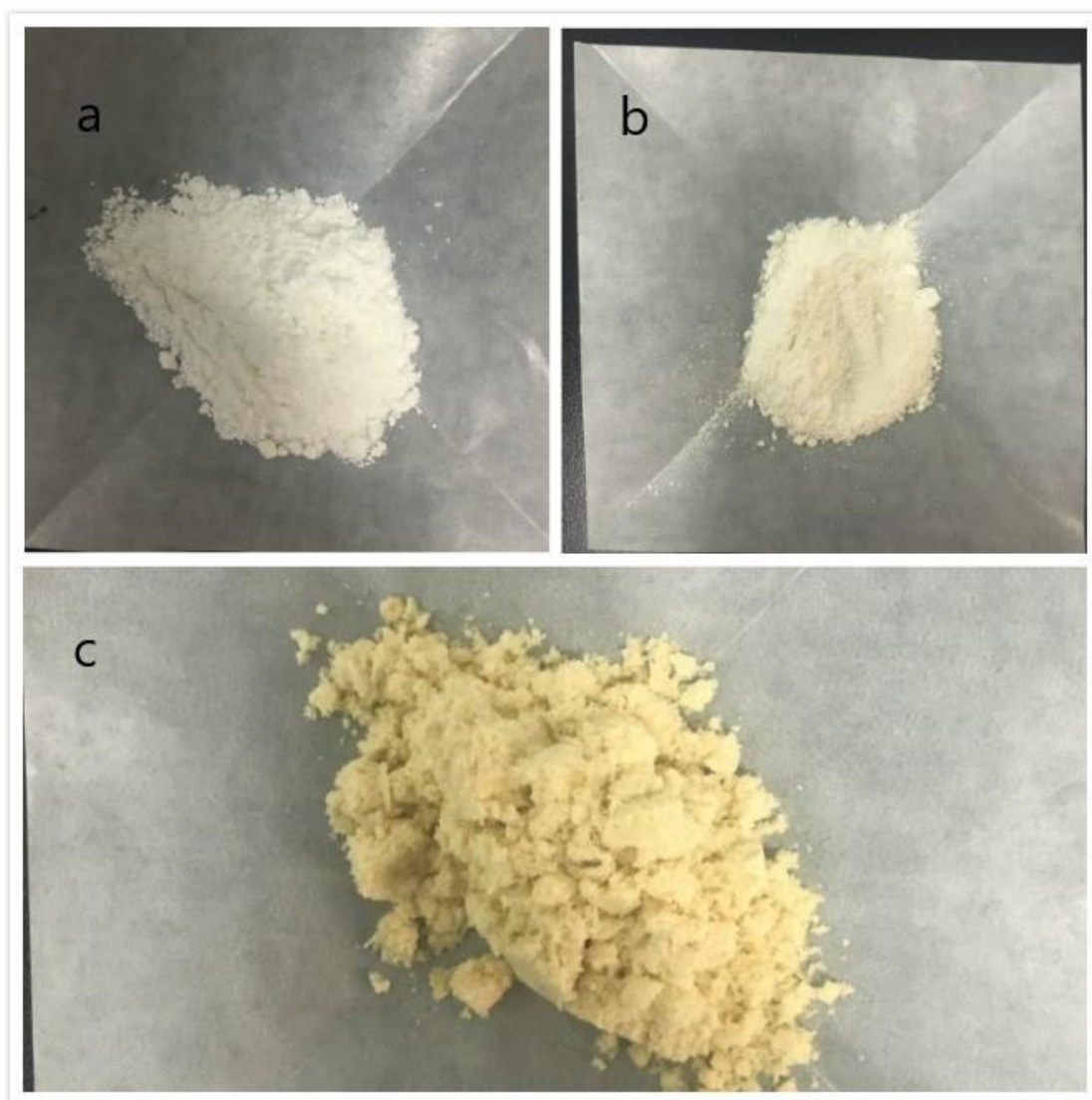


Fig. S1 Biomass samples used in the experiment (a: rice (cooked); b: steamed bread (cooked); c: soybean (cooked)).

Table S1. Shape characteristics of solid products produced from FW using HPR.

Sample name ¹	Description of the product
R-HPR-180-60-3	Black granule
R-HPR-210-60-3	Black granule
R-HPR-240-60-3	Gray powder
R-HPR-210-30-3	Black powder
R-HPR-210-90-3	Black powder
R-HPR-210-60-0	Black powder
R-HPR-210-60-2	Black powder

B-HPR-180-60-0	Black powder
B-HPR-210-60-0	Black powder
B-HPR-240-60-0	Black powder
B-HPR-210-30-0	Black powder
B-HPR-210-90-0	Black powder
B-HPR-210-60-2	Black powder
B-HPR-210-60-3	Black powder
S-HPR-180-60-0	Brownish black block
S-HPR-210-60-0	Black powder
S-HPR-240-60-0	Black powder
S-HPR-210-30-0	Brownish black block
S-HPR-210-90-0	Brownish black block
S-HPR-210-60-2	Brownish black block
S-HPR-210-60-3	Black powder

1): Sample naming: waste initials (rice: R, steamed bread: B, soybean: S) - reactor - temperature – time (min) - sulfuric acid concentration (v/v%).

Table S2. Shape characteristics of solid products produced from FW using MW.

Sample name ¹	Description of the product
R-MW-160-20-0	Yellow brown powder
R-MW-180-20-0	Yellow brown powder
R-MW-200-20-0	Brownish black powder
R-MW-180-15-0	Yellow brown powder
R-MW-180-25-0	Brownish black powder
R-MW-180-20-2	Brownish black powder
R-MW-180-20-3	Brownish black powder
B-MW-160-20-0	Yellow brown powder
B-MW-180-20-0	Brownish black powder
B-MW-200-20-0	Brownish black powder

B-MW-180-15-0	Yellow brown powder
B-MW-180-25-0	Brownish black powder
B-MW-180-20-2	Brownish black powder
B-MW-180-20-3	Brownish black powder
S-MW-160-20-0	Yellow brown powder
S-MW-180-20-0	Yellow brown powder
S-MW-200-20-0	Black powder
S-MW-180-15-0	Yellow brown powder
S-MW-180-25-0	Brownish black block
S-MW-180-20-2	Black powder
S-MW-180-20-3	Black powder
