

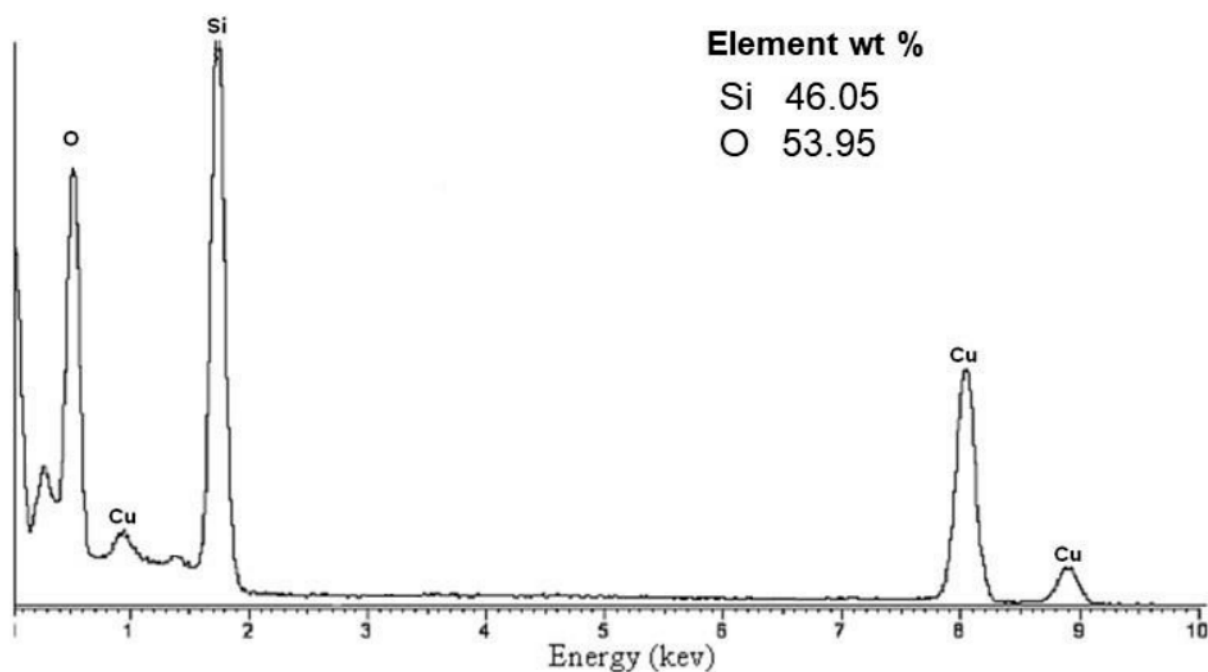


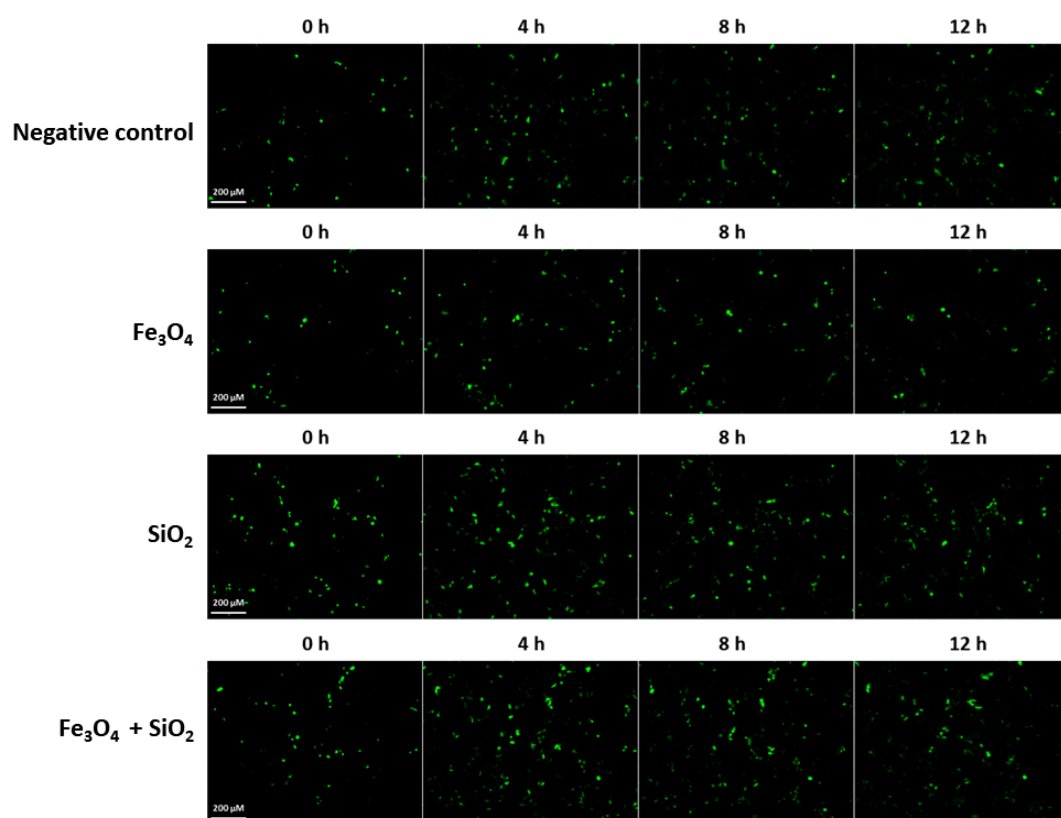
Supporting Materials

# Synergistic Effect of SiO<sub>2</sub> and Fe<sub>3</sub>O<sub>4</sub> nanoparticles in autophagy modulation

Sitansu Sekhar Nanda <sup>1†</sup>, Danyeong Kim <sup>2†</sup>, Hyewon Yang <sup>2</sup>, Seong Soo A. An <sup>2\*</sup> and Dong Kee Yi <sup>1\*</sup><sup>1</sup>Department of Chemistry, Myongji University, Yongin 17058, Republic of Korea<sup>2</sup>Department of Bionanotechnology, Gachon Medical Research Institute, Gachon University, Seongnam, Republic of Korea

† These authors contributed equally.

\* Correspondence: [vitalis@mju.ac.kr](mailto:vitalis@mju.ac.kr); [seongaan@gachon.ac.kr](mailto:seongaan@gachon.ac.kr)Figure S1. EDAX analysis of SiO<sub>2</sub> nanoparticles.



**Figure S2.** Live change of LC3 expression after treating nanoparticles. Scale bar: 200 $\mu\text{m}$ .