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Supporting Information

Ecofriendly Synthesis of ZnO Nano Pencils in Aqueous Medium: A Study of Photocatalytic Degradation of Methylene Blue under Direct Sunlight

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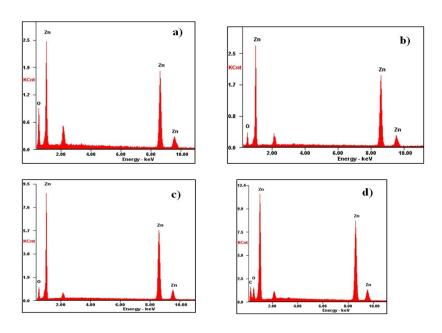


Fig. S1 EDAX pattern of a) as-synthesized and calcined ZnO nano structures at b) 300 $^{\circ}$ C, c) 450 $^{\circ}$ C and d) 600 $^{\circ}$ C.

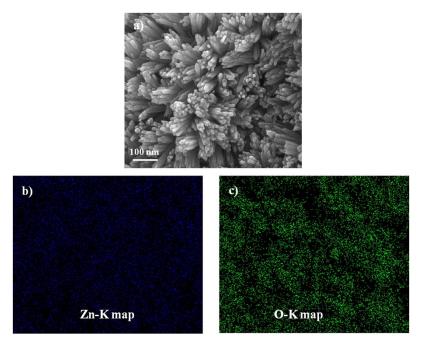


Fig. S2 a) SEM image of ZnO nano pencil, elemental mapping shows the presence of b) Zn and c) O in the sample.

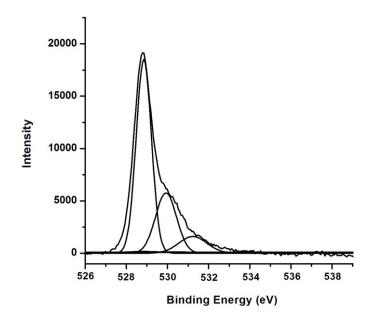


Fig. S3 O1s deconvoluted XPS spectra of ZnO nano pencil.

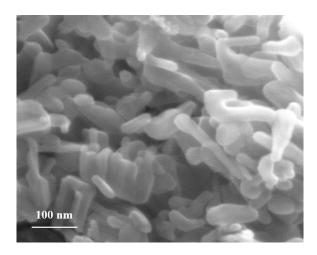


Fig. S4 SEM image of ZnO nano pencil taken after fifth cycle of reuse for the photocatalytic degradation of methylene blue under sunlight irradiation.