Supplementary information file

gC_3N_4 decorated with ZnO:Mn rods for enhanced photocatalytic performance

Adriana Popa[1], Maria Stefan[1], Sergiu Macavei[1], Lucian Barbu-Tudoran[1,2], Ioana Perhaita[3], Maria Suciu[1], Cristian Leostean[1], Dana Toloman*[1]

[1]National Institute for Research and Development of Isotopic and Molecular Technologies, Donat 67-103, Cluj-Napoca, 400293, Romania

[2]Electron Microscopy Center, Faculty of Biology and Geology, Babes-Bolyai University, Clinicilor 5-7, 400006, Cluj-Napoca, Romania

[3]Babes- Bolyai University, Raluca Ripan Institute for Research in Chemistry, Fantanele 30, Cluj-Napoca, 400294, Romania

*Corresponding author: dana.toloman@itim-cj.ro

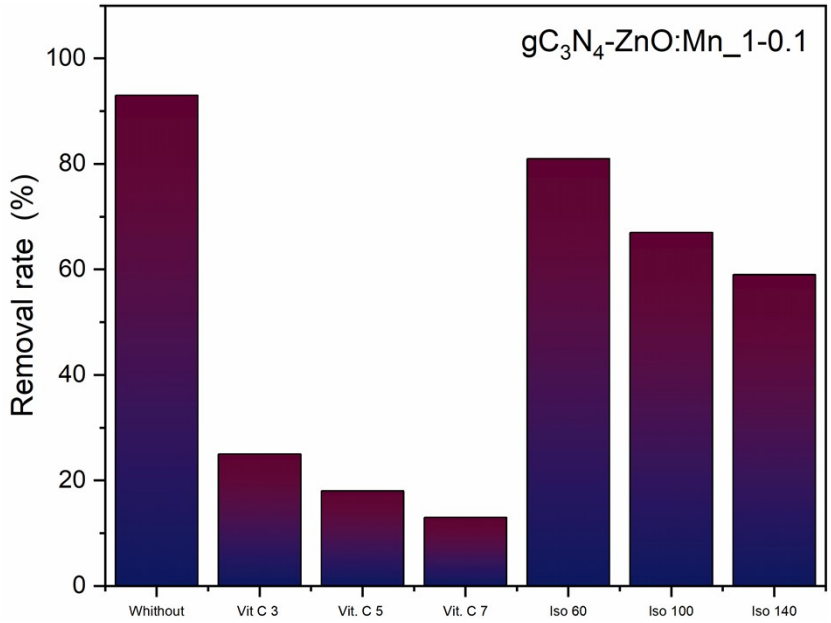

Fig. S1 Removal rate of the gC_3N_4-ZnO:Mn_1-0.1 sample in the presence of different concentrations of scavengers.

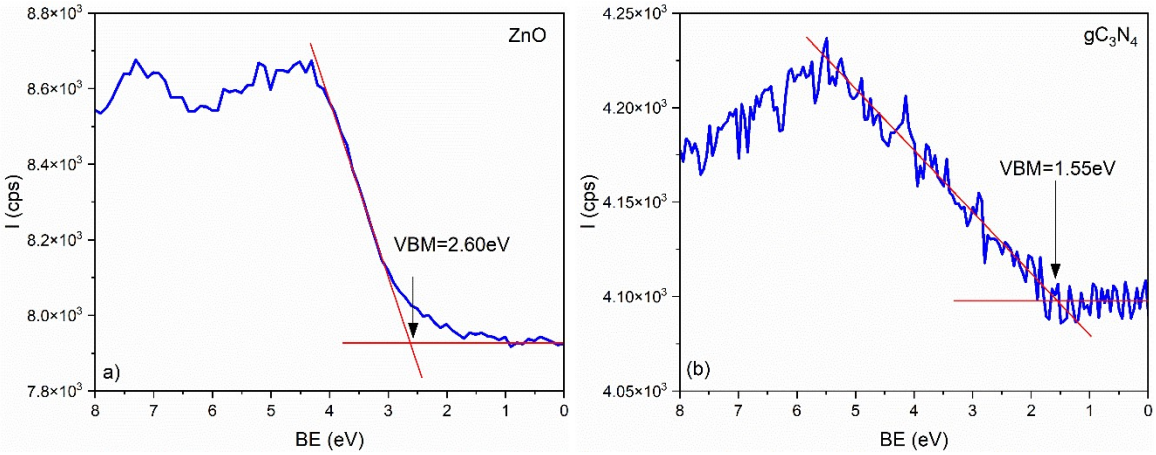

Fig. S2 Valence band XPS spectra of ZnO (a) and gC_3N_4 (b) samples.

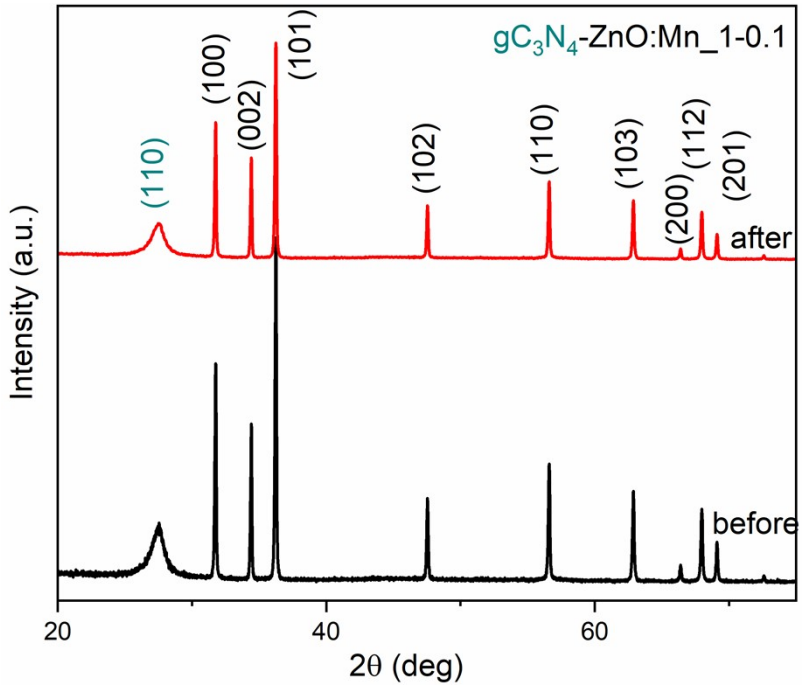

Fig. S3 XRD diffractogram of the gC_3N_4-ZnO:Mn_1-0.1 sample before and after reusability tests.

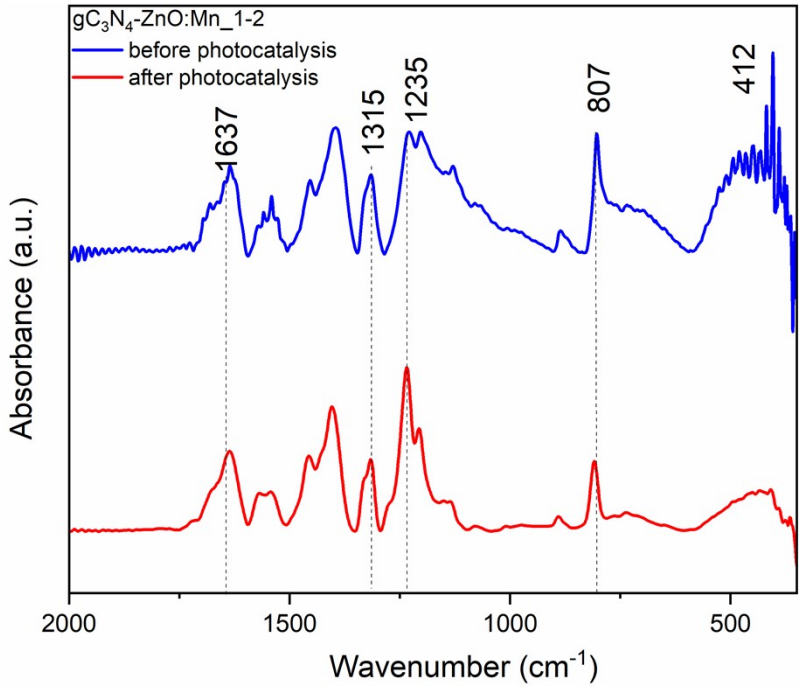

Fig. S4 FT-IR spectra of the gC_3N_4-ZnO:Mn_1-0.1 sample before and after reusability tests.