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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Table of content

1. Fig. S1: EDAX pattern of as-synthesized and calcined ZnO nano structures.
2. Fig. S2: SEM image and elemental mapping of ZnO nano pencils.
3. Fig. S3: O_{1s} deconvoluted XPS spectra of ZnO nano pencil.
4. Fig. S4: SEM image of ZnO nano pencil taken after fifth cycle of reuse for the photocatalytic degradation of methylene blue under sunlight irradiation.
**Fig. S1** EDAX pattern of a) as-synthesized and calcined ZnO nano structures at b) 300 °C, c) 450 °C and d) 600 °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.