Electronic Supplementary Information

Fe-doped and-mediated graphitic carbon nitride nanosheets for enhanced photocatalytic performance under natural sunlight

Surendar Tonda\textsuperscript{a}, Santosh Kumar\textsuperscript{a}, Syam Kandula\textsuperscript{b} and Vishnu Shanker\textsuperscript{a,*}

\textsuperscript{a}Department of Chemistry, National Institute of Technology, Warangal-506004, A.P., India.

\textsuperscript{b}Department of Chemistry, Indian Institute of Technology, Roorkee-247667, Uttarakhand, India.

*Corresponding Author. Tel.: +91-870-2462675; Fax: +91-870-2459547; \textit{E-mail address}: vishnu@nitw.ac.in

Fig. S1 TEM image of the synthesized bulk g-C\textsubscript{3}N\textsubscript{4}.

Electronic Supplementary Material (ESI) for Journal of Materials Chemistry A.
This journal is © The Royal Society of Chemistry 2014
Fig. S2 EDS patterns of the synthesized bulk g-C$_3$N$_4$ (a) and pure g-C$_3$N$_4$ nanosheets (b).
Fig. S3 EDS patterns of the synthesized FCN-0.5 (a) FCN-1 (b), FCN-2 (c) and FCN-3 (d) samples.
Fig. S4 Photolysis of the RhB solutions.
Fig. S5 Adsorption ability of FCN-2 catalyst for the degradation of RhB under dark condition.
Fig. S6 XRD patterns of the synthesized FCN-2 photocatalyst.