Correction

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Correction to: Expoloriting of graphene oxide for improving physical properties of $TiO_2(NPs)$: toward photovoltaic devices and wastewater remediation approaches

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In this article, the author name K. Althagafy was incorrectly written as K. Althagafi.

The wrong figures appeared as Figs. 2–13; the figures should have appeared as shown below. The original article has been corrected.

Fig. 2 Experimental setup of photocatalytic reactor for degradation of MO dye



The original article can be found online at https://doi.org/10.1140/epjp/s13360-022-03289-z.

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Fig. 3 FTIR spectra of a TiO₂ (NPs), b (0.2 wt.%) GO-TiO₂, c (0.4 wt.%) GO-TiO₂, d (0.6 wt.%) GO-TiO₂ nanocomposites thin films



Fig. 4 SEM images and the grain size distribution of \mathbf{a} TiO₂ (NPs), \mathbf{b} (0.2 wt.%) GO-TiO₂, \mathbf{c} (0.4 wt.%) GO-TiO₂, \mathbf{d} (0.6 wt.%) GO-TiO₂ nanocomposites thin films



Fig. 5 EDX spectrum of a $\rm TiO_2$ and of b--d GO-TiO_2 nanocomposite



Fig. 6 XRD analysis of a TiO_2 and of **b-d** GO- TiO_2 nanocomposite



Fig. 7 a UV–Visible Spectroscopy transmission and ${\bf b}$ absorption spectra



Fig. 10 a The Nyquist plot of (Z' vs. - Z'') of TiO₂ nanocomposite in pellet form at different temperatures and b equivalent proposal circuit



Fig. 11 The absorption spectra of the degradation of MO under UV light irradiation at different time intervals using **a** TiO₂ (NPs) **b** (0.2 wt.%) **c** (0.4 wt.%) and **d** (0.6 wt.%) GO-TiO₂ nanocomposites



Fig. 12 The kinetic spectra of MO degradation using TiO₂ (NPs), (0.2 wt.%), (0.4 wt.%) and (0.6 wt.%) GO-TiO₂ nanocomposites



