Supporting Information

**Performance Enhanced Electromagnetic Wave Absorber from Controllable**

**Modification of Natural Plant Fiber**

Lin Guo\(^a\), Qing-Da An\(^a, *\), Zuo-Yi Xiao\(^a\), Shang-Ru Zhai\(^a, *\), Li Cui\(^a\) and Zhong-Cheng Li\(^b\)

\(^a\)Faculty of Light Industry and Chemical Engineering, Dalian Polytechnic University, Dalian 116034, P.R. China

\(^b\)Key Laboratory of Optic-electric Sensing and Analytical Chemistry for Life Science, MOE, College of Chemistry and Molecular Engineering, Qingdao University of Science and Technology, Qingdao 266042, P.R. China

*Corresponding authors:

E-mail: anqingdachem@163.com (Q.-D. An);
zhaisrchem@163.com (S.-R. Zhai)
Fig. S1 TG curve of natural sisal fiber.
Fig. S2 PCR TEM image.
Fig. S3 Magnetization curve of FCR (inset: amplification part).
Fig. S4 XPS spectra of FCR (wide-scan spectra (a), Fe 2p spectrum (b)).
Fig. S5 RL curves of PCR.