

Electromagnetic absorption enhancing mechanisms by modified biochar derived from
Enteromorpha prolifera: A combined experimental and simulation study

Zhiwang Hao^{a, 1}, Jimei Liu^{a, 1}, Xinliang He^a, Yubo Meng^a, Xiaobin Wang^a, Dong
Liu^{a,*}, Naitao Yang^a, Wenjie Hou^{b,*}, Chao Bian^{a,*}

^a*School of Chemistry and Chemical Engineering, Shandong University of Technology,
Zibo, 255049, China*

^b*School of Computer Science and Technology, Northwestern Polytechnical University,
Xi'an, 710129, China*

*Corresponding author. E-mail: liu_dong@sdut.edu.cn; wenjiehou@buaa.edu.cn;
Bianchao@sdut.edu.cn

¹ Contributed equally to this work.

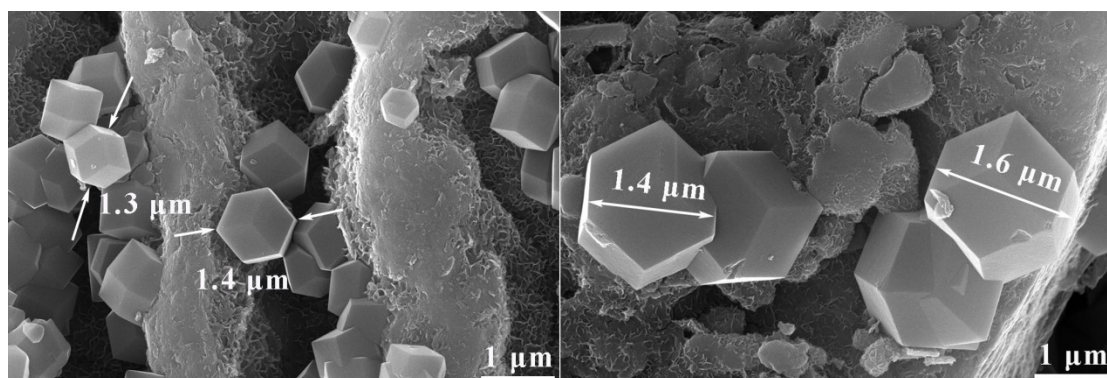


Fig. S1 SEM images showing the average size of Fe-ZIF

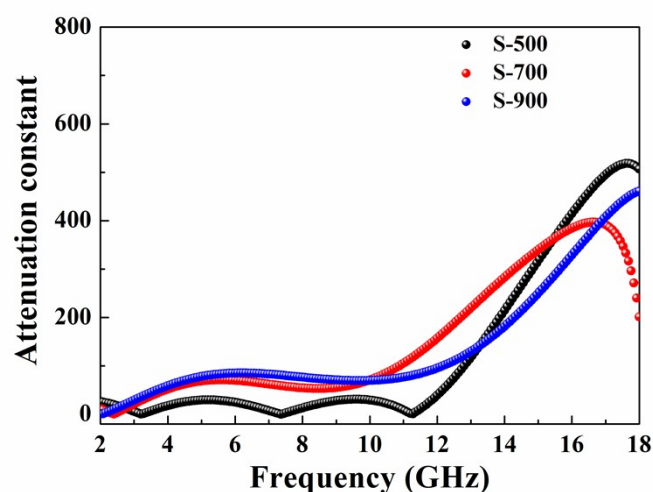


Fig. S2 Attenuation constant of S-500, S-700 and S-900 composites.