

Spectra Reused

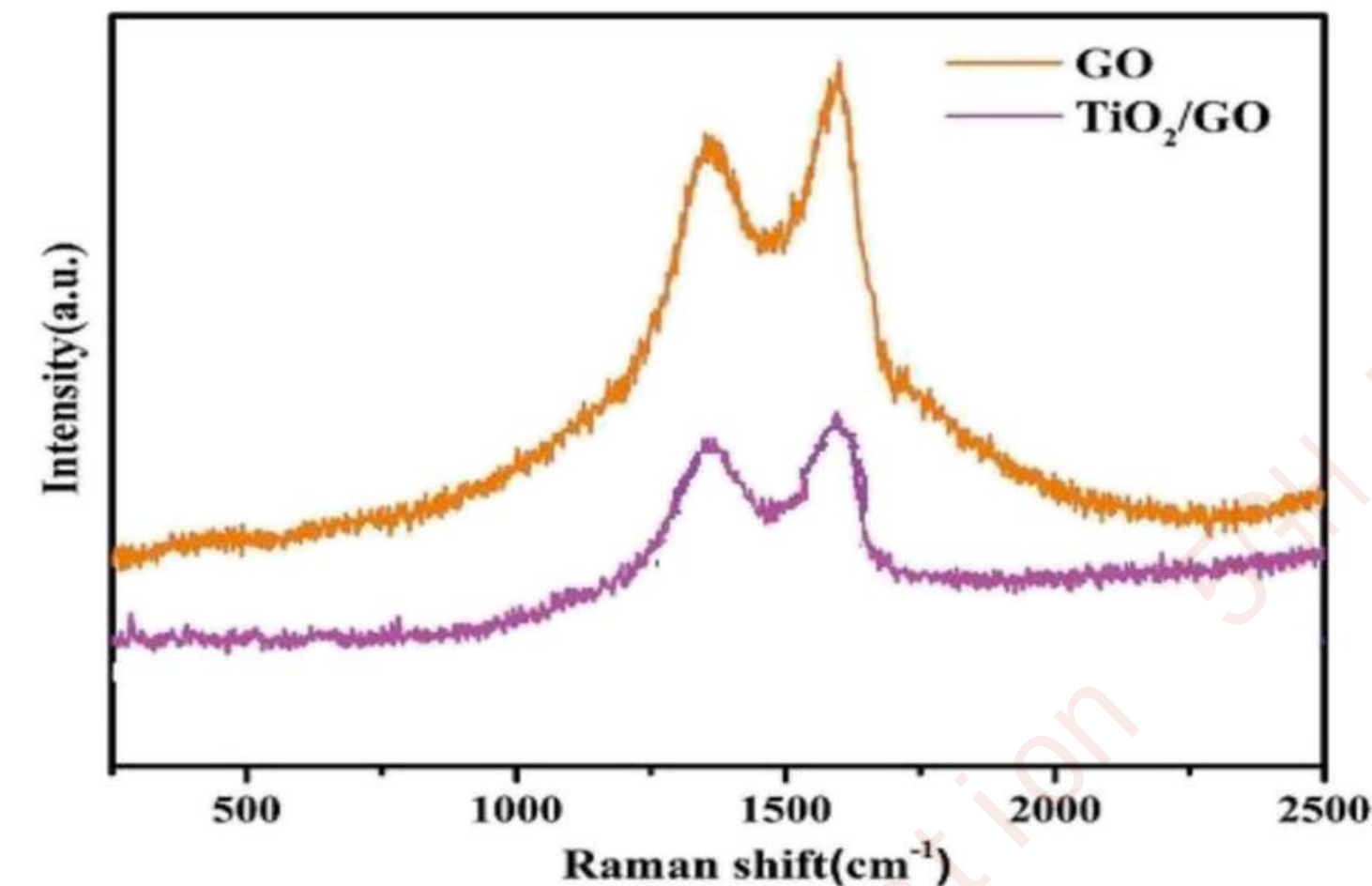


Fig. 6 Raman spectra of GO and GO/TiO₂

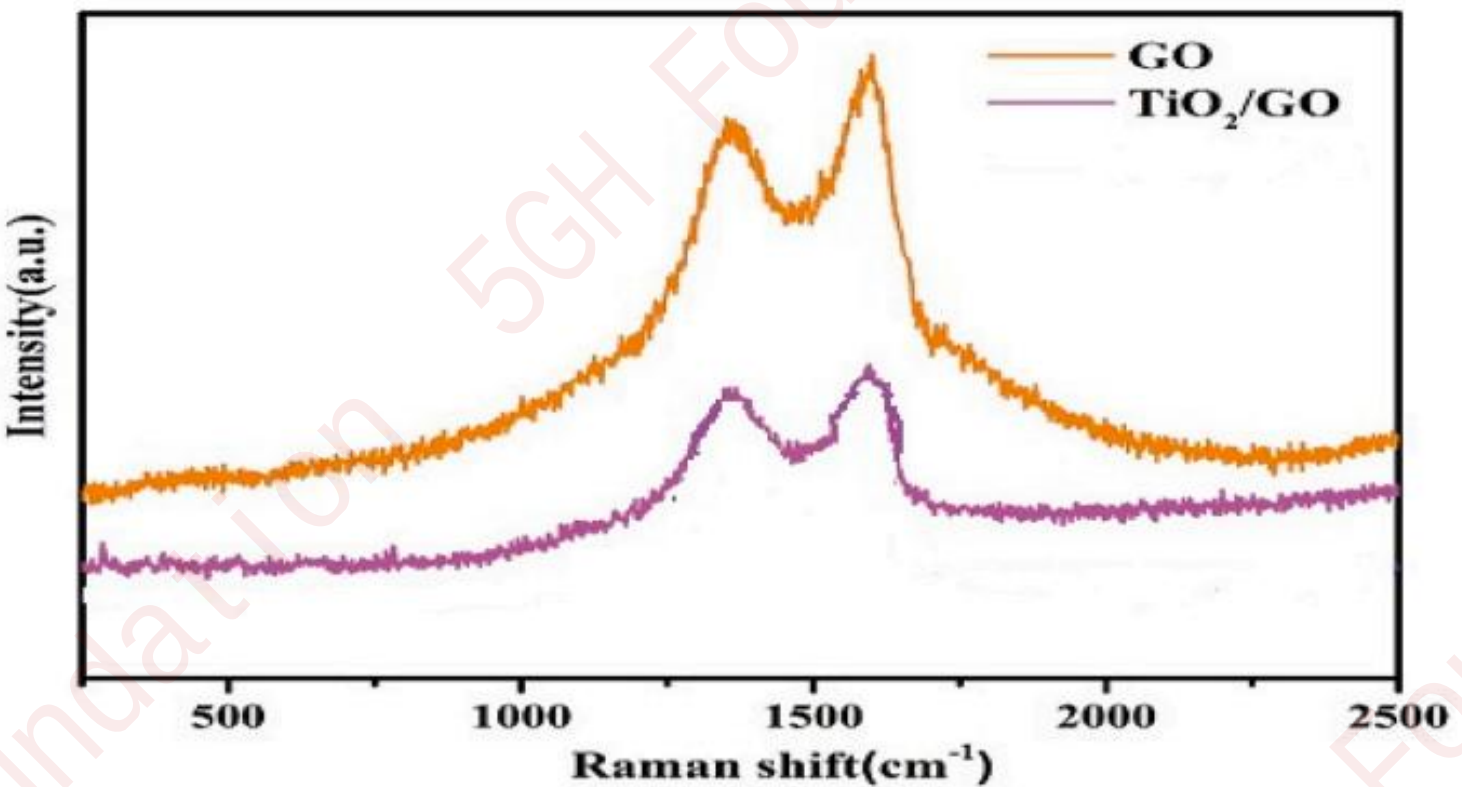


Fig. 4. Raman spectra of GO and TiO₂/GO.

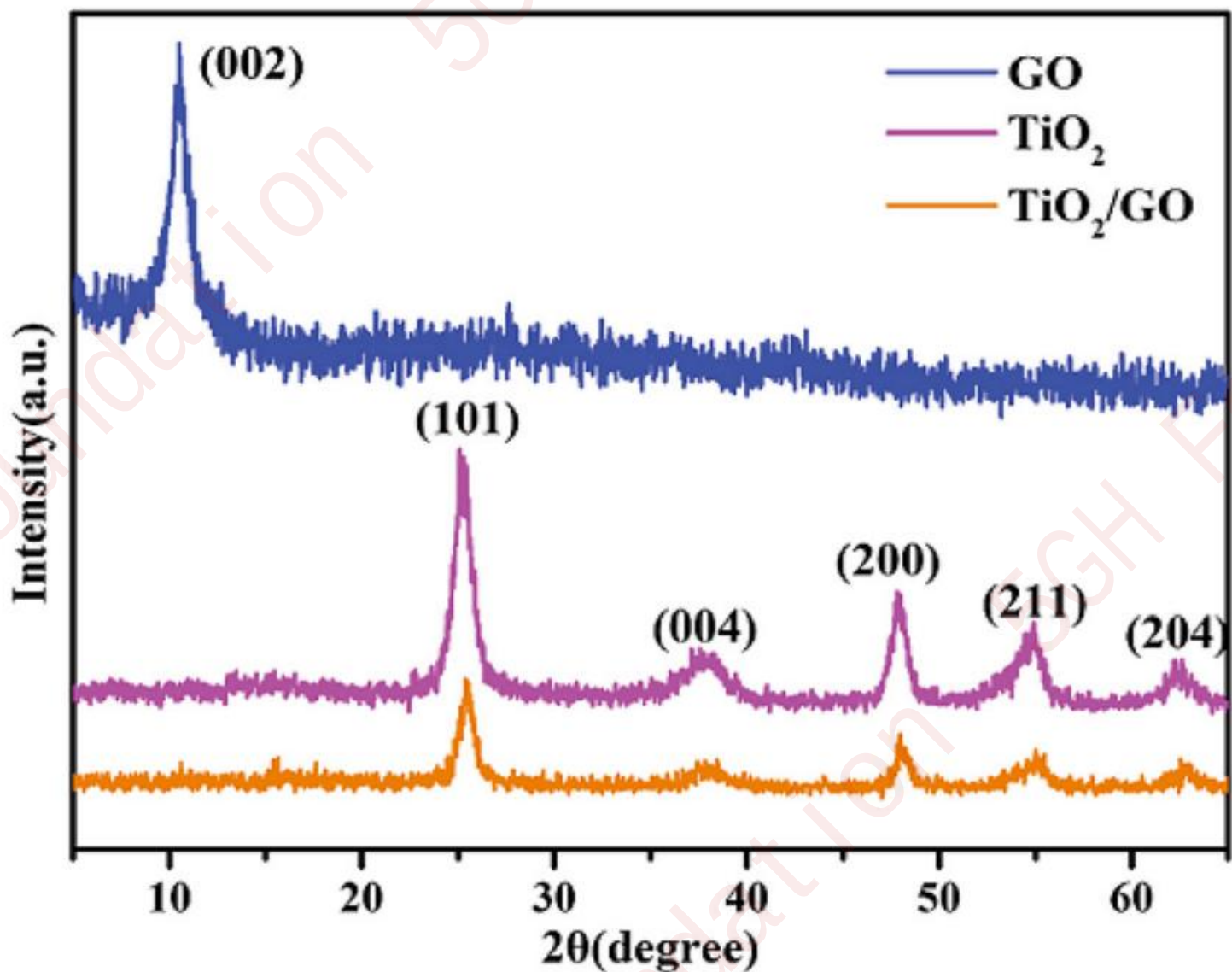


Fig. 3 XRD patterns of GO, TiO₂, and GO/TiO₂

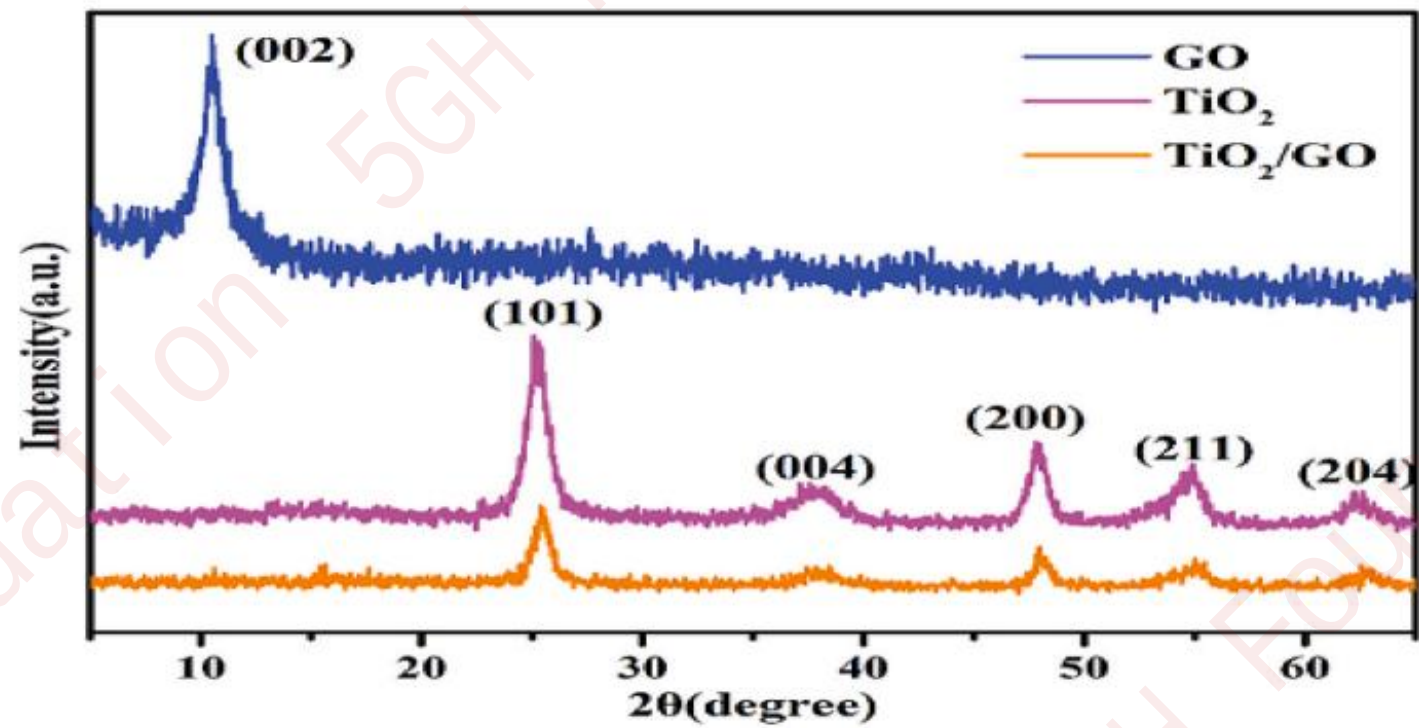


Fig. 1. XRD patterns of GO, TiO₂, and TiO₂/GO.

Fig. 5 N₂ adsorption-desorption isotherms of GO/TiO₂ nanocomposite

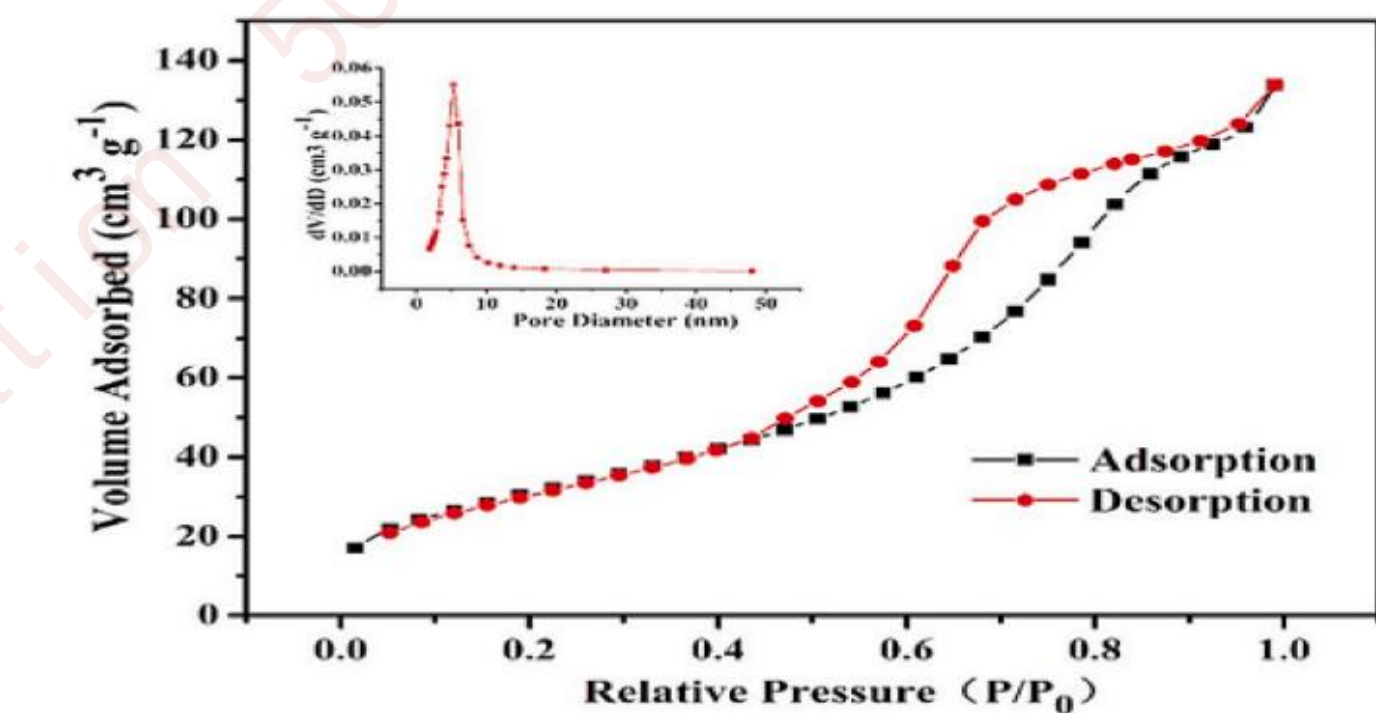
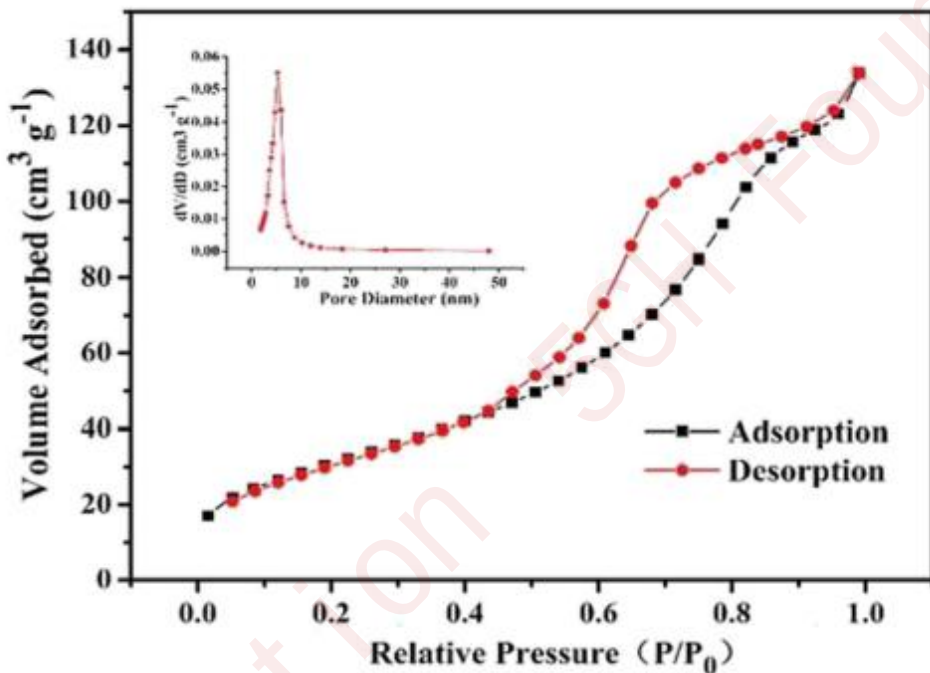
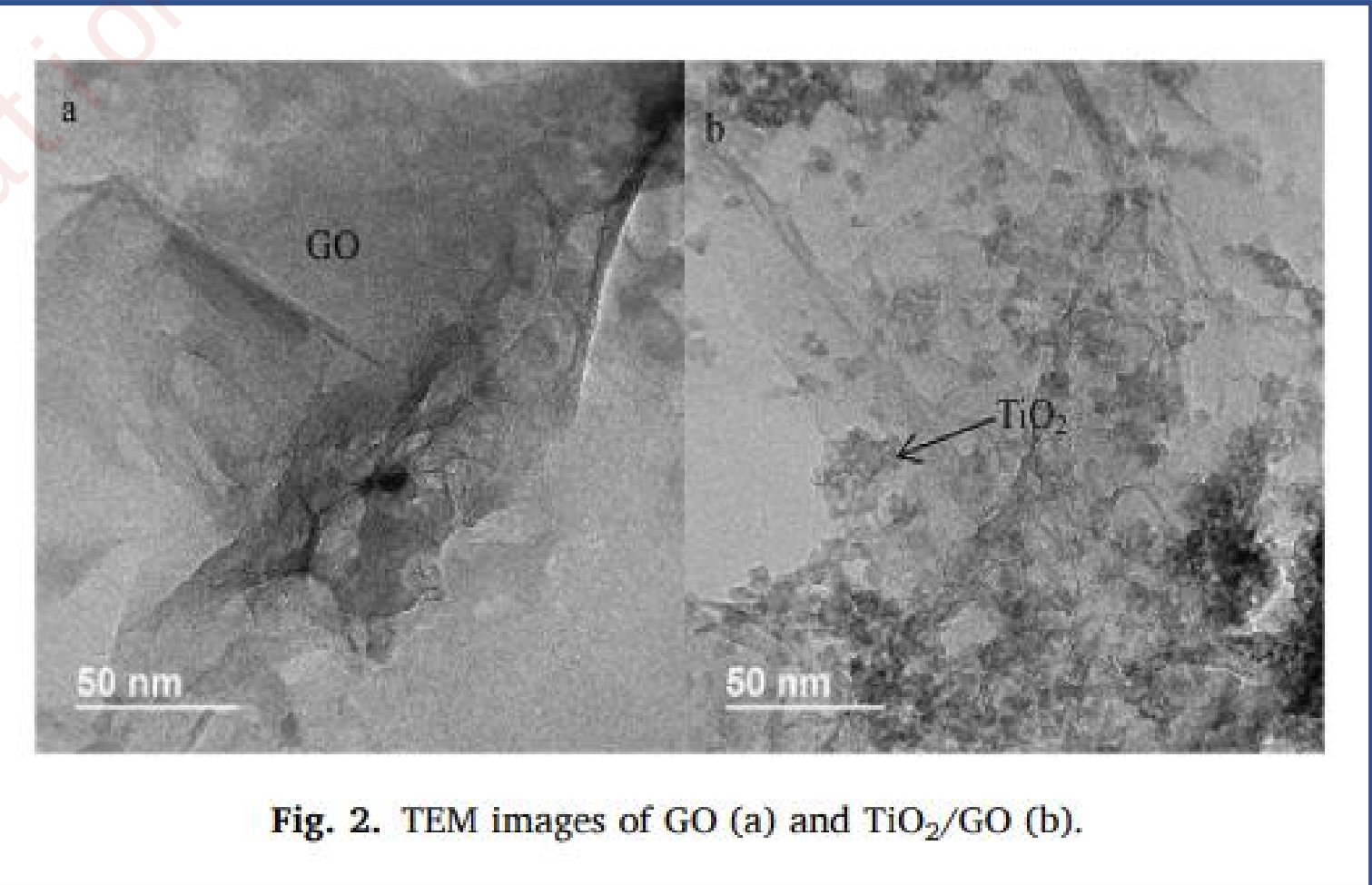
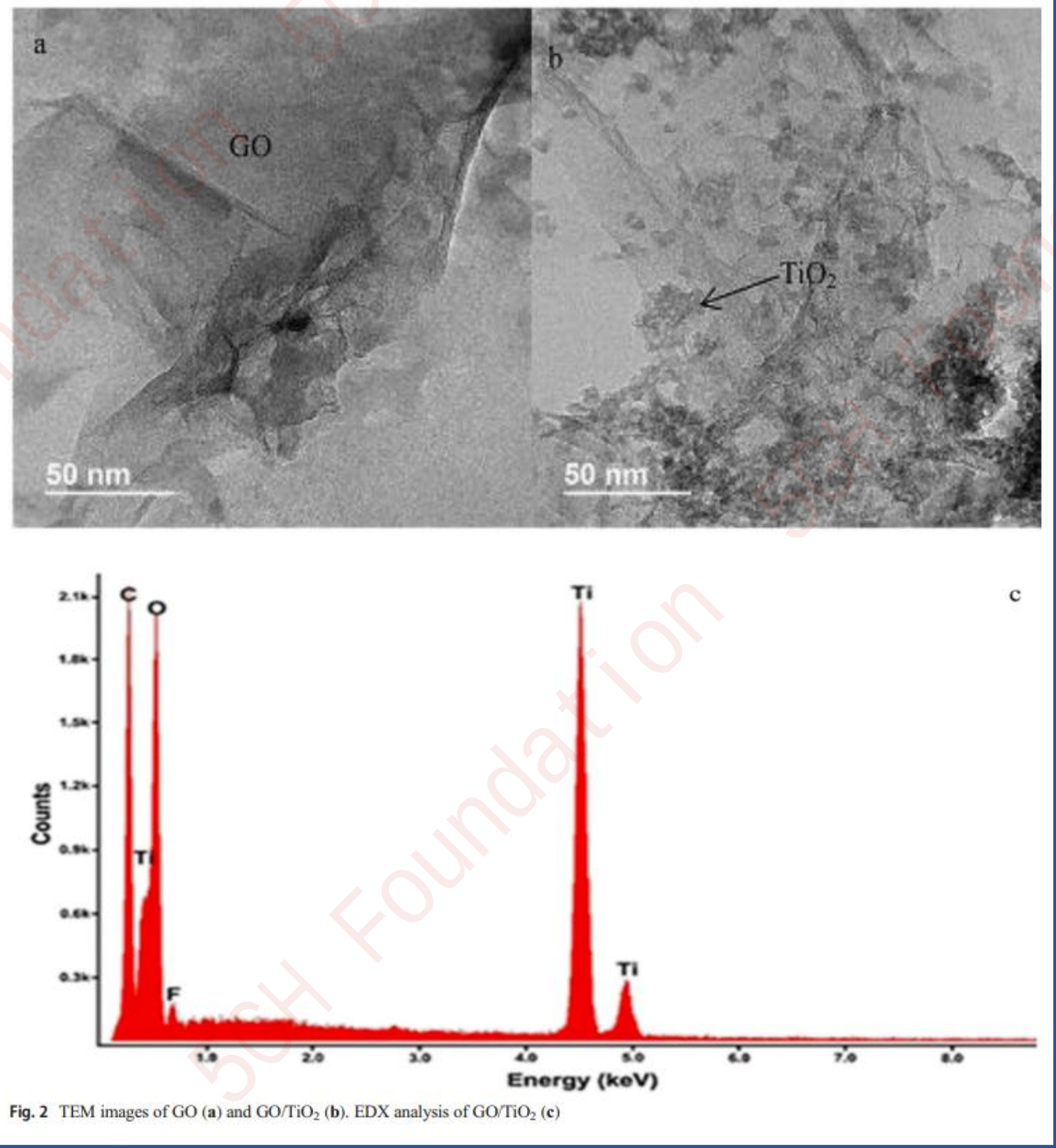
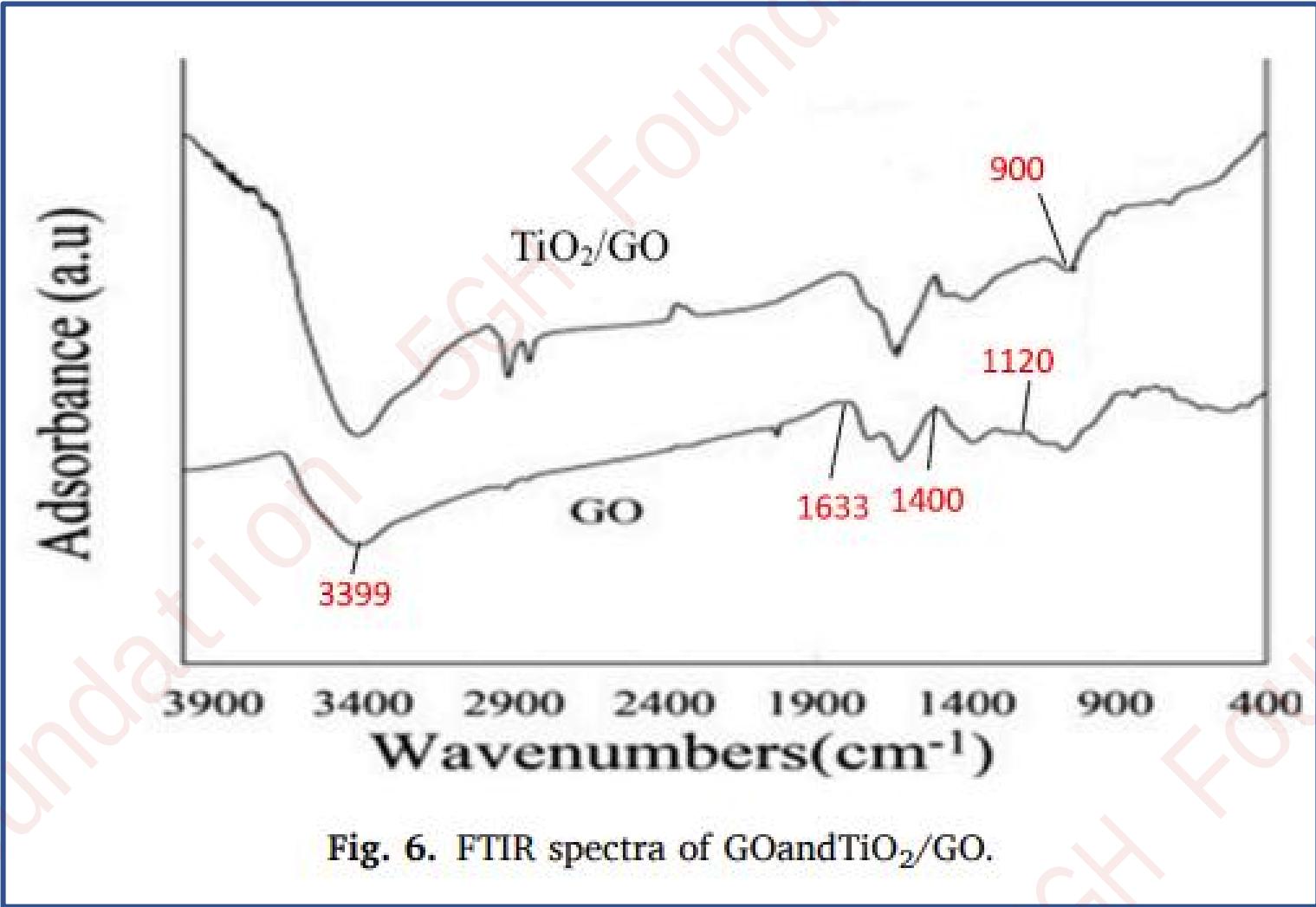
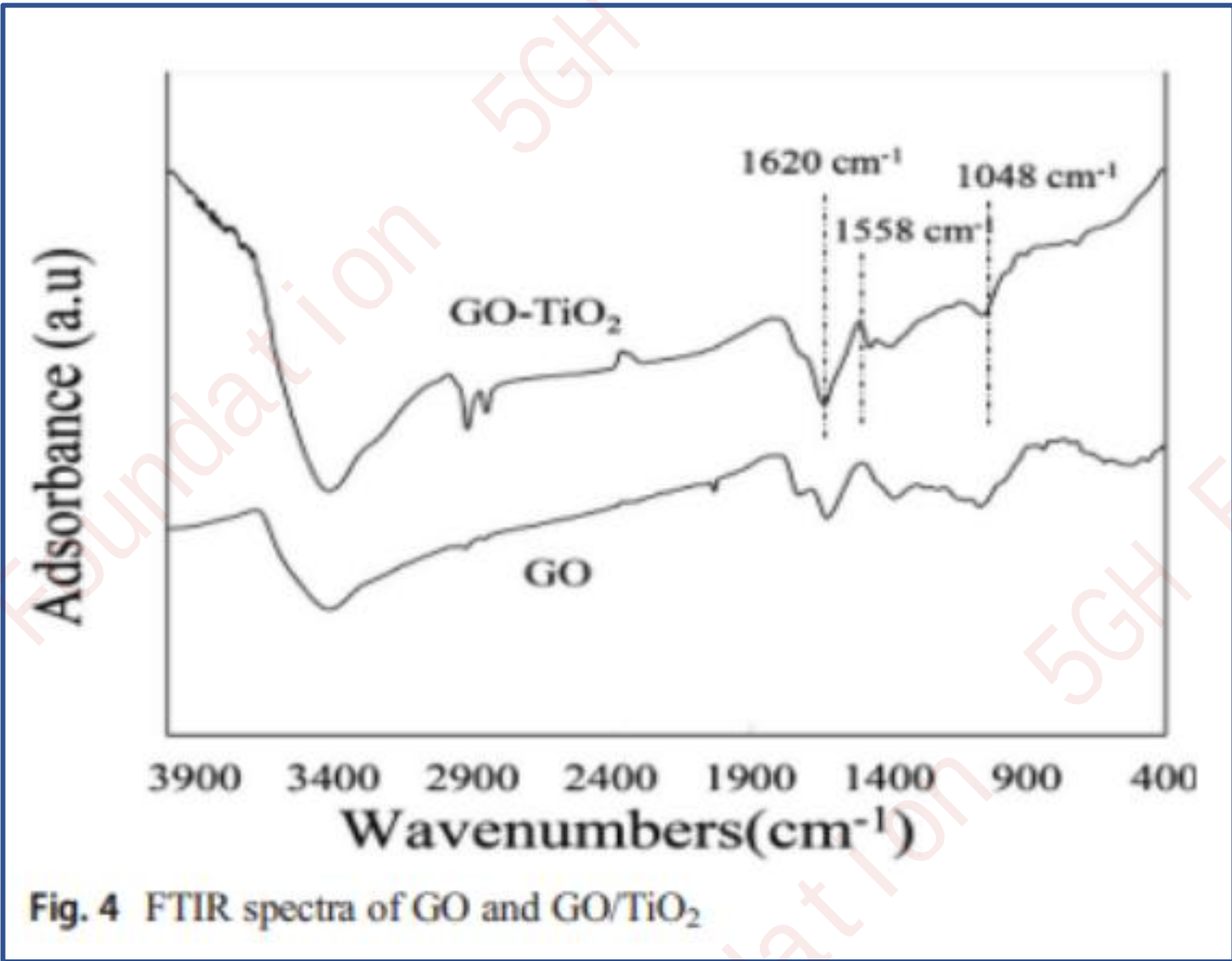
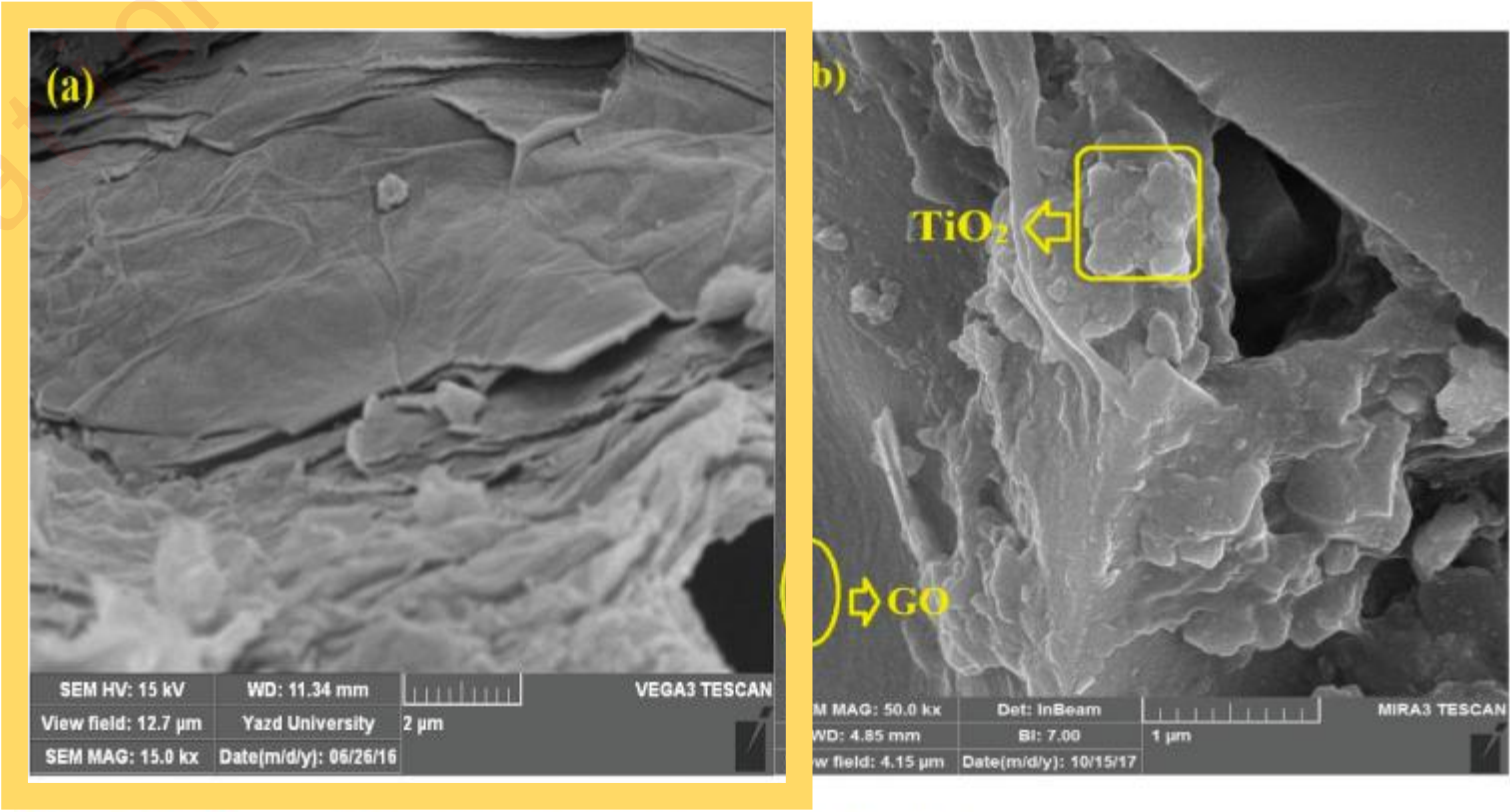
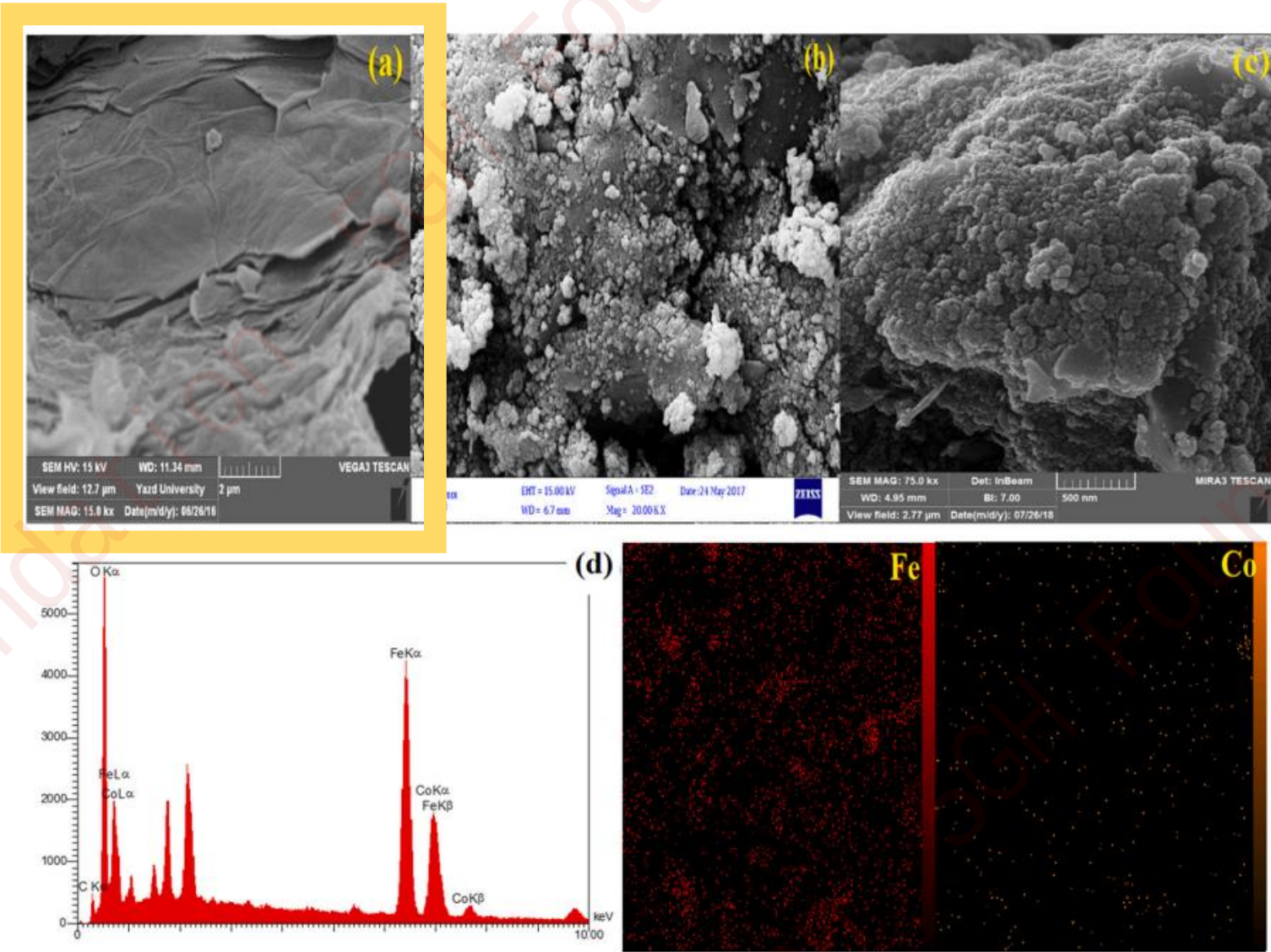
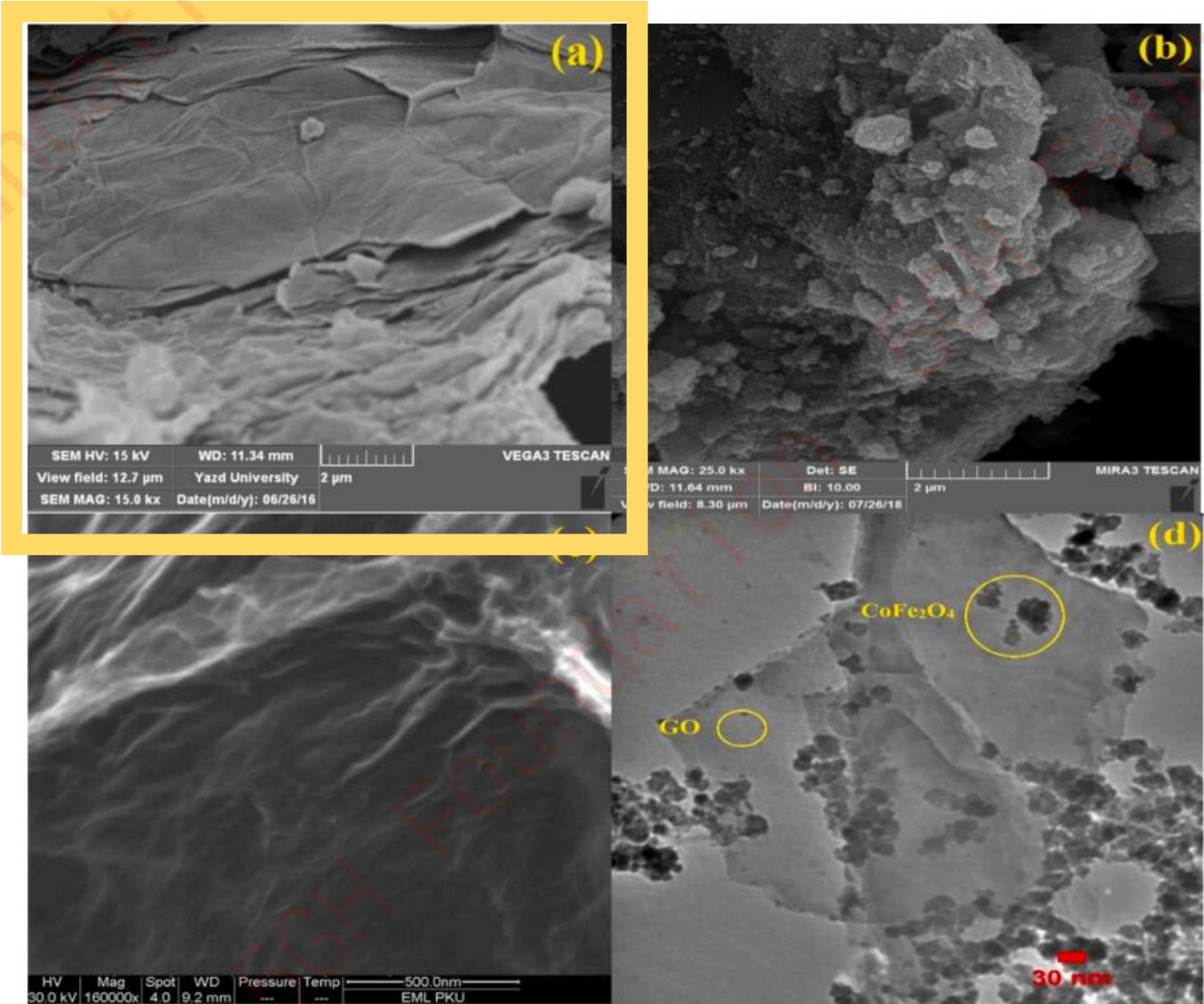
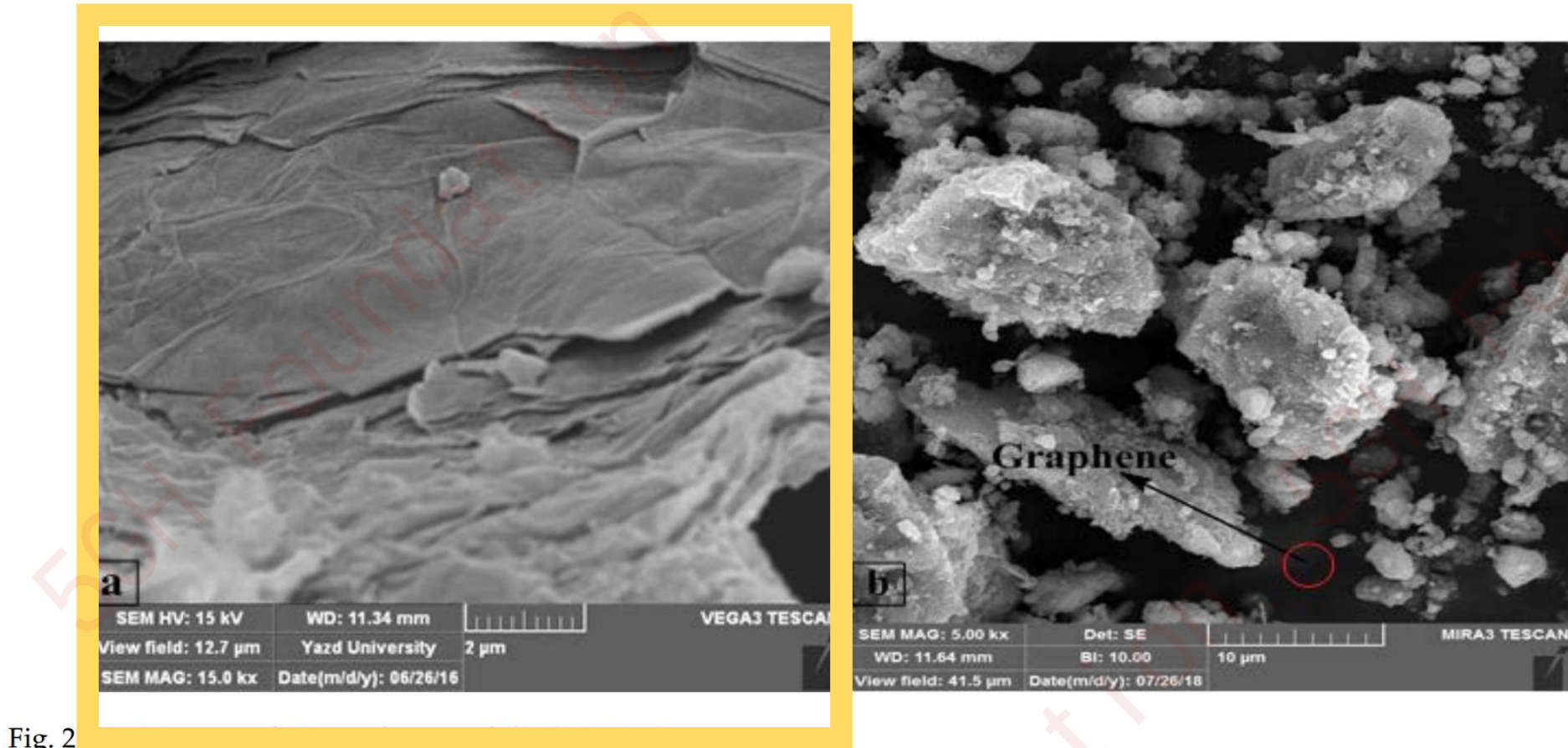


Fig. 5. Results of the N₂ adsorption-desorption isotherms and pore size distribution of the TiO₂/GO nanocomposite.

Images/Spectra Reused



Images Reused



Upper-Left: 10.5004/dwt.2019.24593
Lower-Left: 10.1016/j.jwpe.2021.102548
Upper-Right: 10.1016/j.dwt.2024.100219
Lower-Right: 10.1080/03067319.2022.2118055

Images Reused

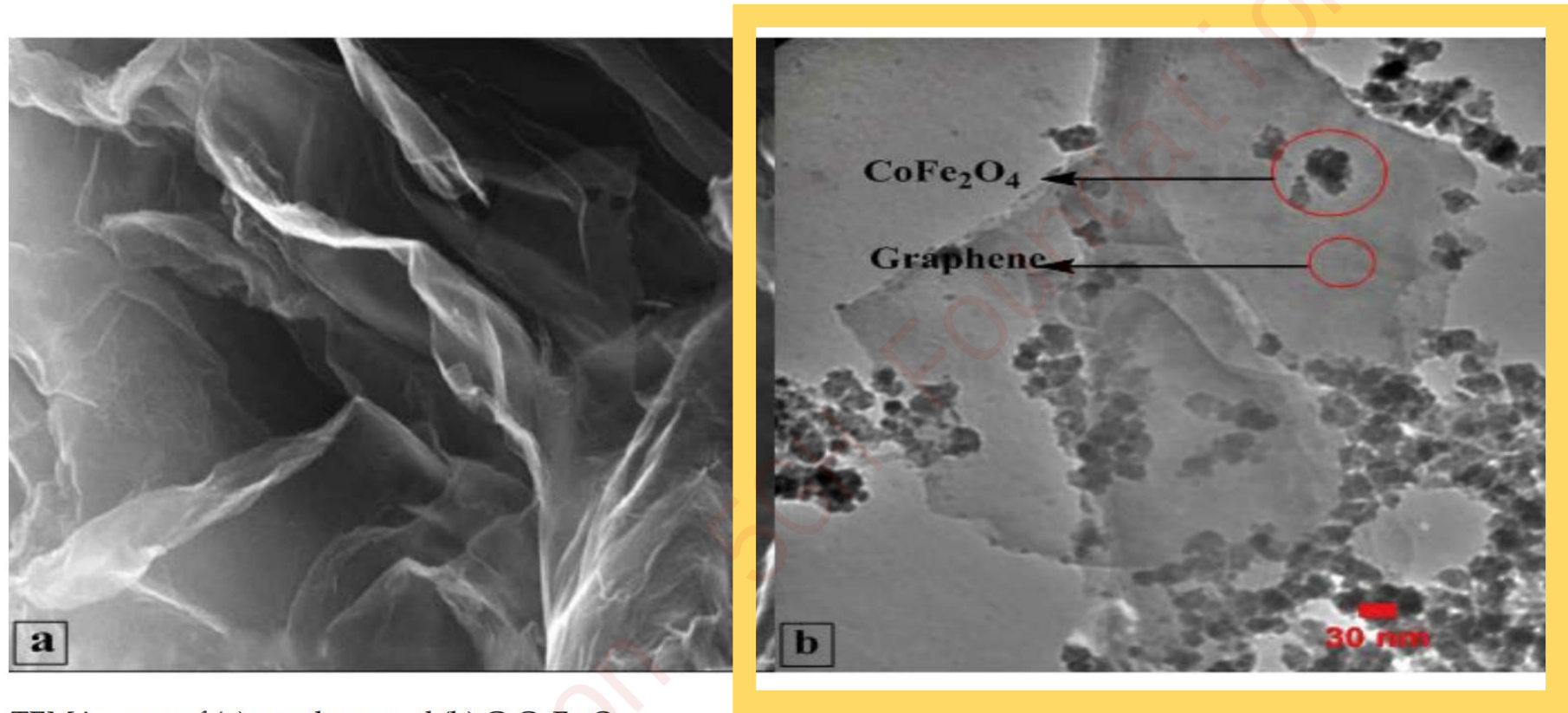


Fig. 3. TEM images of (a) graphene and (b) G-CoFe₂O₄.

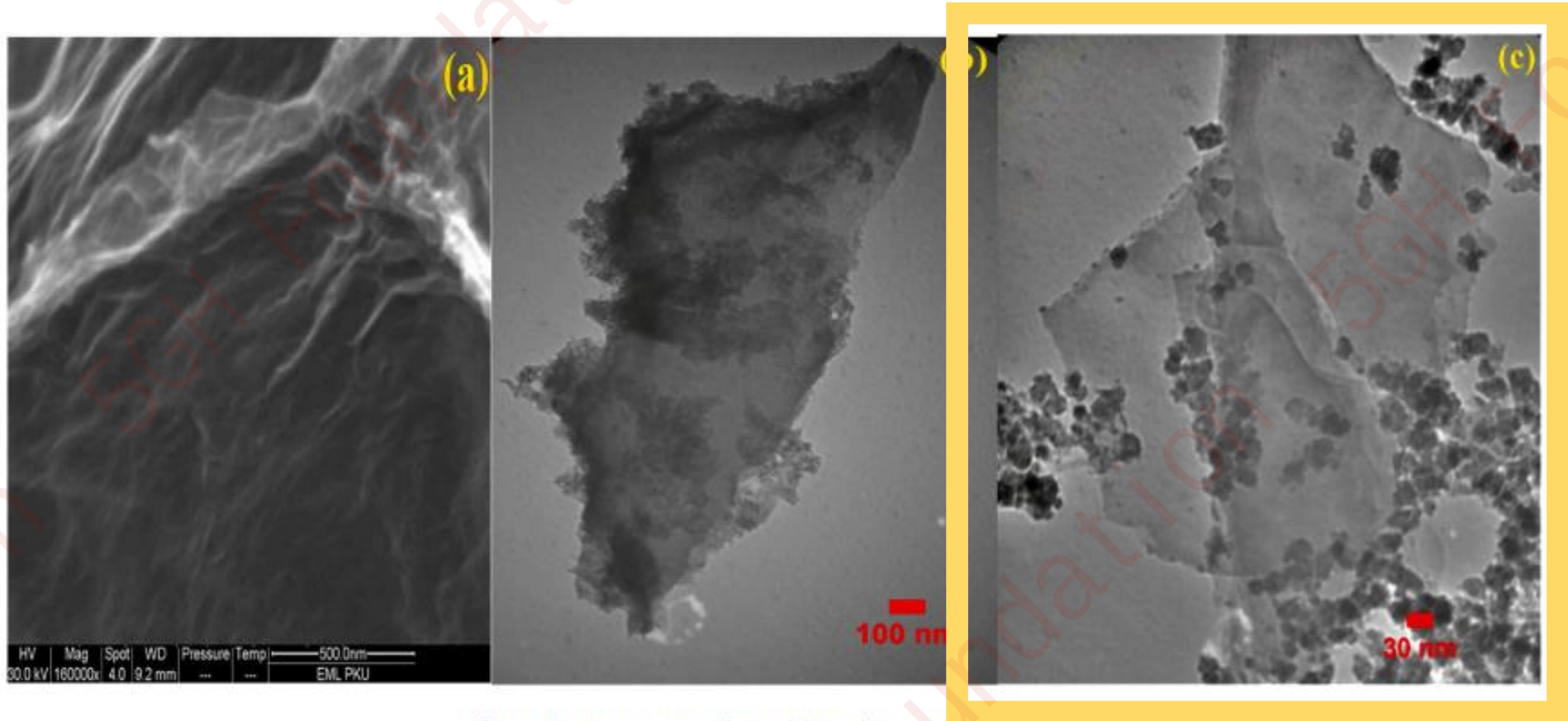


Fig. 3. TEM images of GO (a) and G-CoFe₂O₄ (b, c).

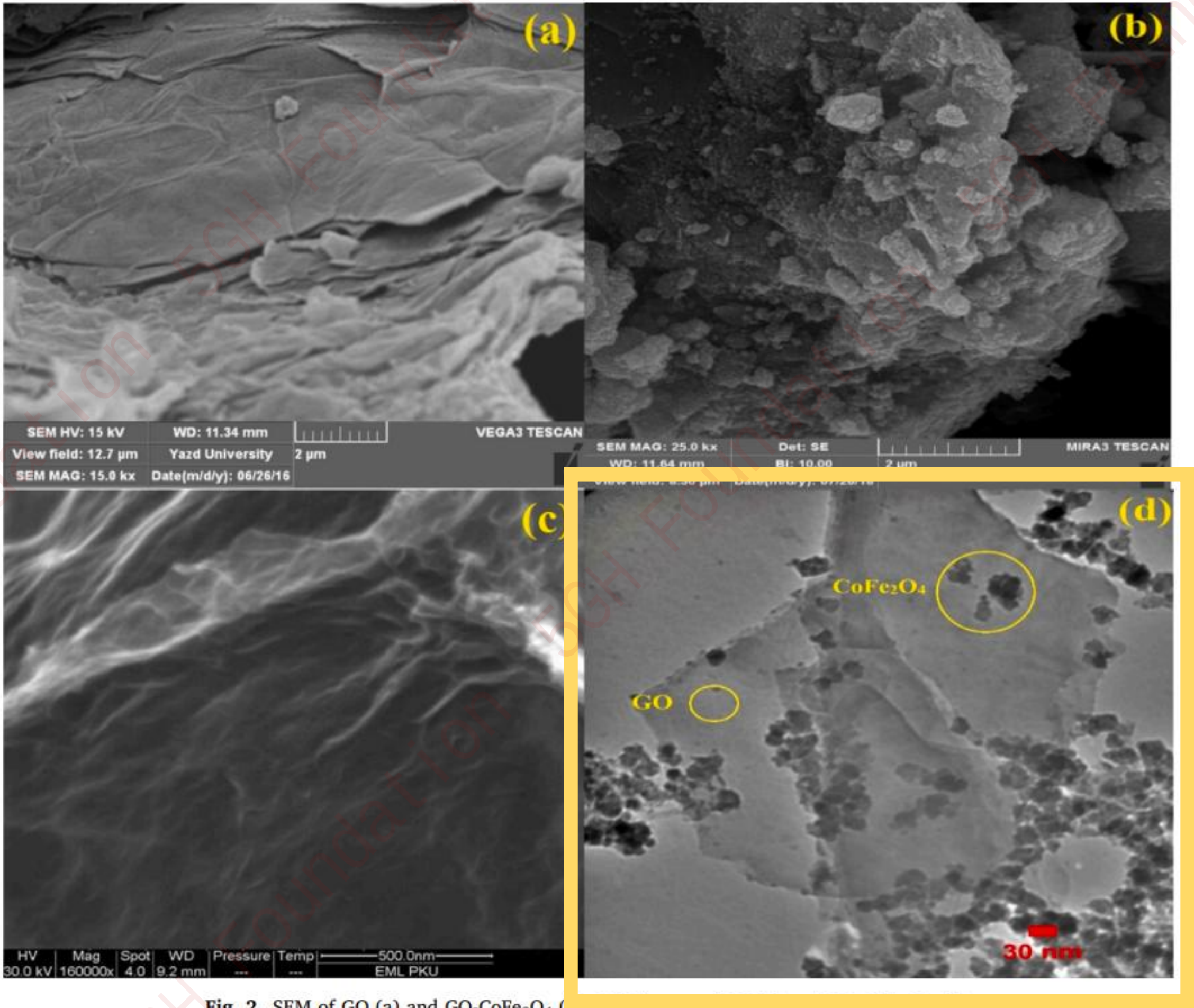


Fig. 2. SEM of GO (a) and GO-CoFe₂O₄ (b), TEM image of GO (c) and GO-CoFe₂O₄ (d).

Upper-Left: 10.5004/dwt.2019.24593
Lower-Left: 10.1016/j.jwpe.2021.102548
Right: 10.1016/j.dwt.2024.100219

Spectra Reused

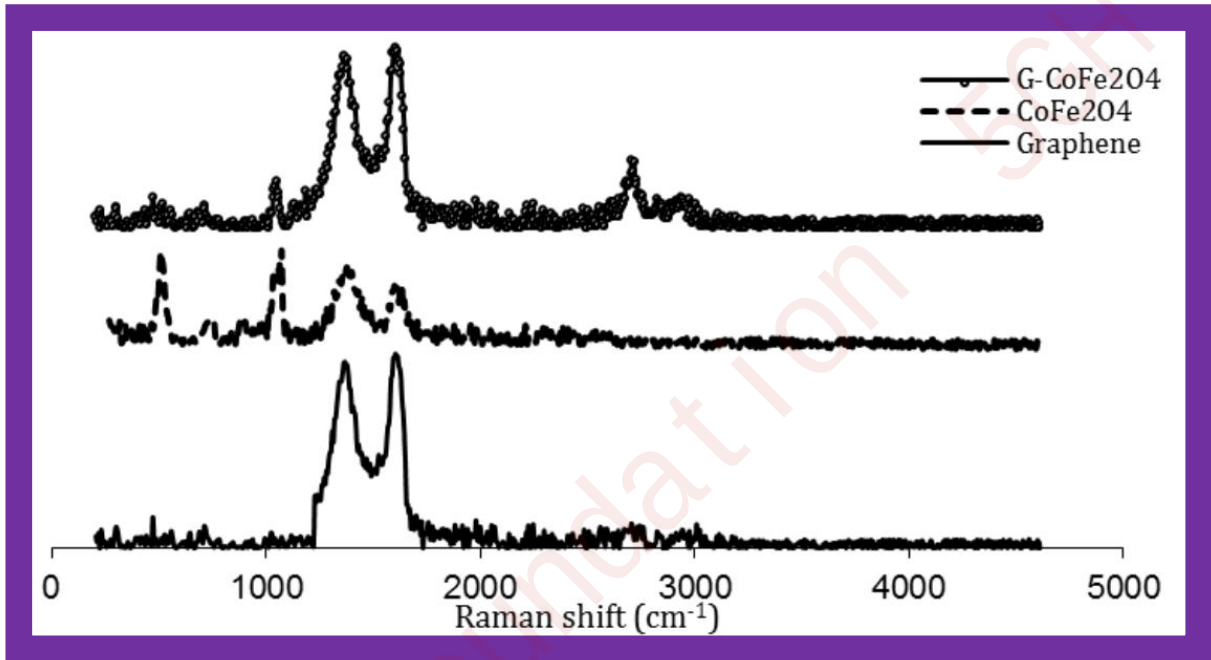


Fig. 6. Raman spectra of graphene, CoFe₂O₄ and G-CoFe₂O₄.

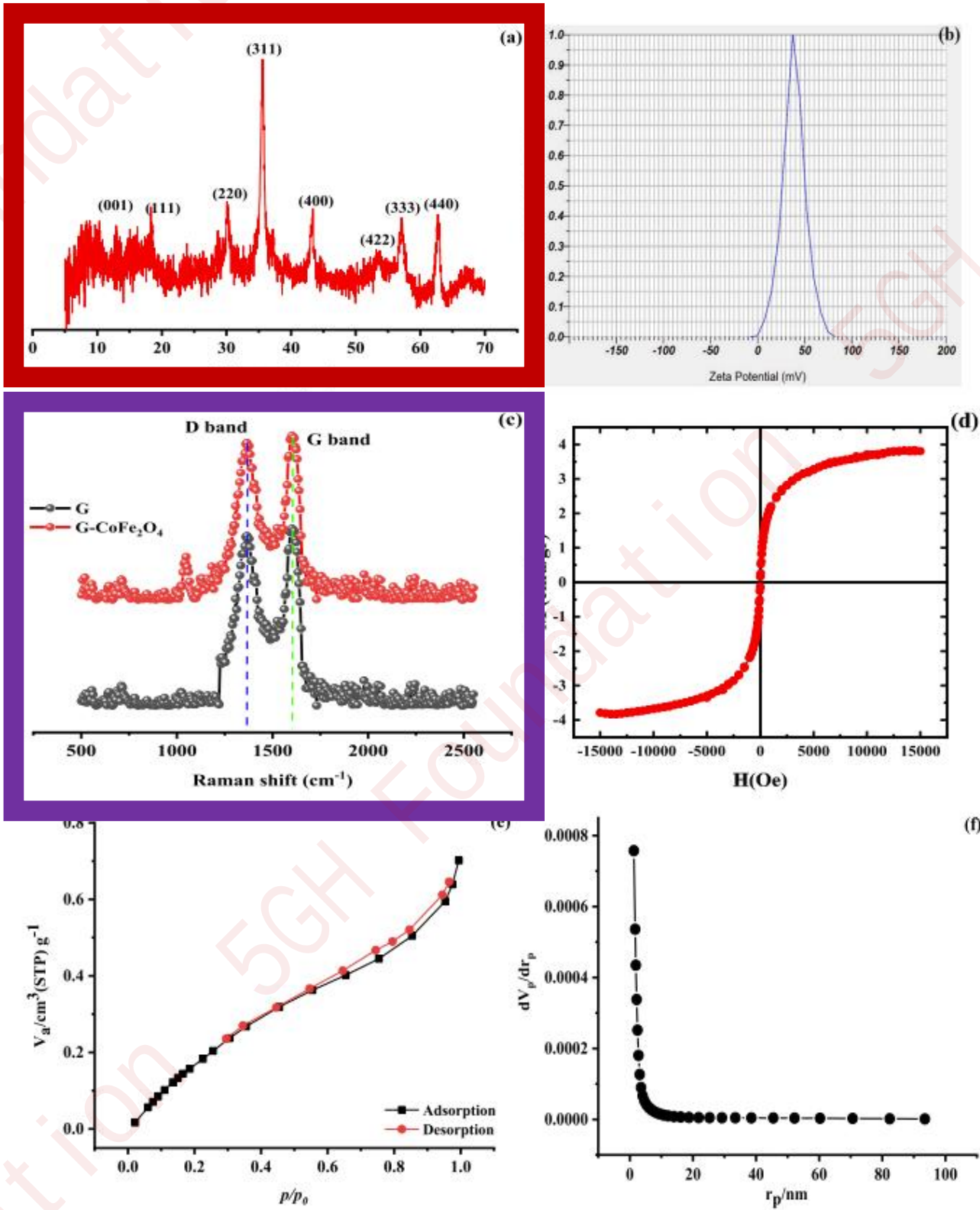


Fig. 4. XRD patterns (a), Zeta potential analysis (b), Raman spectra (c), VSM analysis (d), and N₂ adsorption-desorption isotherm (e, f) of the synthesized catalyst.

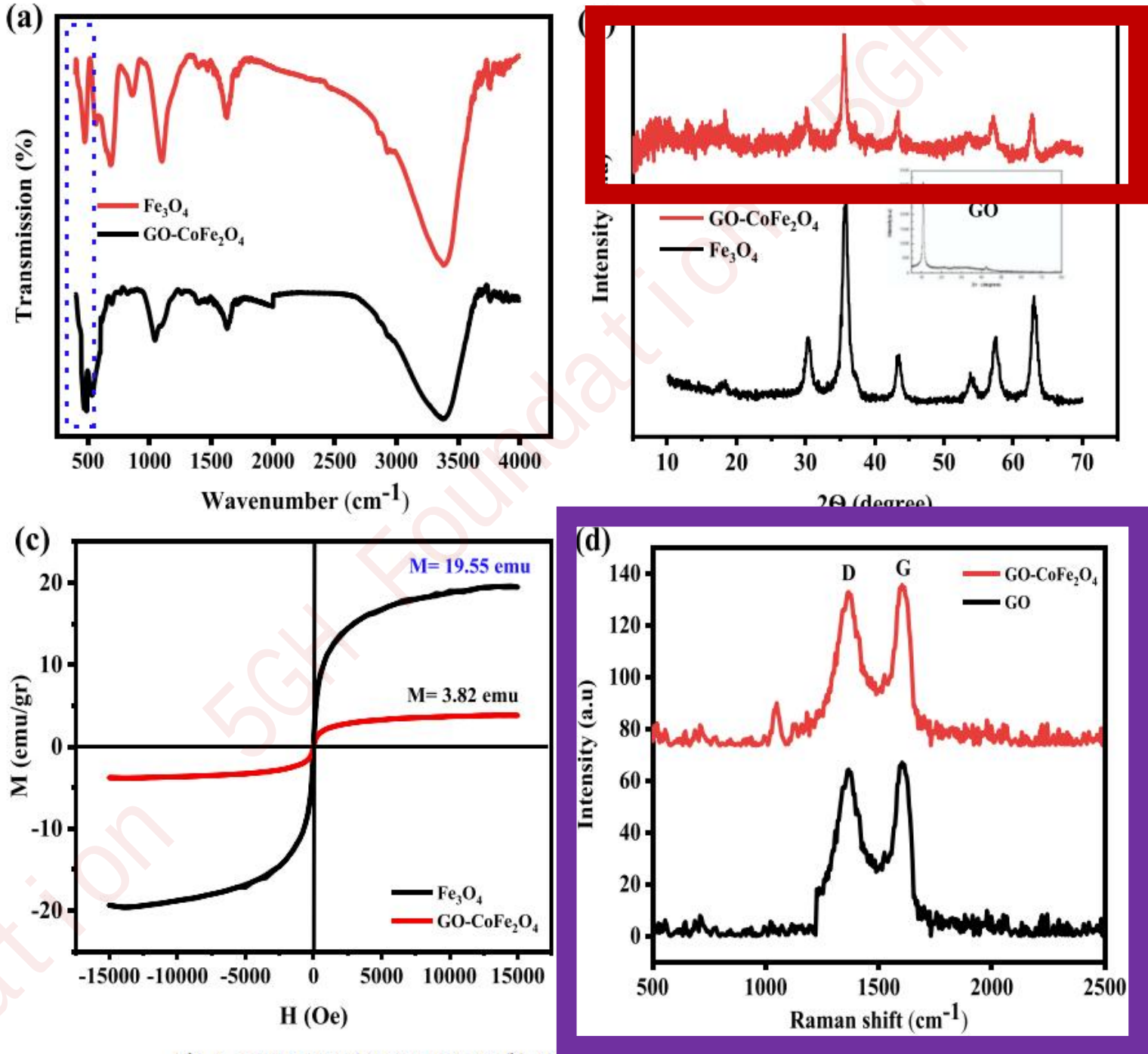


Fig. 4. FTIR spectra (a), XRD patterns (b), Hysteresis loop (c) and Raman spectra of samples.

Left: 10.5004/dwt.2019.24593
Middle: 10.1016/j.jwpe.2021.102548
Right: 10.1016/j.dwt.2024.100219

Images Reused

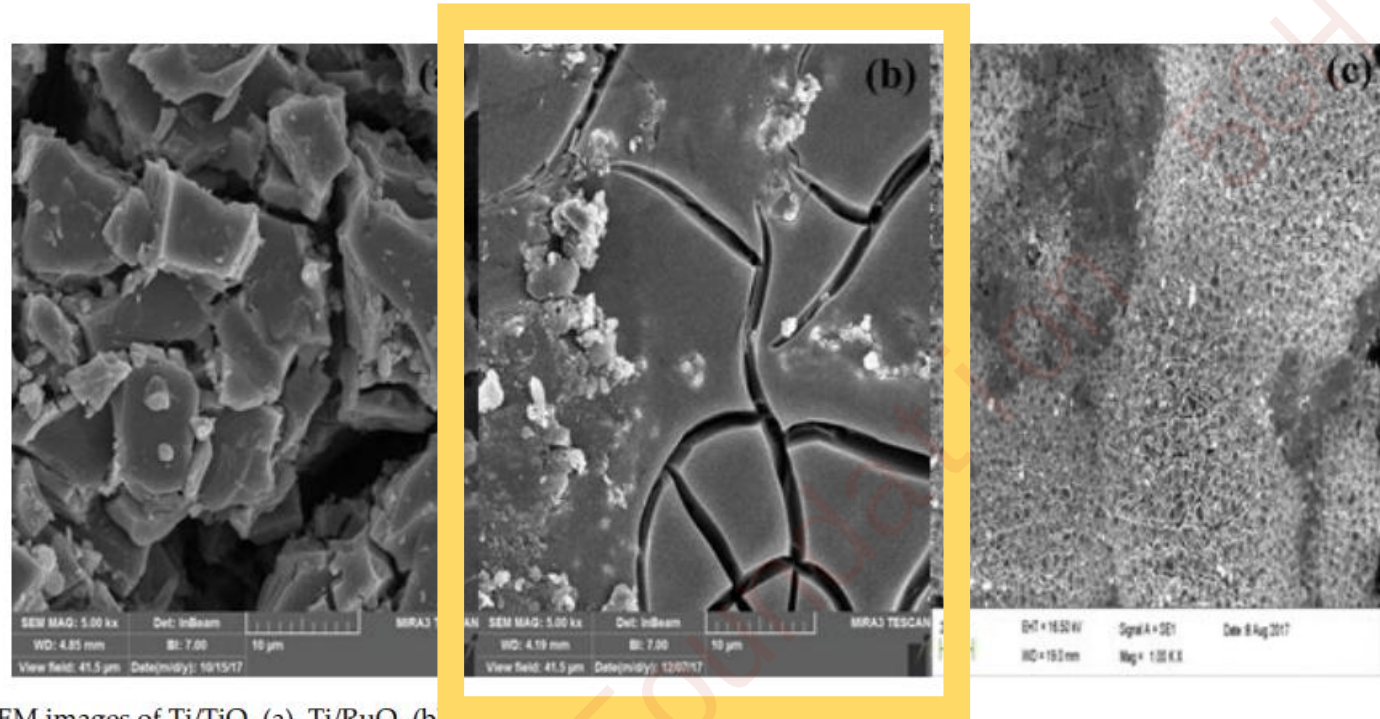


Fig. 1. SEM images of Ti/TiO₂ (a), Ti/RuO₂ (b), and Ti/RuO₂-RuO₂ (c) electrodes.

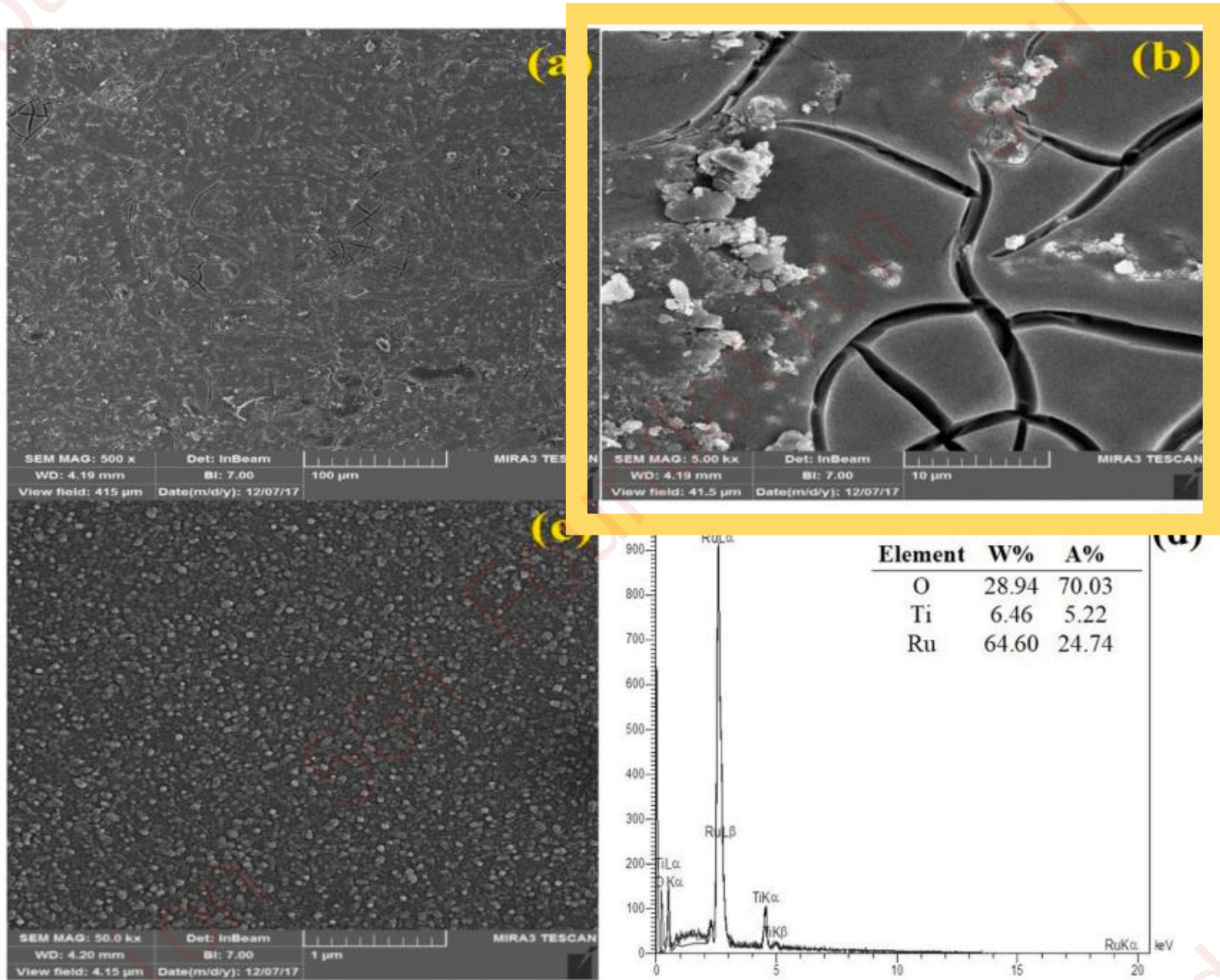


Fig. 2. The SEM image of Ti/RuO₂ with different resolution (a-c); EDX analysis of Ti/RuO₂ (d).

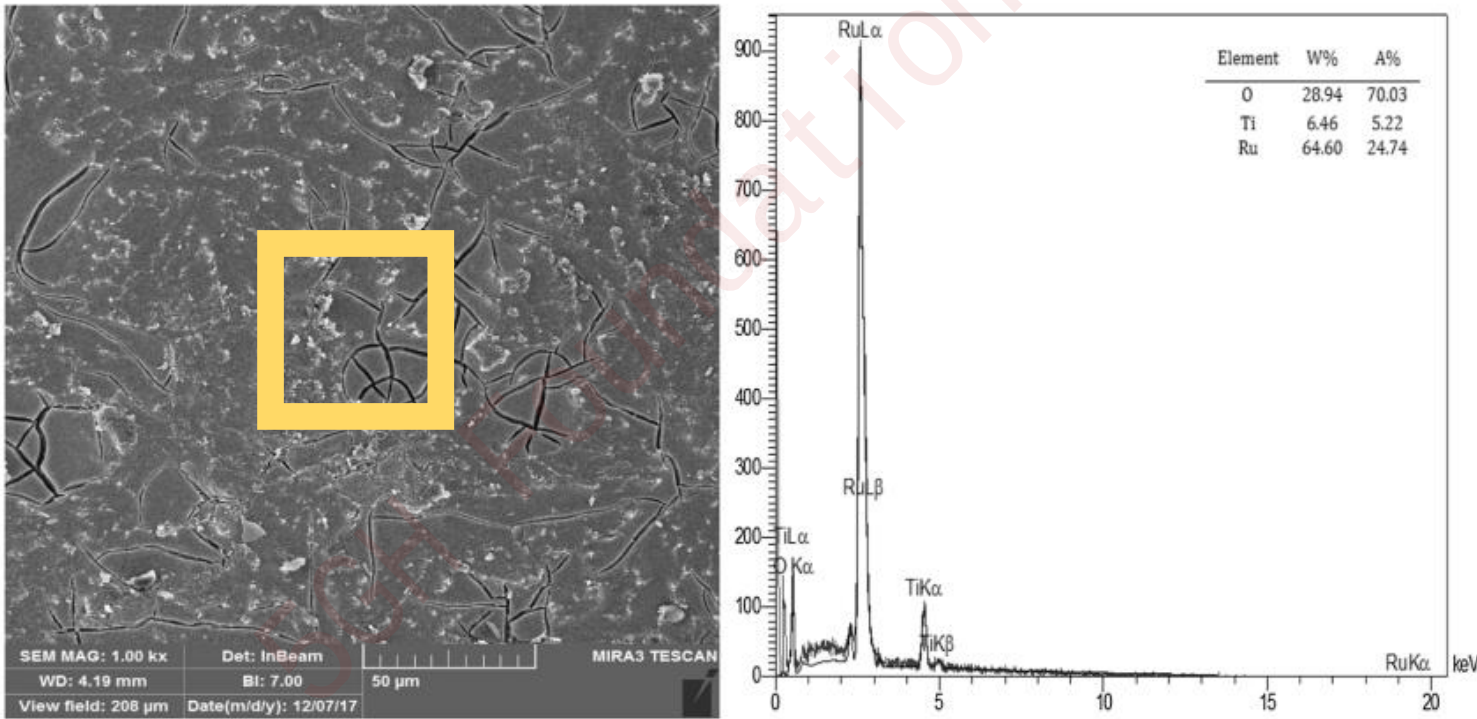


Fig. 4. SEM image and EDS pattern of Ti/RuO₂.

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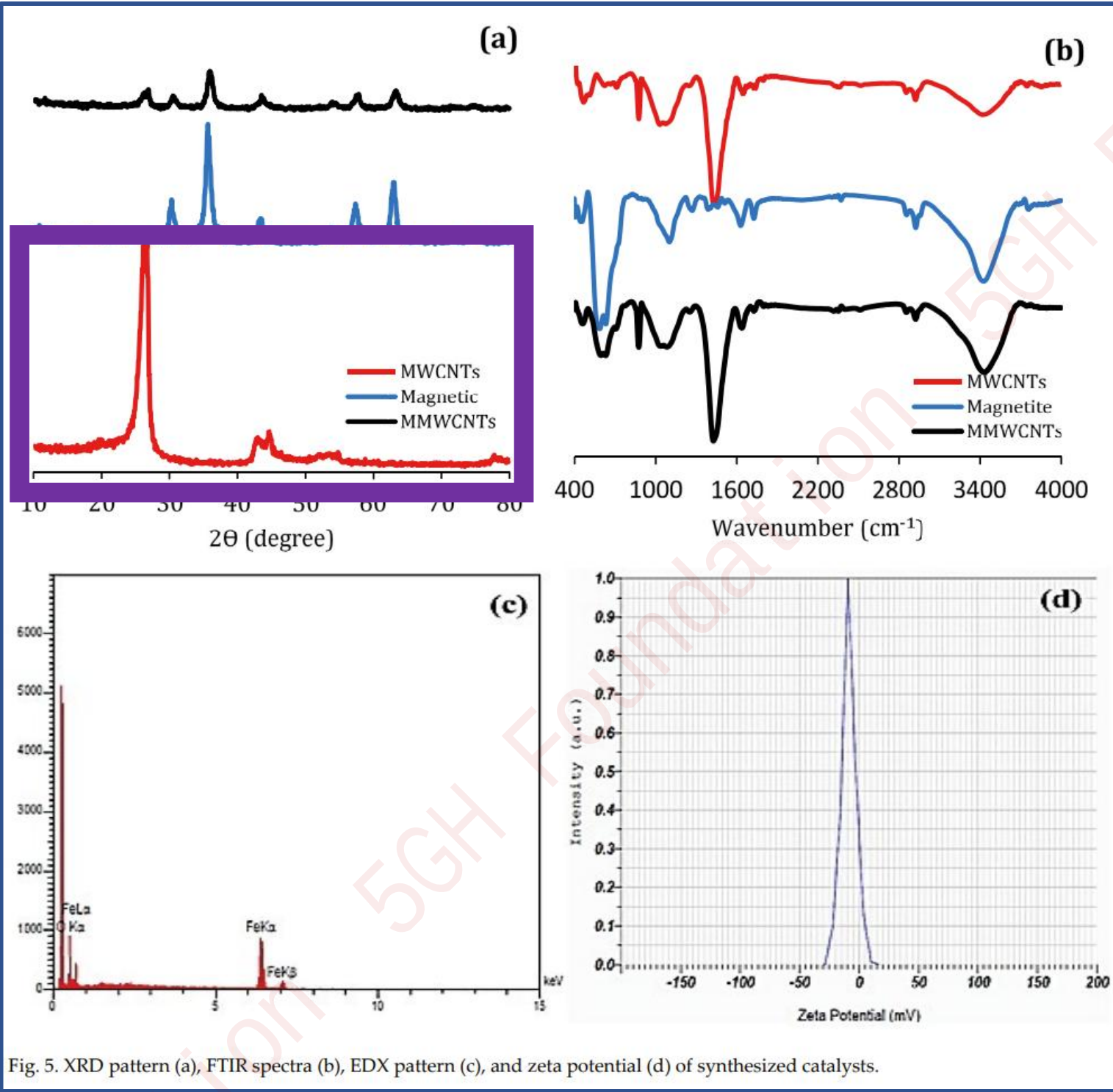


Fig. 5. XRD pattern (a), FTIR spectra (b), EDX pattern (c), and zeta potential (d) of synthesized catalysts.

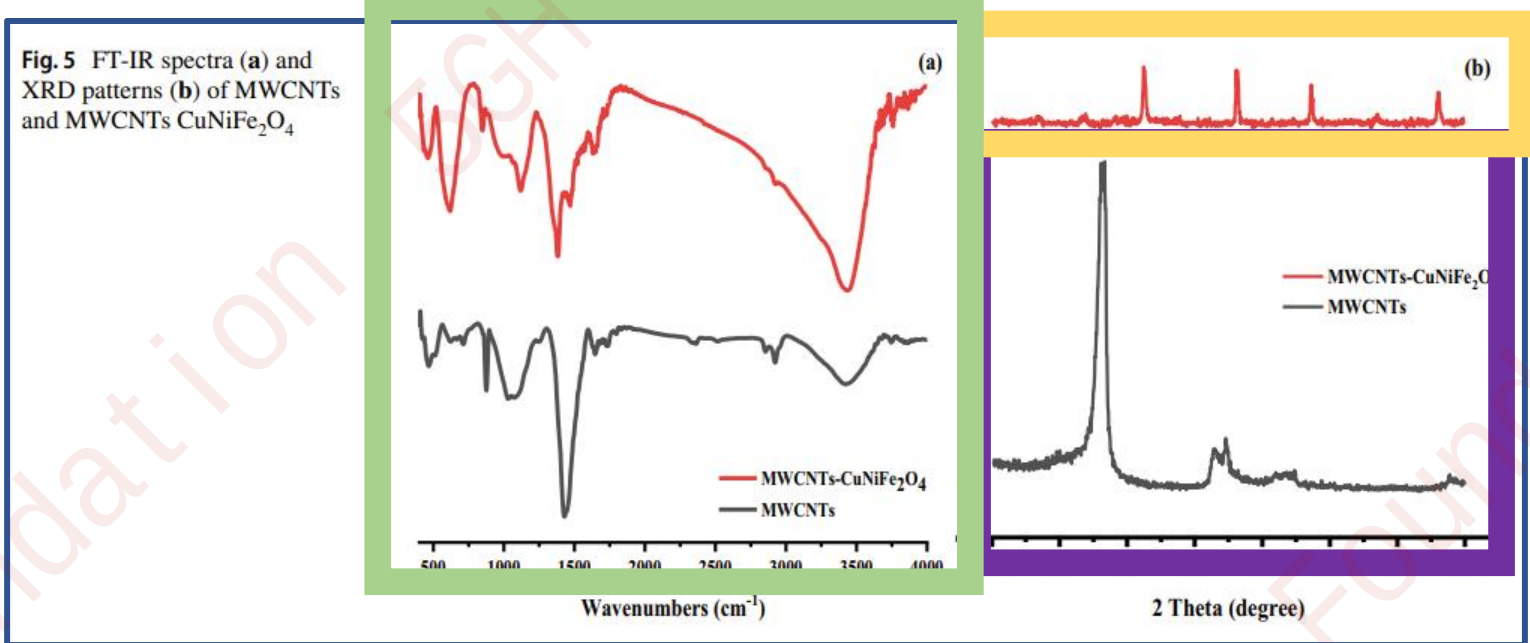
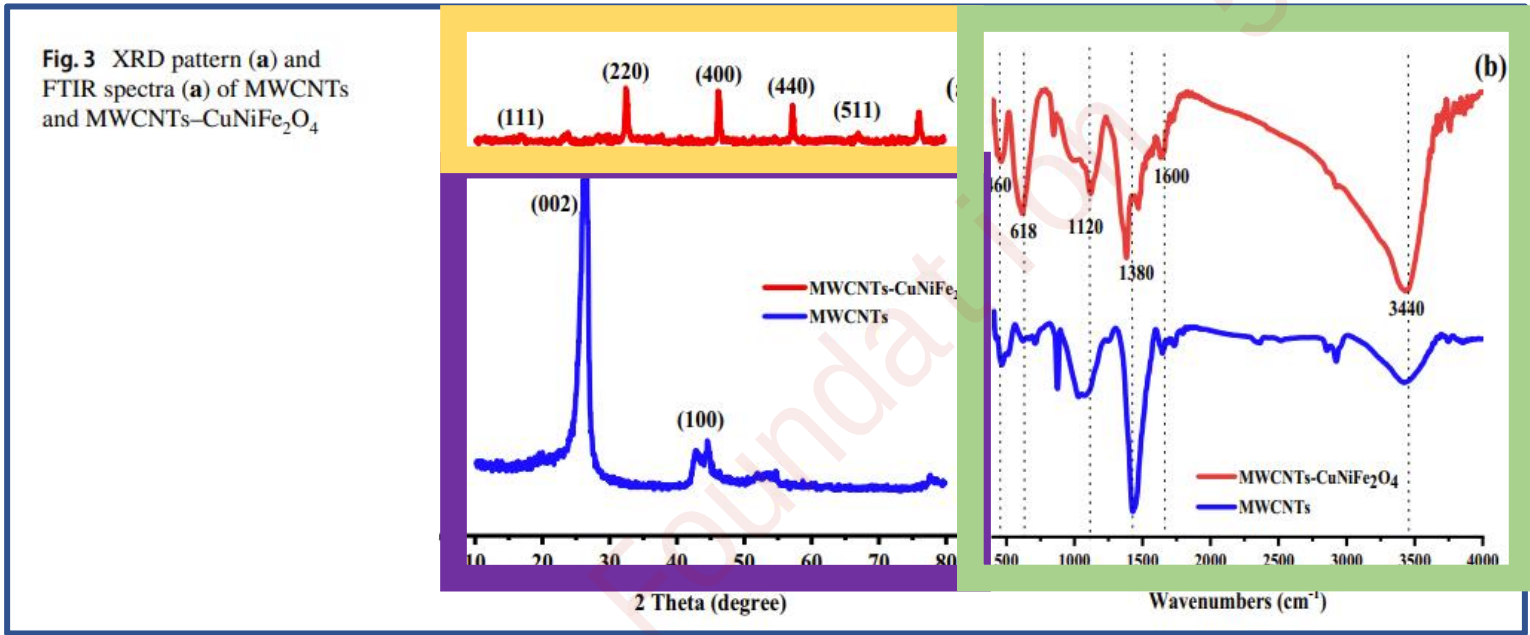
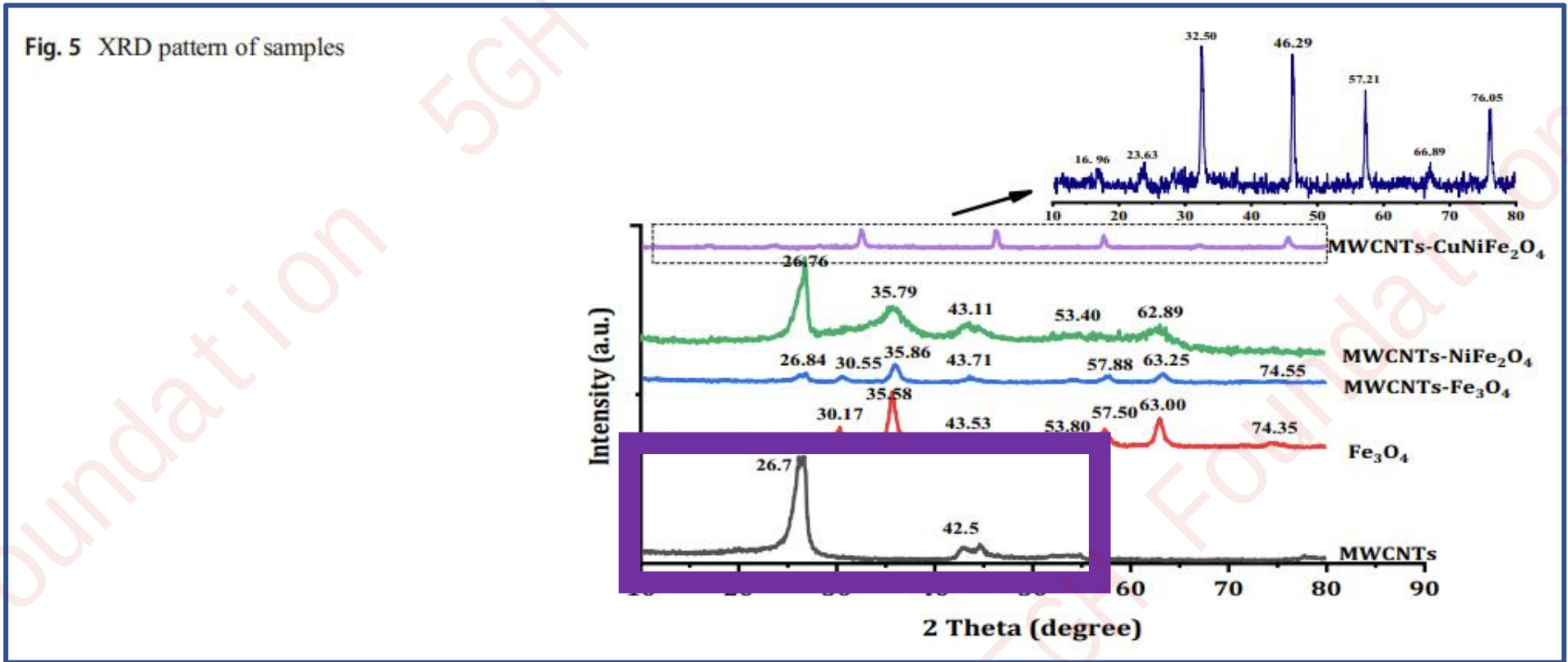


Fig. 5. FT-IR spectra (a) and XRD patterns (b) of MWCNTs and MWCNTs-CuNiFe₂O₄.

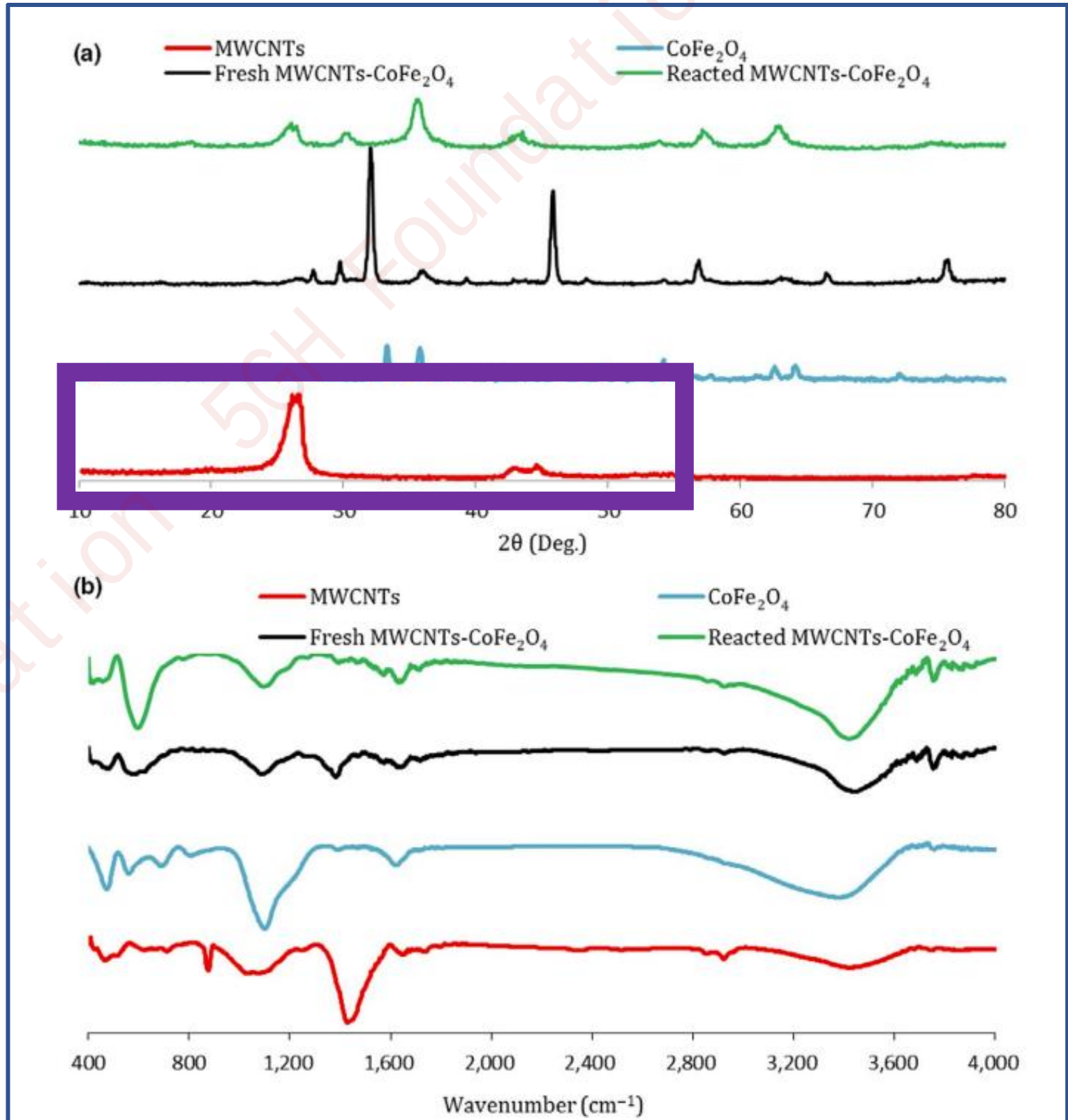


Figure 4. XRD (a) and FTIR spectra (b) of MWCNTs, CoFe₂O₄, fresh and reacted MWCNTs-CoFe₂O₄.

Left: 10.5004/dwt.2020.25422

Upper-Middle: 10.1007/s11356-021-14590-2

Center: 10.1007/s11356-022-19460-z

Lower-Middle: 10.1007/s13399-022-02305-7

Lower-Right: 10.1002@wer.1291

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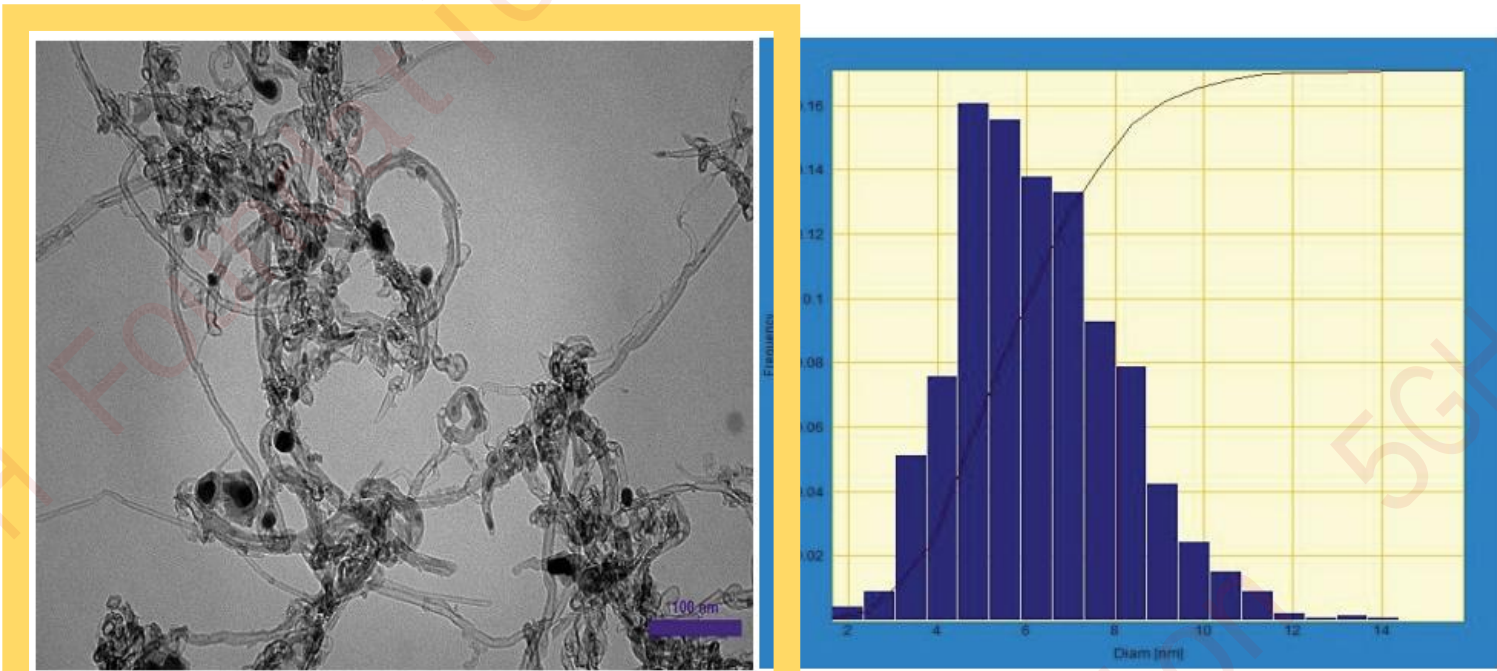


Fig. 4. TEM image and size distribution histogram of MMWCNTs.

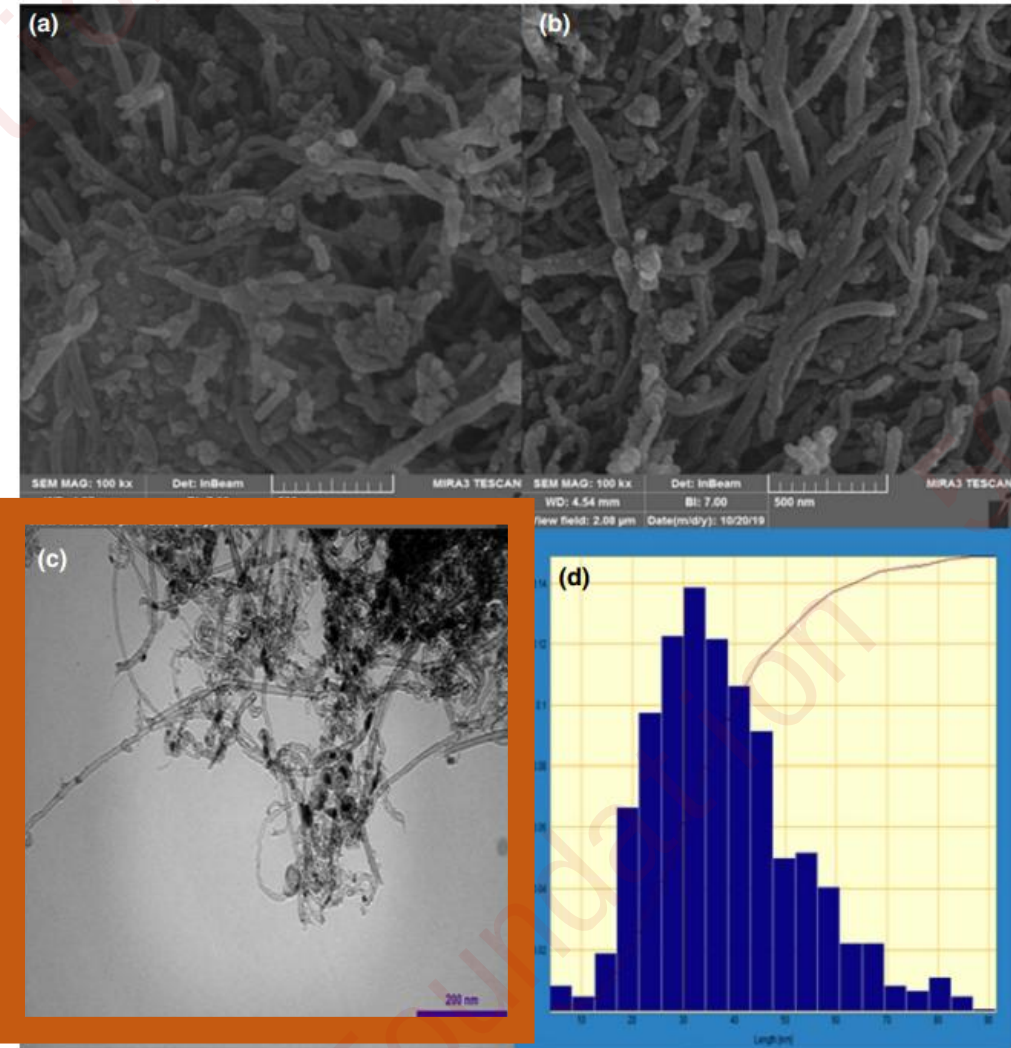


Figure 2. SEM of fresh (a) and reacted (b) MWCNTs-CoFe₂O₄, TEM image (c), and size distribution histogram (d) of fresh MWCNTs-CoFe₂O₄.

Fig. 3 TEM images of MWCNTs (a), CuNiFe₂O₄ (b), and MWCNTs-CuNiFe₂O₄ (c and d)

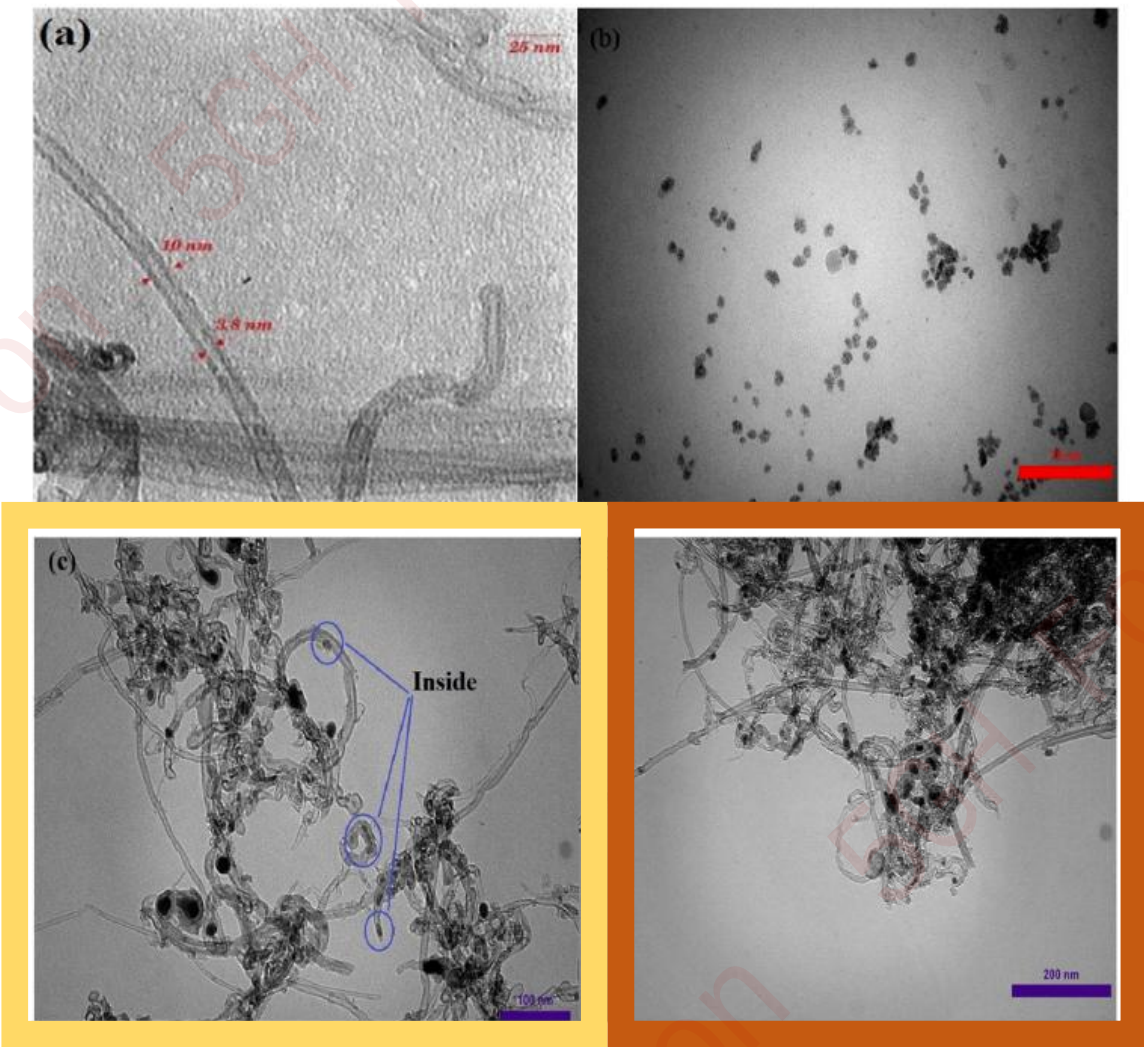
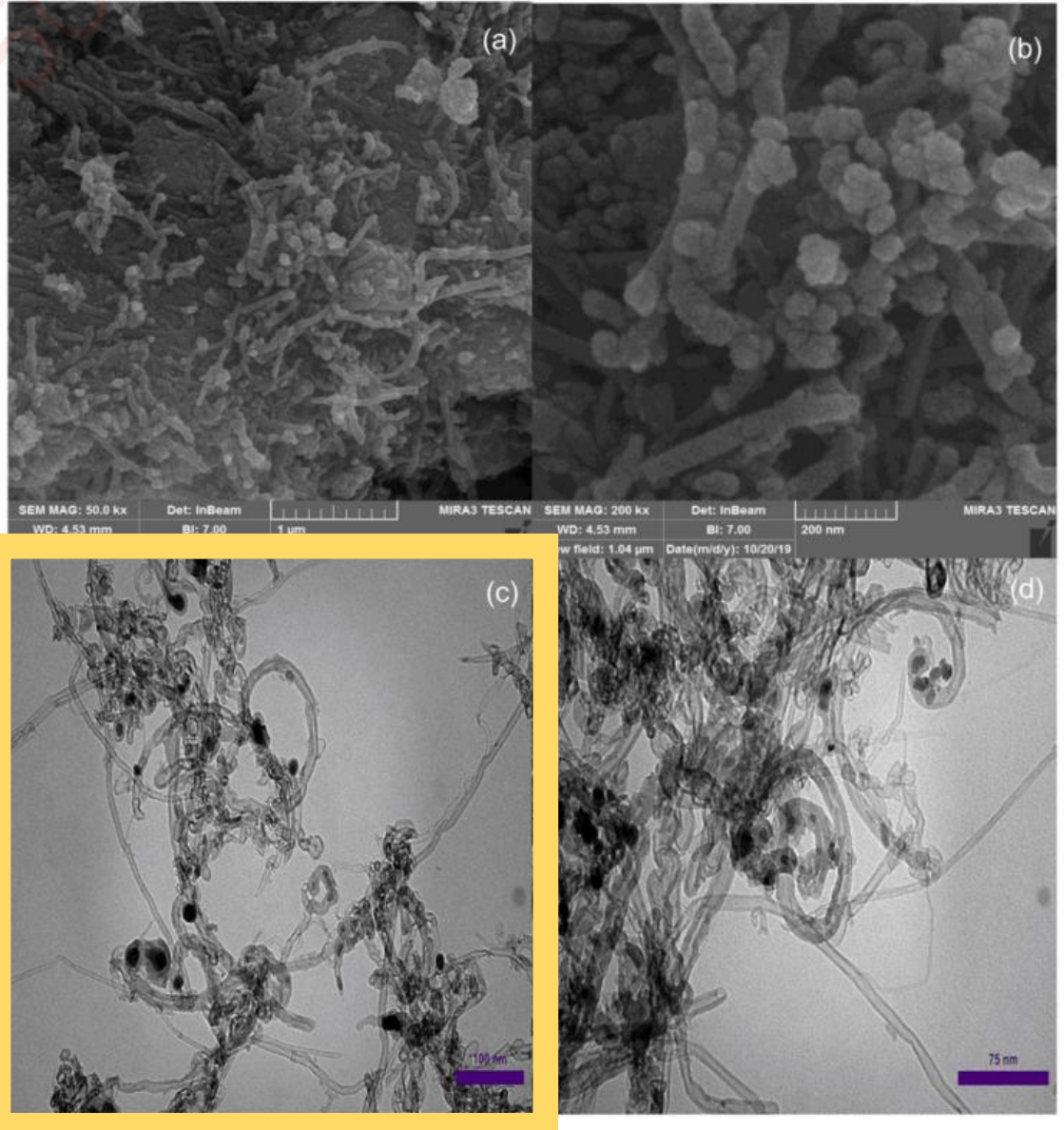


Fig. 1 SEM (a, b) and TEM (c, d) images of MWCNTs-CoFe₂O₄



Upper-Left: 10.5004/dwt.2020.25422
Lower-Left: 10.1007/s13399-022-02305-7
Upper-Right: 10.1002/wer.1291
Lower-Right: 10.1007/s11356-020-10427-6

Images Reused

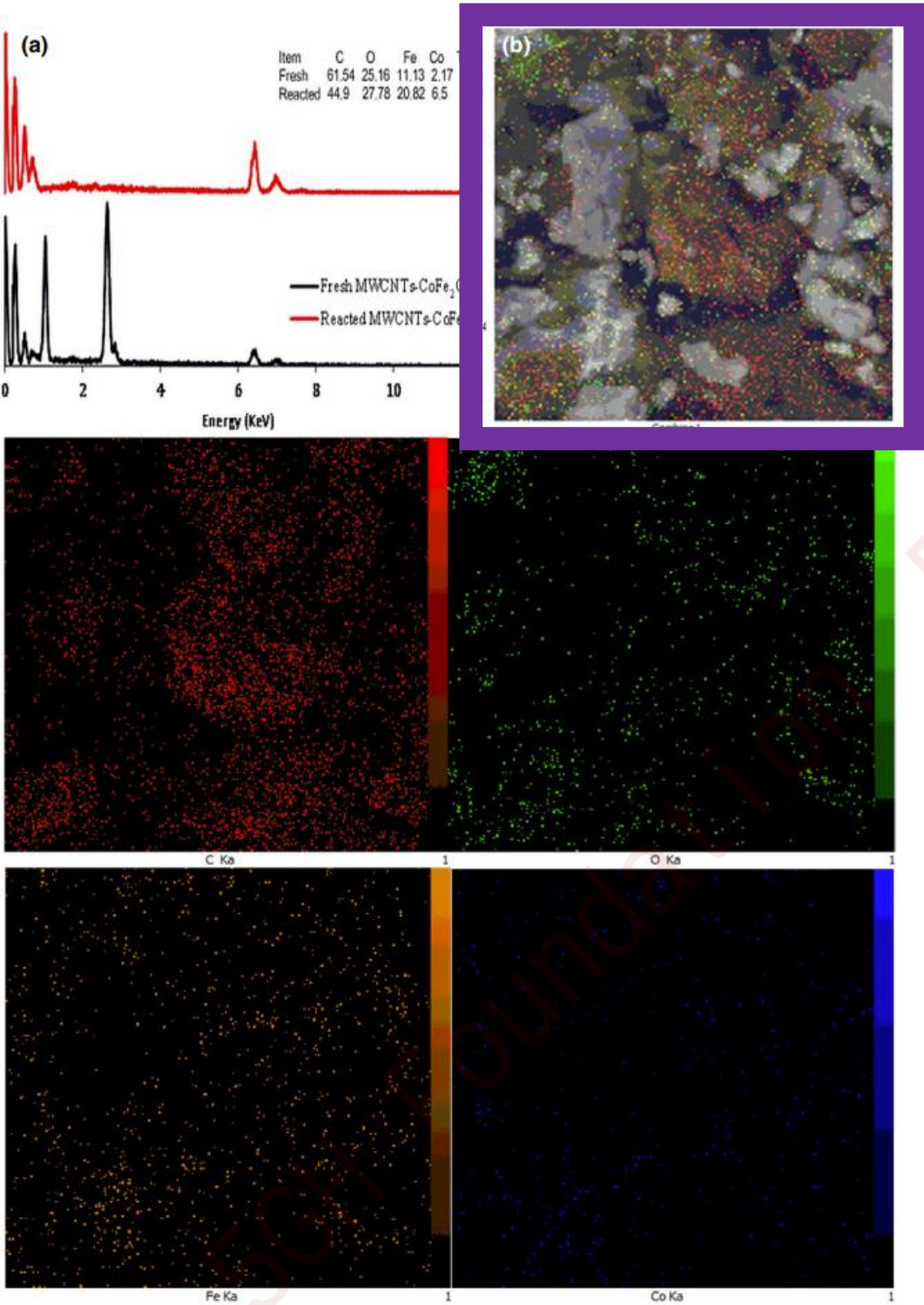


Figure 3. EDS of fresh and reacted MWCNTs-CoFe₂O₄ (a) and EDS mapping of fresh MWCNTs-CoFe₂O₄ (b) 161 x 228 mm (300 x 300 DPI).

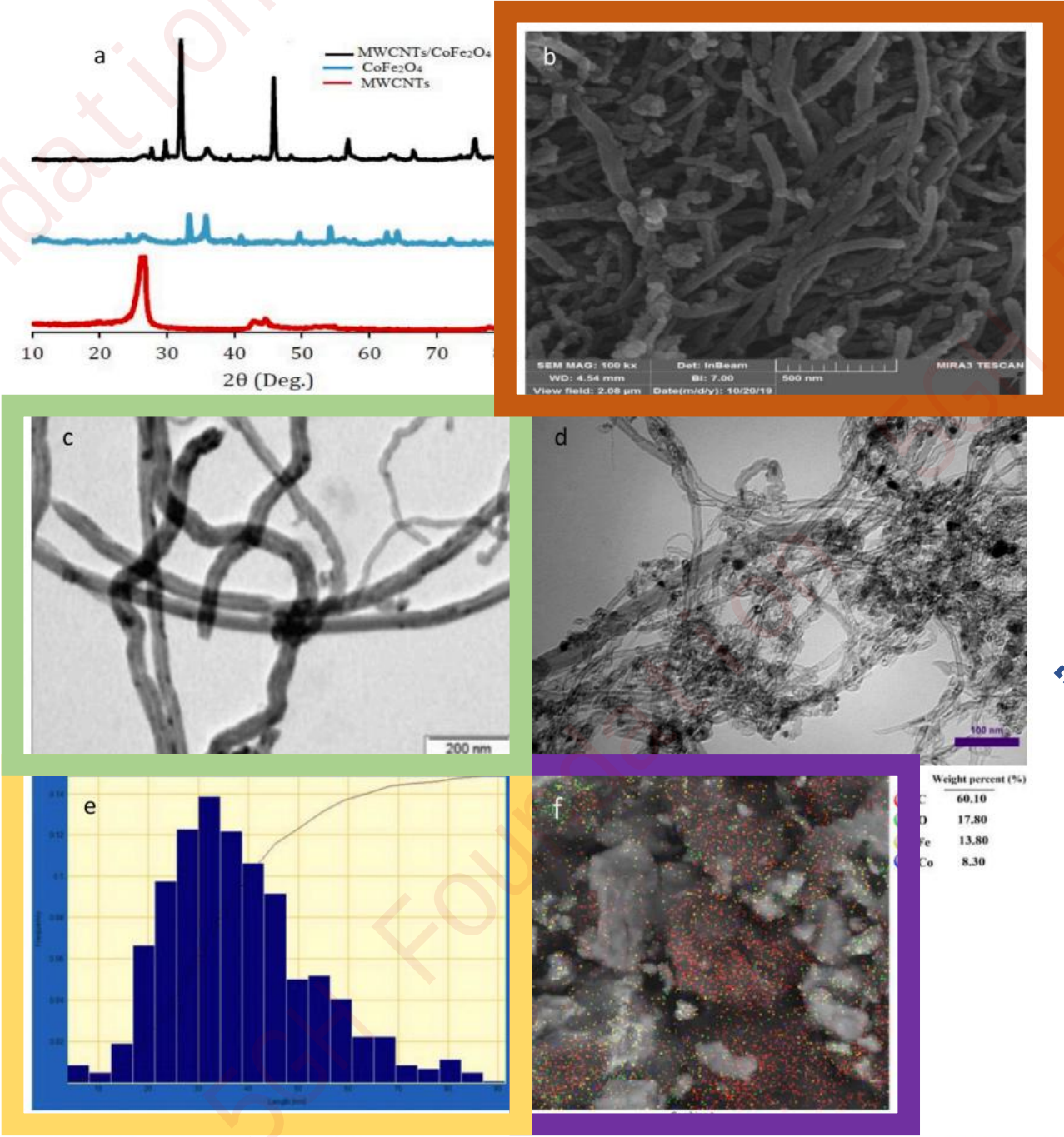


Fig. 2. XRD patterns of the MWCNTs and MWCNTs/CoFe₂O₄ (a), SEM image of MWCNTs/CoFe₂O₄ (b), TEM image of MWCNTs and MWCNTs/CoFe₂O₄ (c and d), size distribution histogram of MWCNTs/CoFe₂O₄ (e), and EDS-SEM analysis of MWCNTs/CoFe₂O₄ (f).

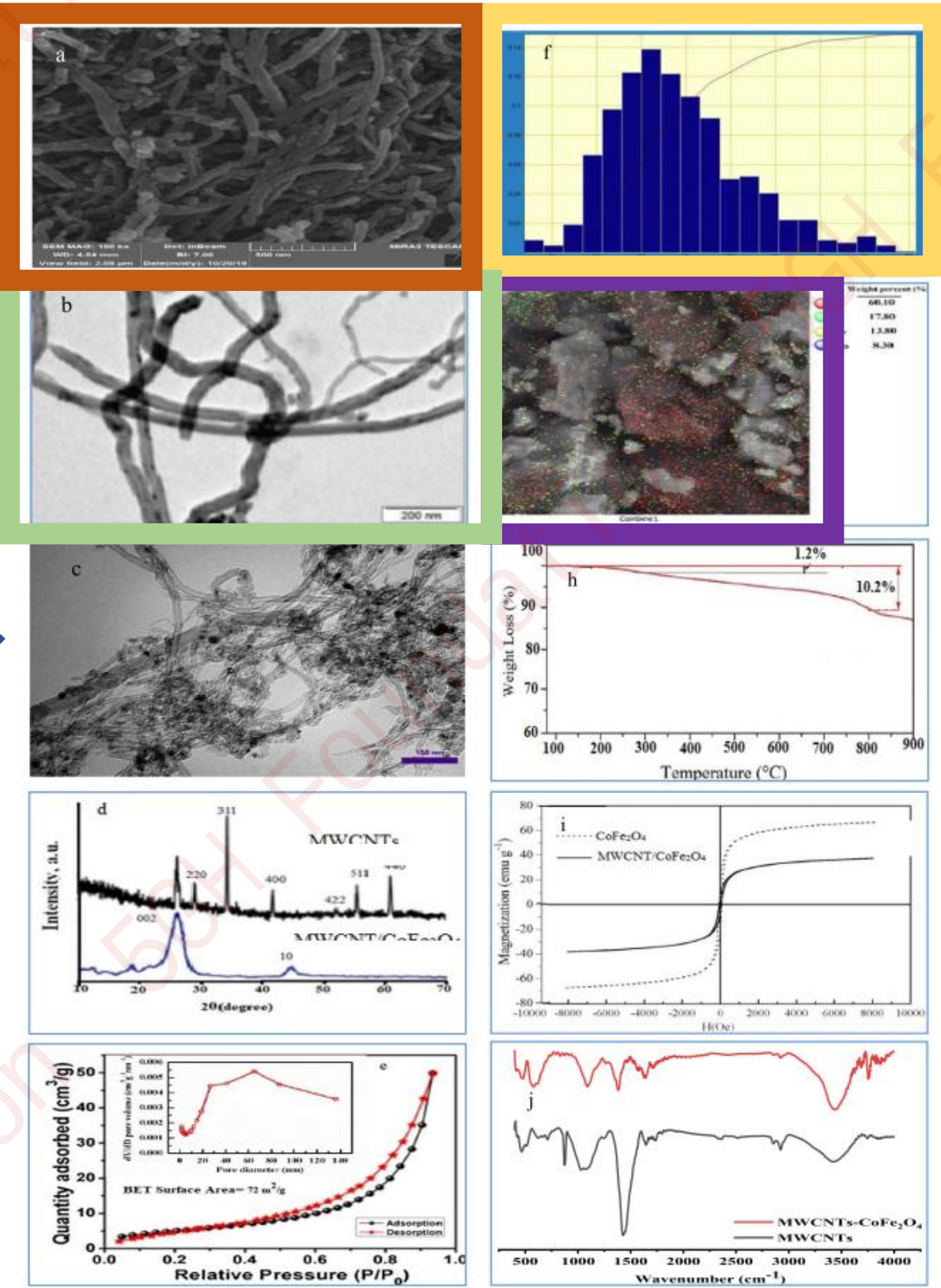
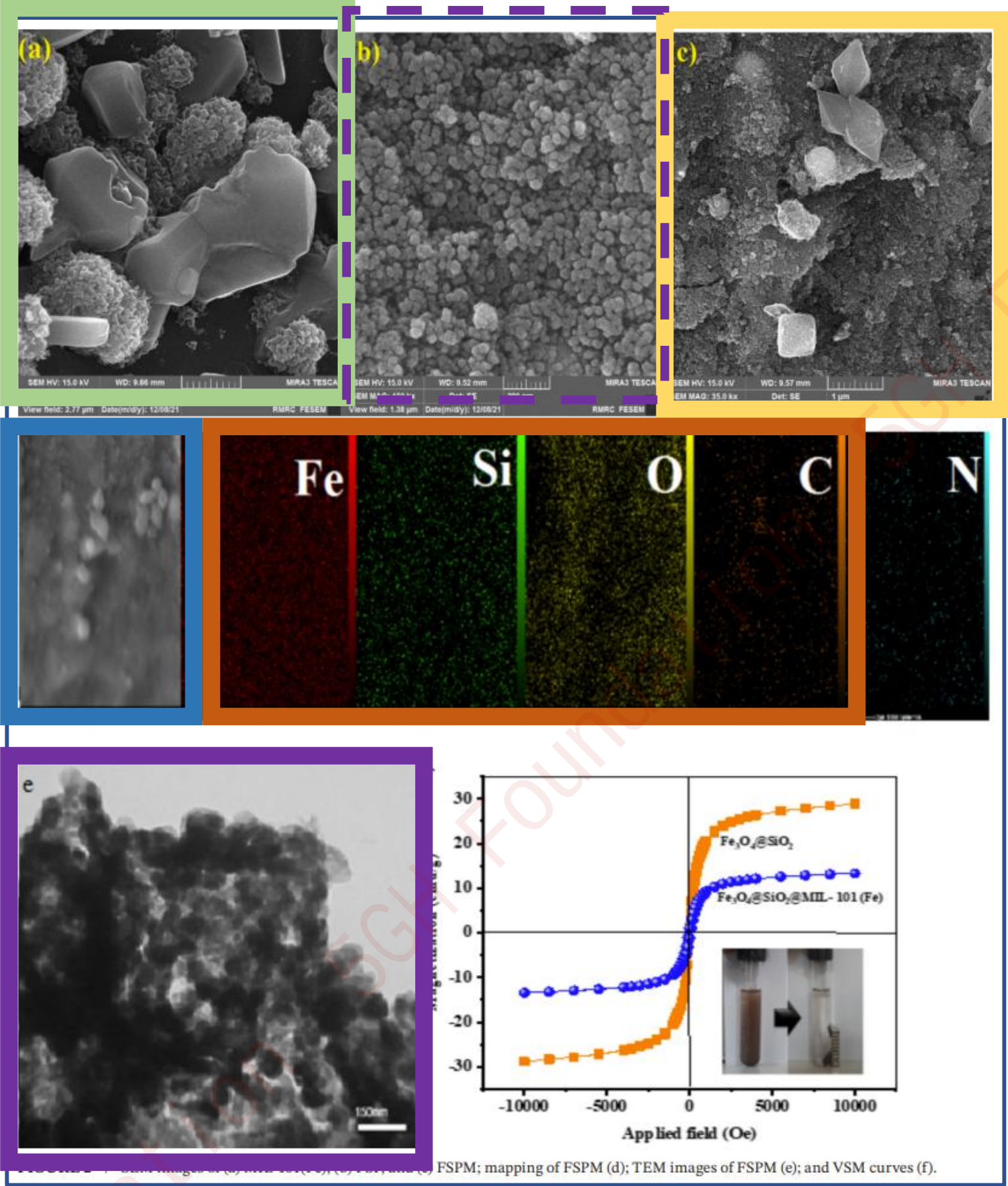


Fig. 1. SEM image of MWCNTs/CoFe₂O₄ (a), TEM image of MWCNTs (b), TEM image of MWCNTs/CoFe₂O₄ (c), XRD patterns of the MWCNTs and MWCNTs/CoFe₂O₄ (d), the pore size distribution and N₂ adsorption-desorption isotherms (e), size distribution histogram of MWCNTs/CoFe₂O₄ (f), EDX analysis of MWCNTs/CoFe₂O₄ (g), TGA graph of MWCNTs/CoFe₂O₄ (h), magnetization curves of CoFe₂O₄ and MWCNTs/CoFe₂O₄ (i), and FTIR spectra of MWCNTs and MWCNTs/CoFe₂O₄ (j).

Left: 10.1002/wer.1291
Middle: 10.1016/j.jphotochem.2021.113617
Right: 10.1016/j.appt.2022.103438

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Left: 10.1002/aoc.7961
Upper-Middle: 10.1080/03067319.2024.2341315
Lower-Middle: 10.1016/j.envres.2023.118019
Upper-Right: 10.1016/j.jphotochem.2023.115140
Lower-Right: 10.1007/s11356-023-29283-1

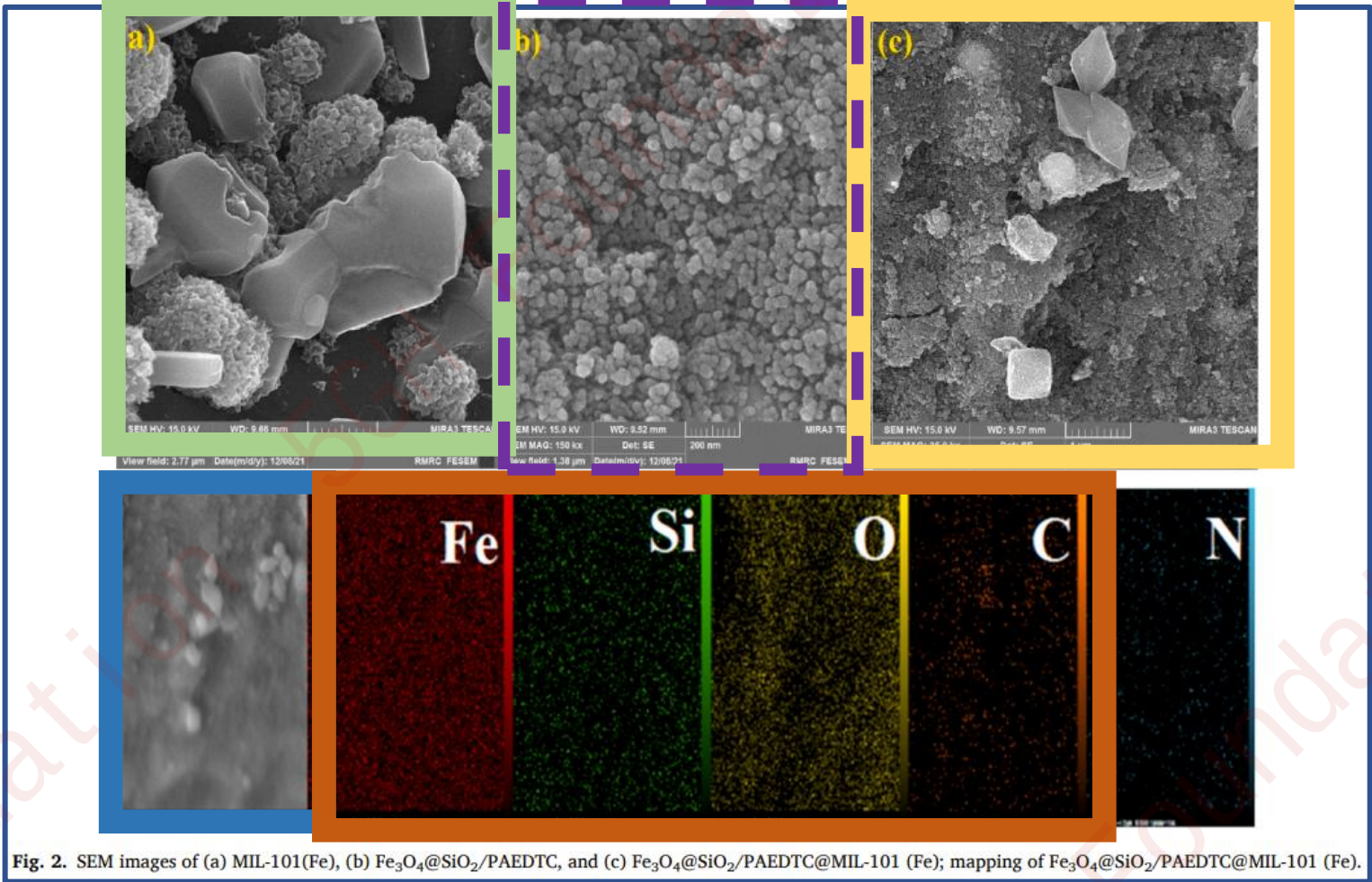
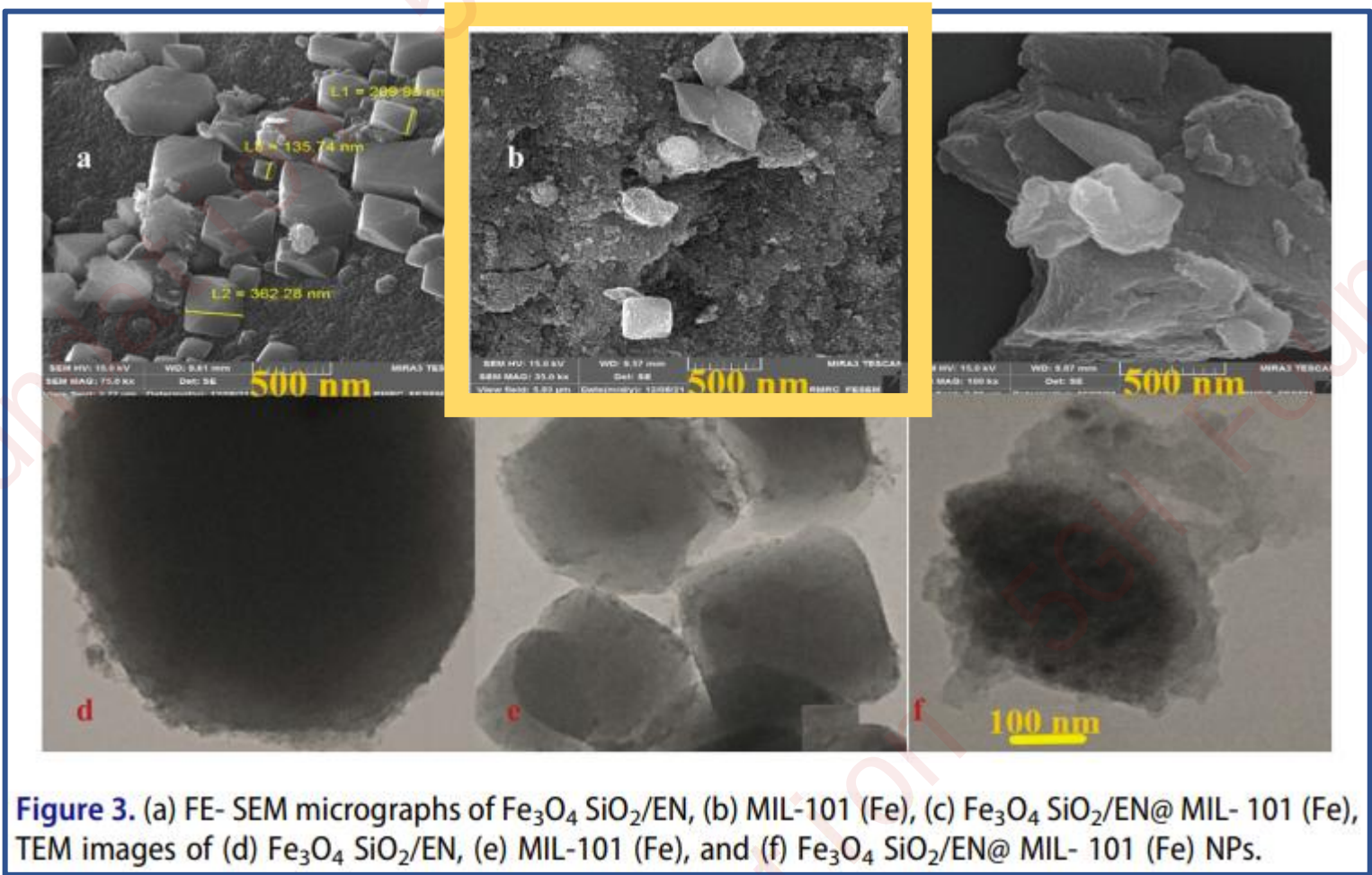


Fig. 2. SEM images of (a) MIL-101(Fe), (b) $\text{Fe}_3\text{O}_4/\text{SiO}_2/\text{PAEDTC}$, and (c) $\text{Fe}_3\text{O}_4/\text{SiO}_2/\text{PAEDTC@MIL-101(Fe)}$; mapping of $\text{Fe}_3\text{O}_4/\text{SiO}_2/\text{PAEDTC@MIL-101(Fe)}$.

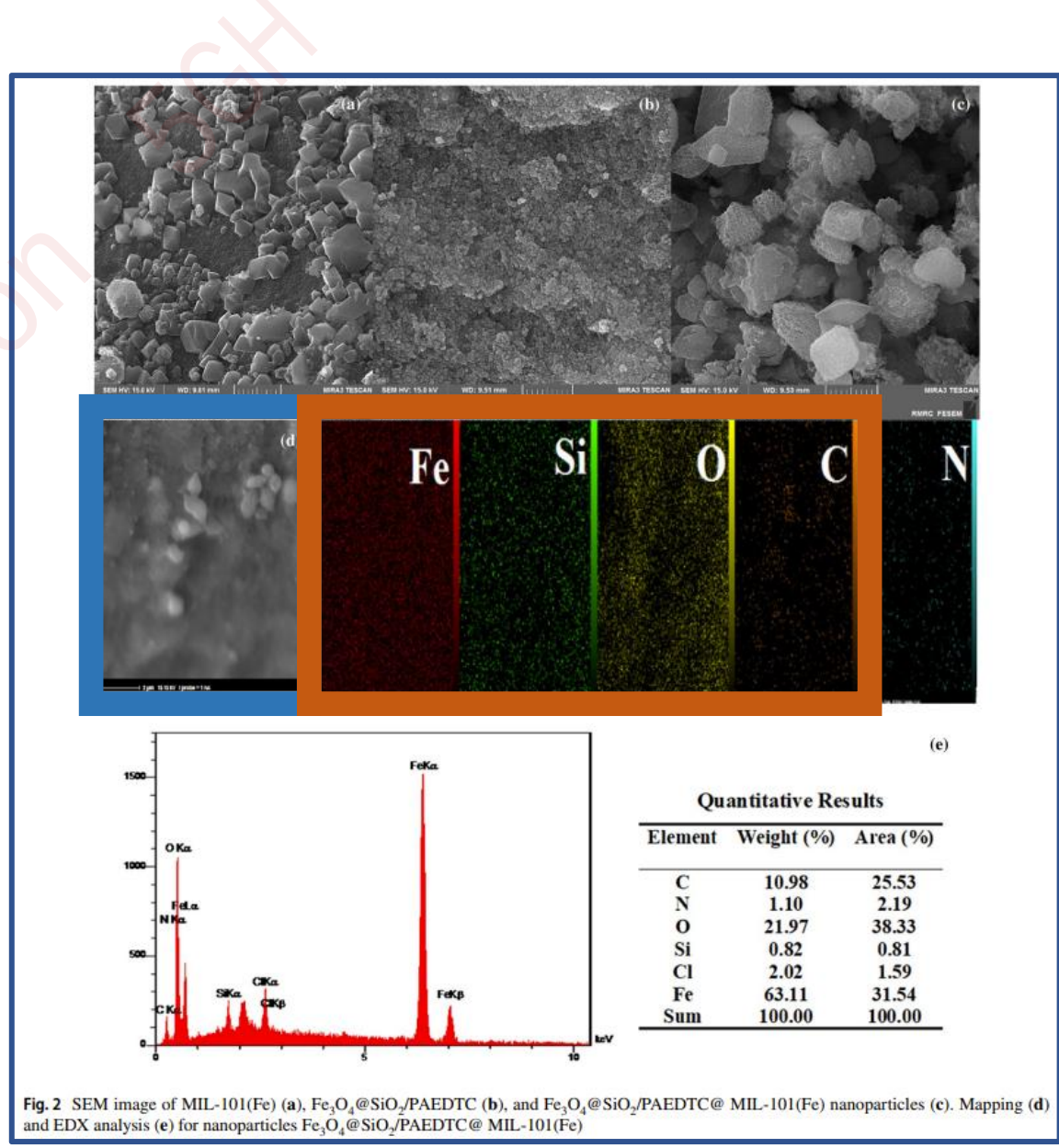
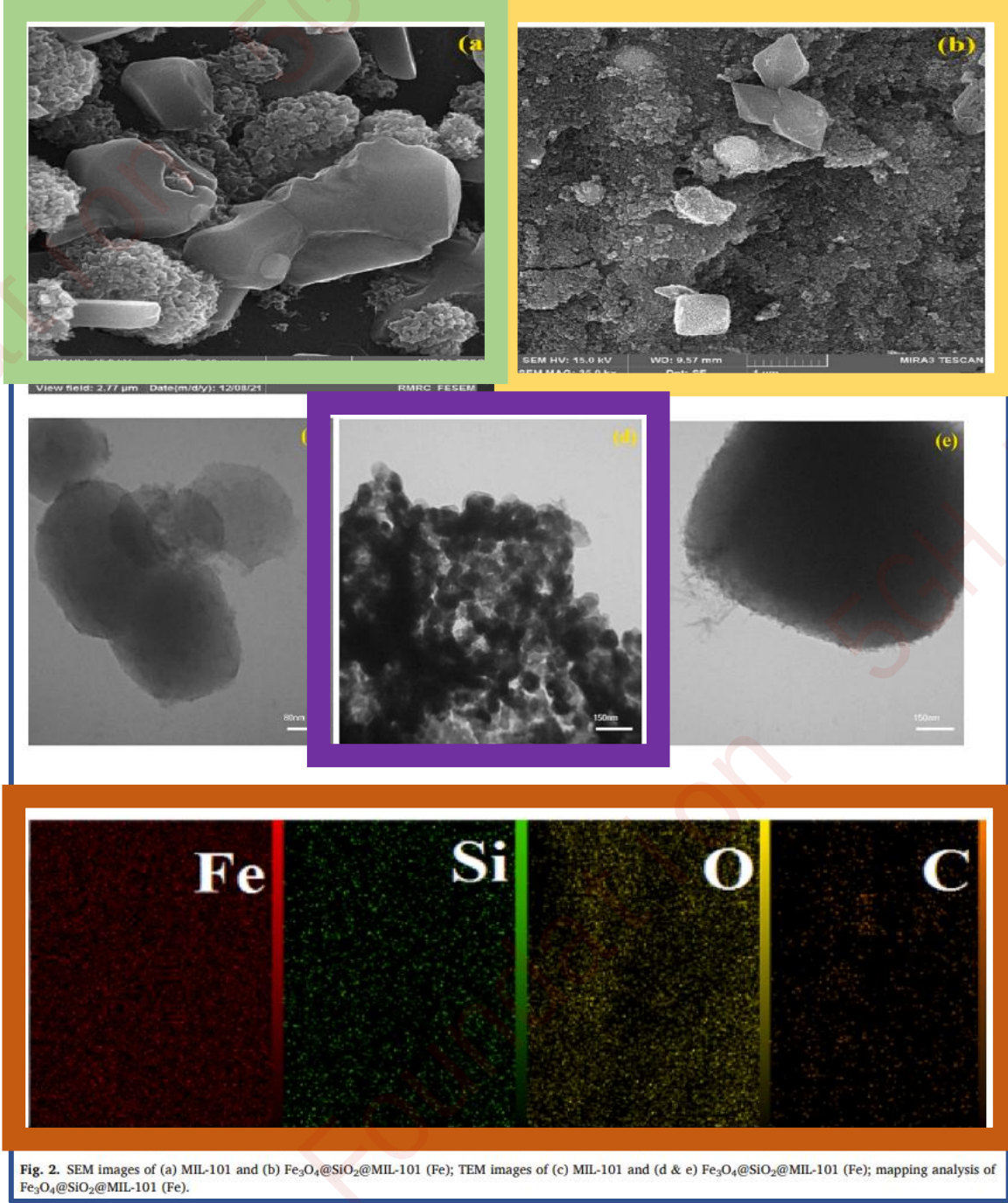


Fig. 2 SEM image of MIL-101(Fe) (a), $\text{Fe}_3\text{O}_4/\text{SiO}_2/\text{PAEDTC}$ (b), and $\text{Fe}_3\text{O}_4/\text{SiO}_2/\text{PAEDTC@MIL-101(Fe)}$ nanoparticles (c). Mapping (d) and EDX analysis (e) for nanoparticles $\text{Fe}_3\text{O}_4/\text{SiO}_2/\text{PAEDTC@MIL-101(Fe)}$.

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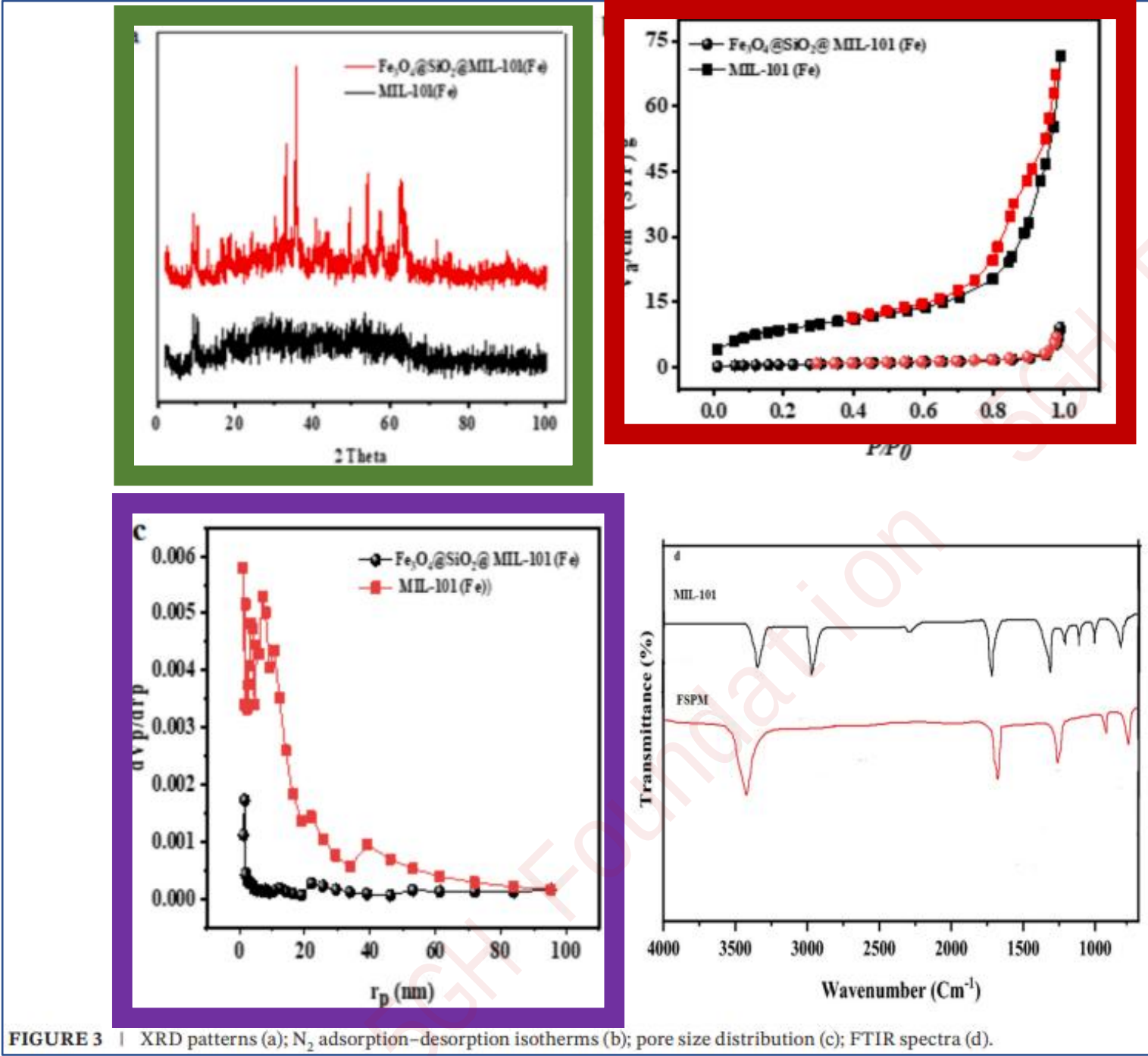


FIGURE 3 | XRD patterns (a); N_2 adsorption-desorption isotherms (b); pore size distribution (c); FTIR spectra (d).

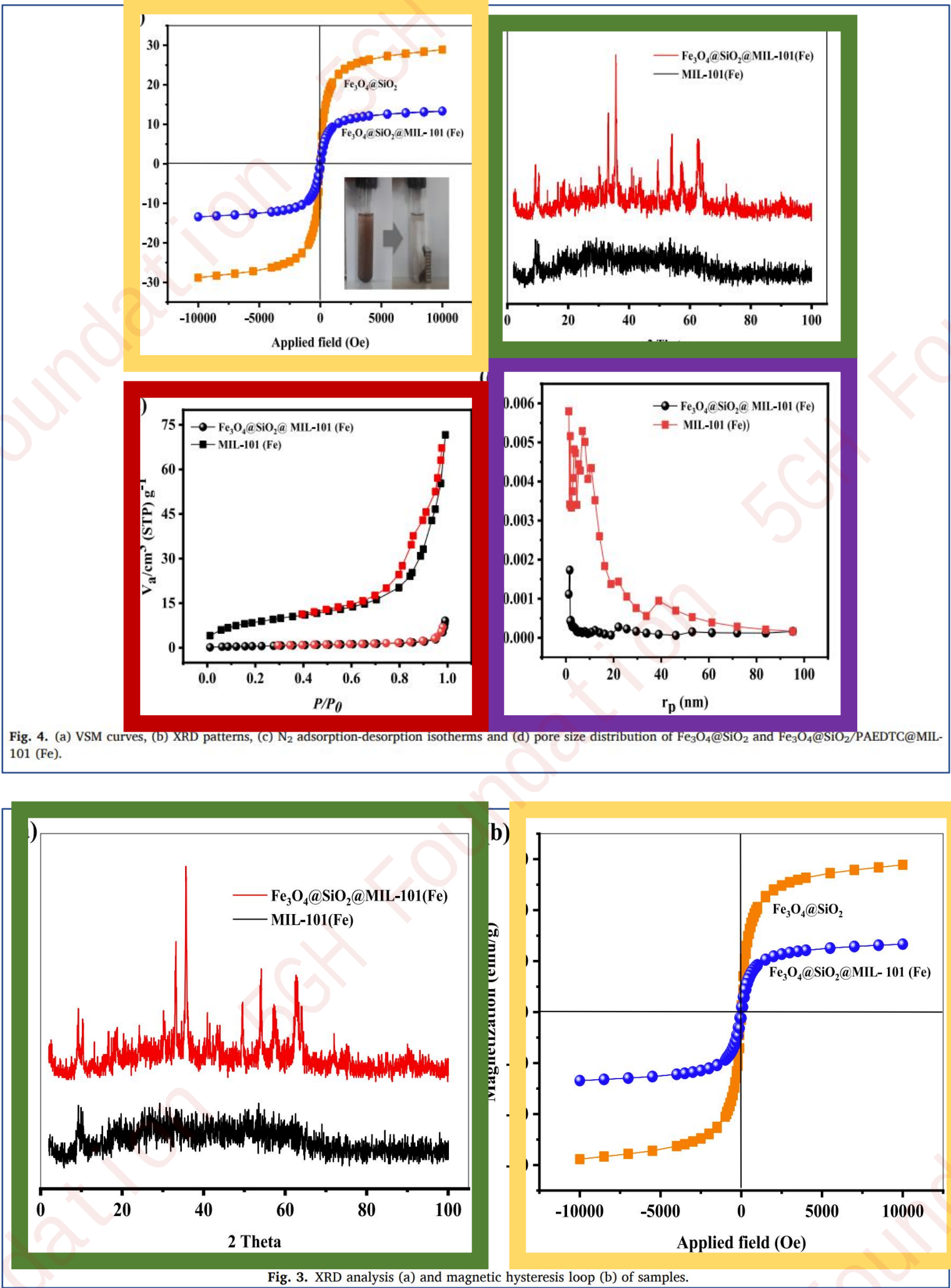


Fig. 4. (a) XRD patterns, (b) VSM curves, (c) N_2 adsorption-desorption isotherms and (d) pore size distribution of $\text{Fe}_3\text{O}_4@\text{SiO}_2$ and $\text{Fe}_3\text{O}_4@\text{SiO}_2/\text{PAEDTC}@ \text{MIL-101(Fe)}$.

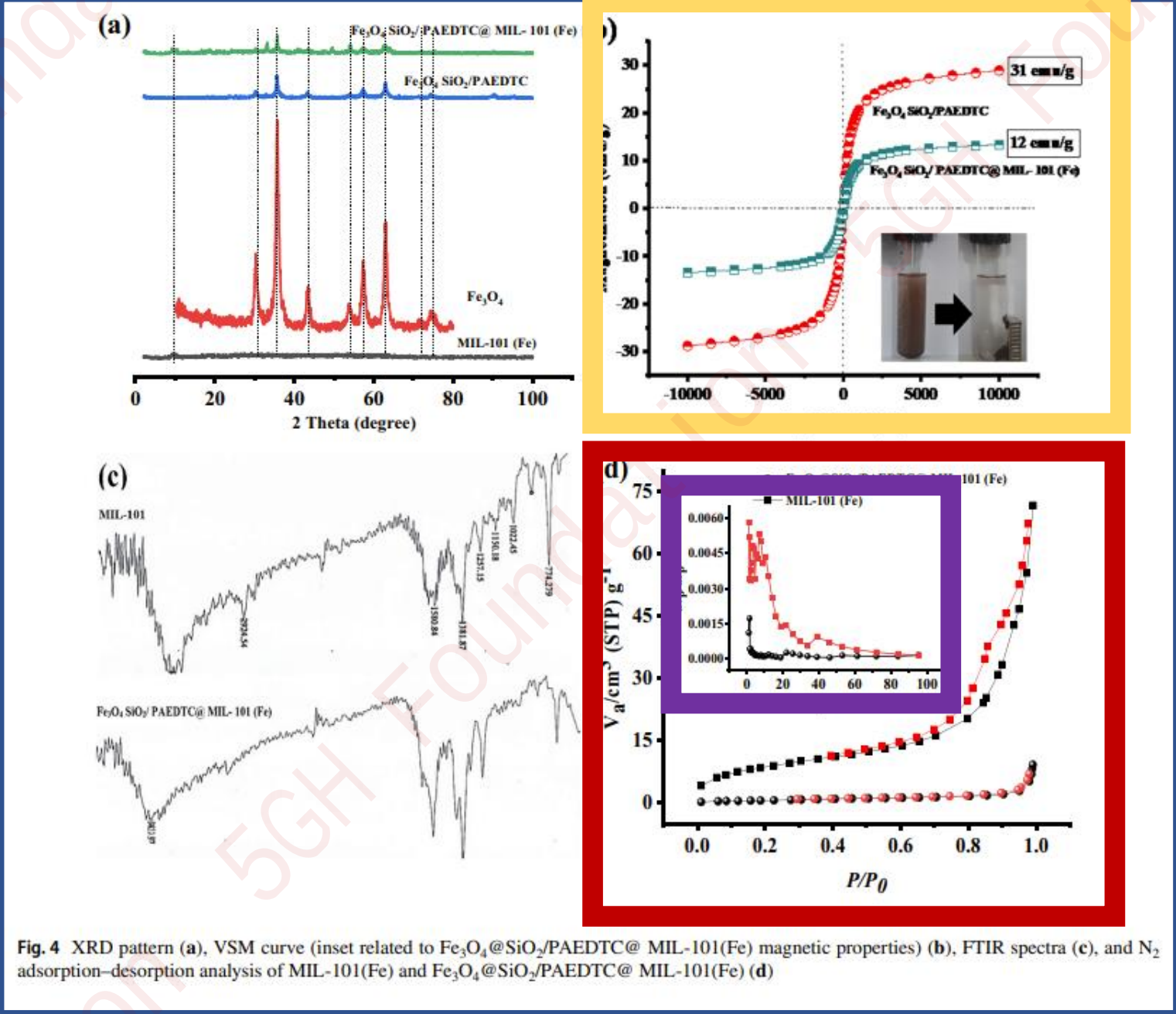


Fig. 4. XRD pattern (a), VSM curve (inset related to $\text{Fe}_3\text{O}_4@\text{SiO}_2/\text{PAEDTC}@ \text{MIL-101(Fe)}$ magnetic properties) (b), FTIR spectra (c), and N_2 adsorption-desorption analysis of MIL-101(Fe) and $\text{Fe}_3\text{O}_4@\text{SiO}_2/\text{PAEDTC}@ \text{MIL-101(Fe)}$ (d).

Left: 10.1002/aoc.7961
Upper-Middle: 10.1016/j.envres.2023.118019
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Right: 10.1007/s11356-023-29283-1

Spectra Reused

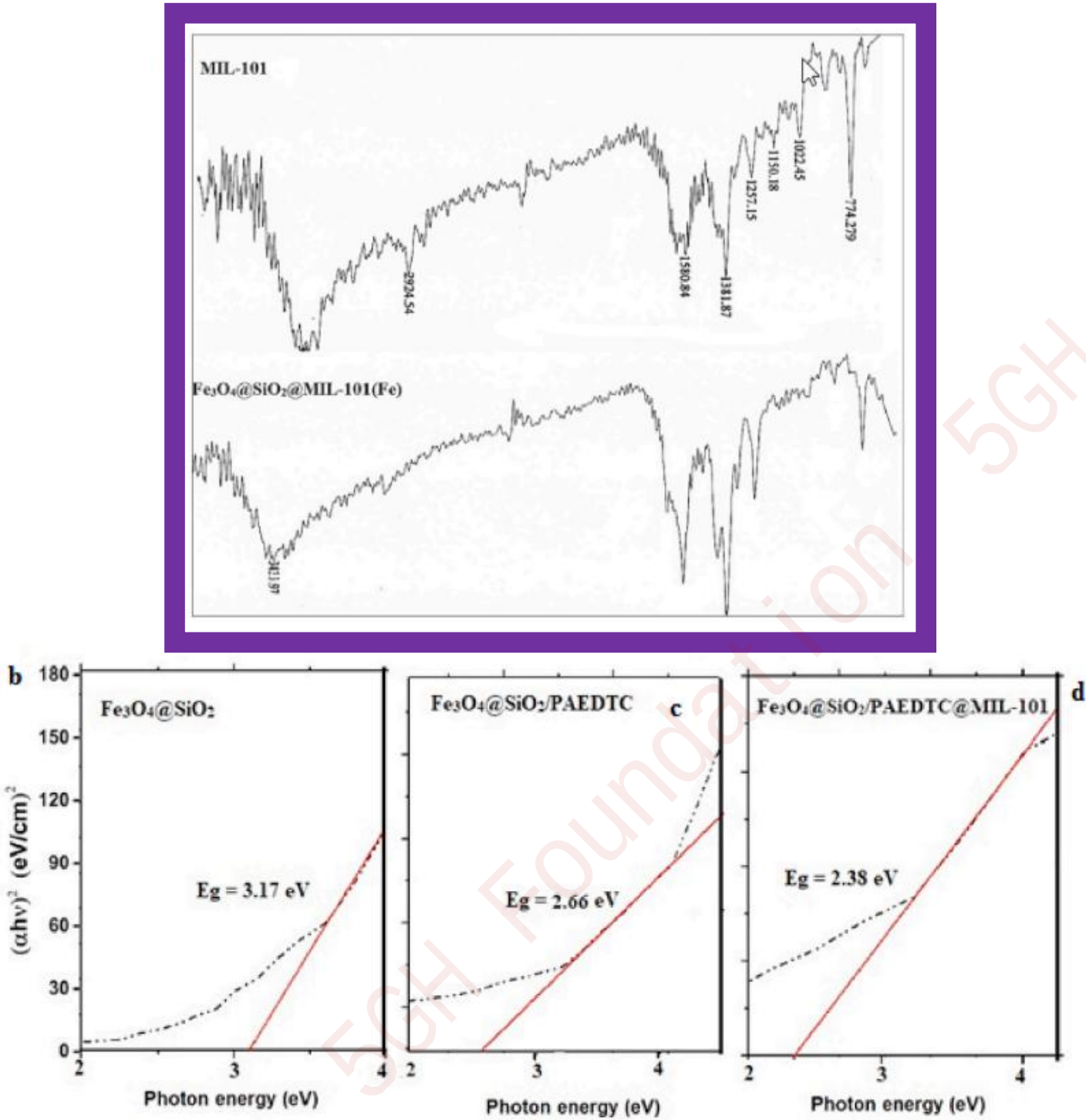


Fig. 5. (a) FTIR spectra; (b-d) Band gap energy of Fe₃O₄@SiO₂, Fe₃O₄@SiO₂/PAEDTC, and Fe₃O₄@SiO₂/PAEDTC@ MIL-101 (Fe).

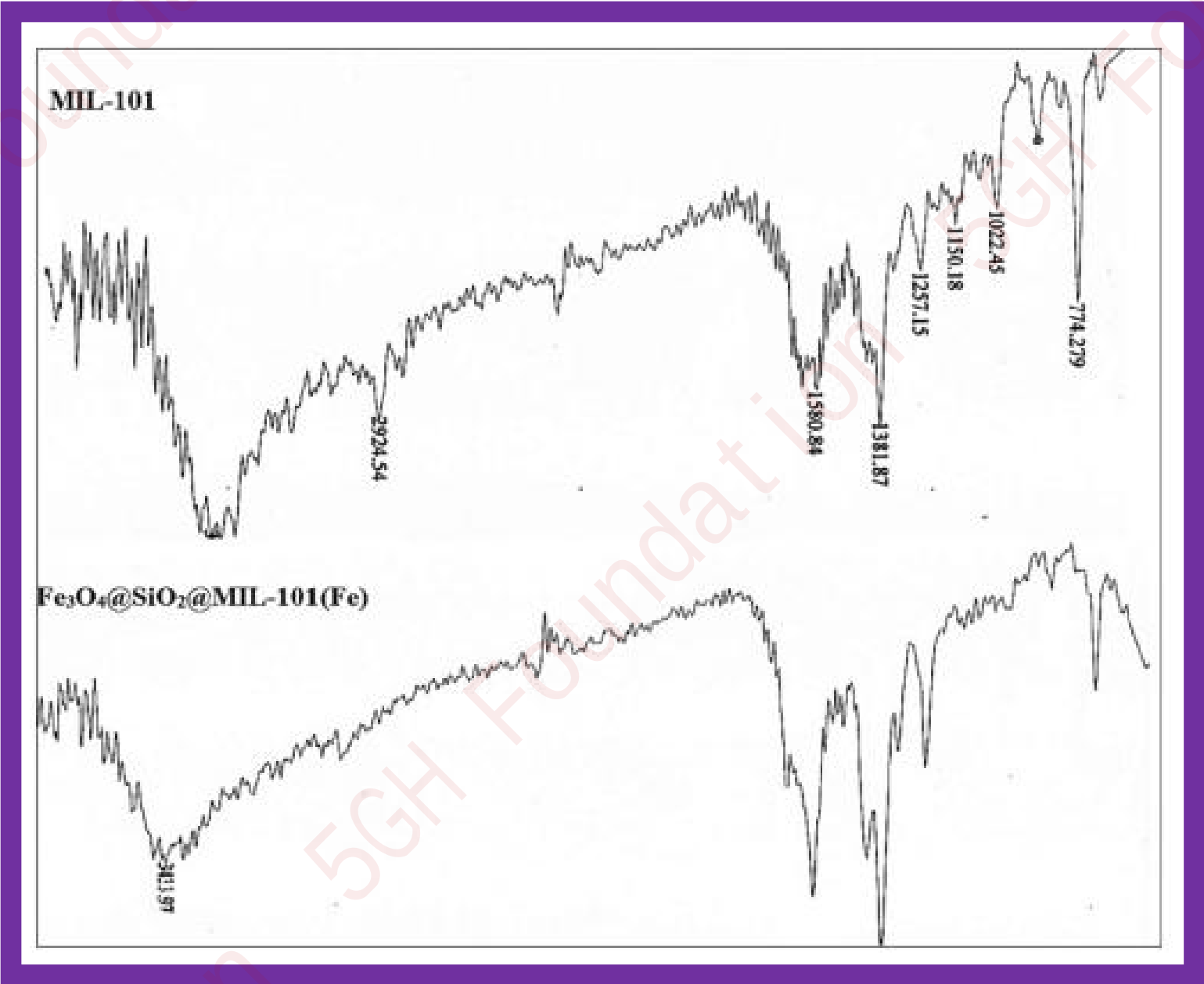


Fig. 4. FTIR spectra of MIL-101(Fe) and Fe₃O₄@SiO₂@MIL-101 (Fe).

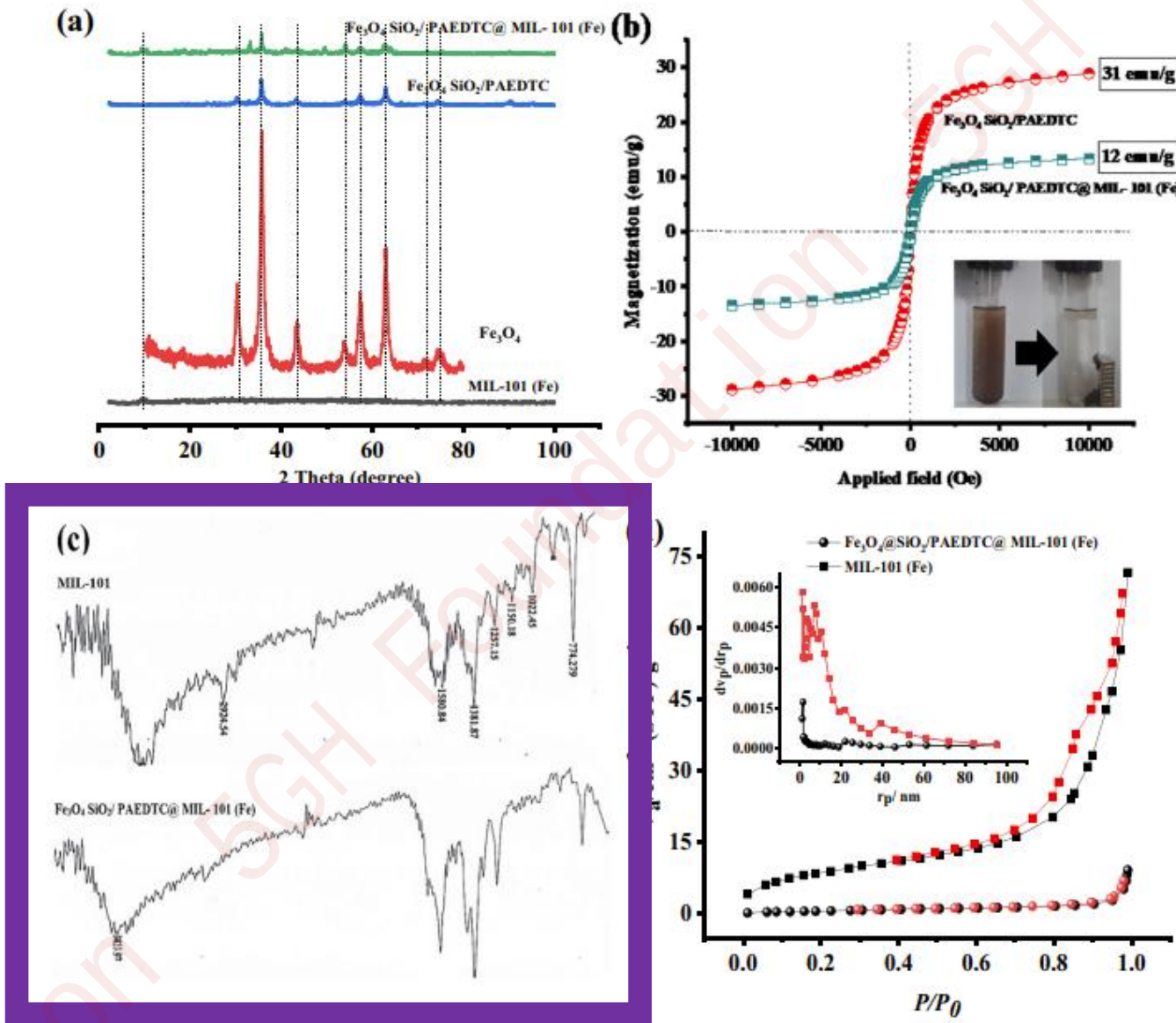


Fig. 4. XRD pattern (a), VSM curve (inset related to Fe₃O₄/SiO₂/PAEDTC@ MIL-101(Fe) magnetic properties) (b), FTIR spectra (c), and N₂ adsorption-desorption analysis of MIL-101(Fe) and Fe₃O₄@SiO₂/PAEDTC@ MIL-101(Fe) (d)

Left: 10.1016/j.envres.2023.118019
Middle: 10.1016/j.jphotochem.2023.115140
Right: 10.1007/s11356-023-29283-1

Spectra Reused

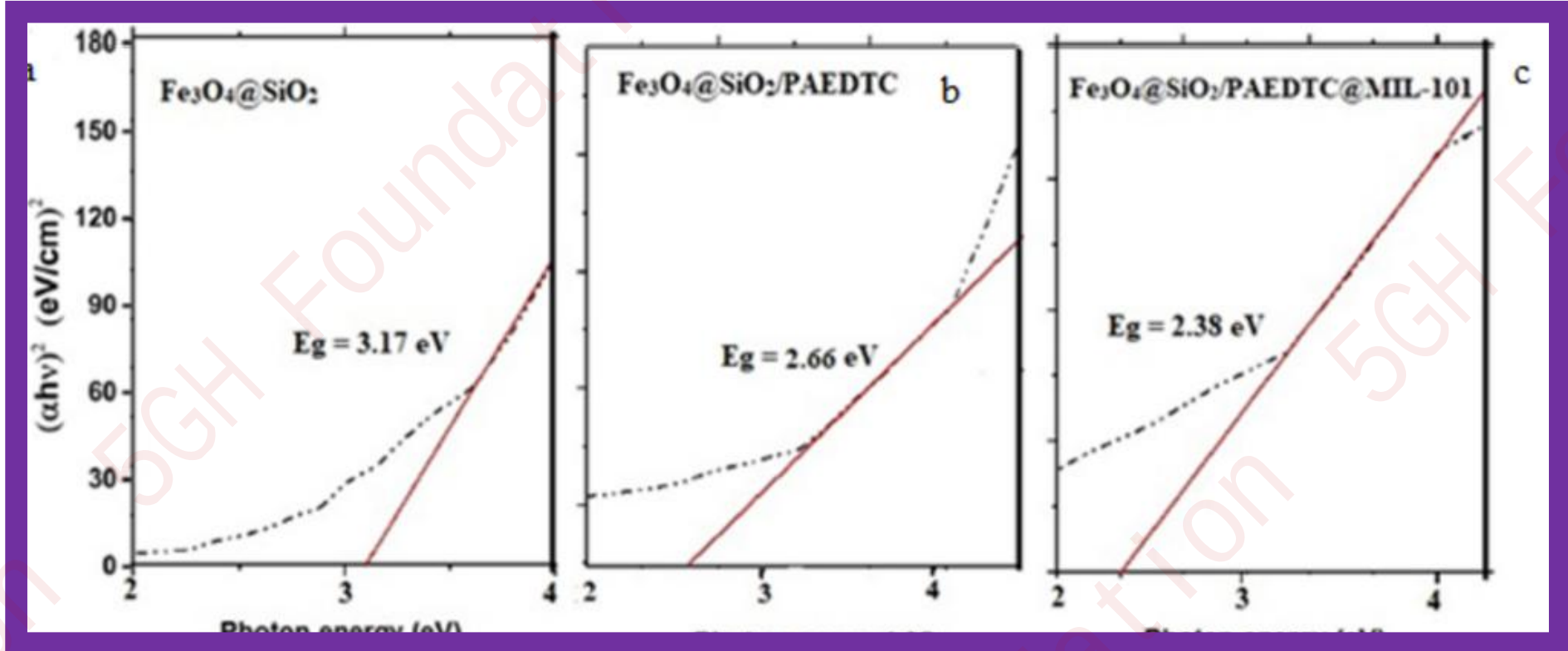
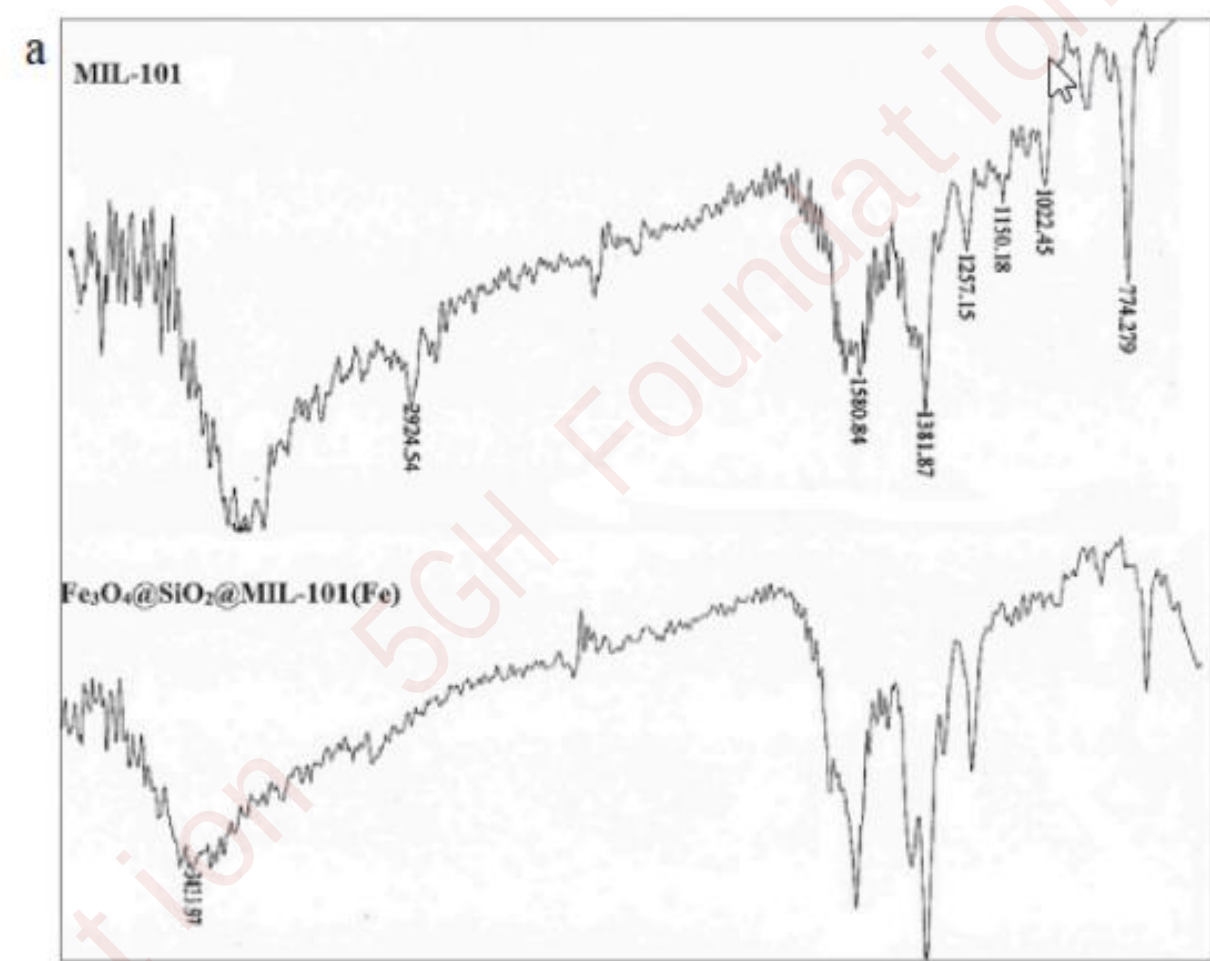


FIGURE 4 | Band gap energy of Fe₃O₄@SiO₂ (a), FSP (b), and FSPM (c).

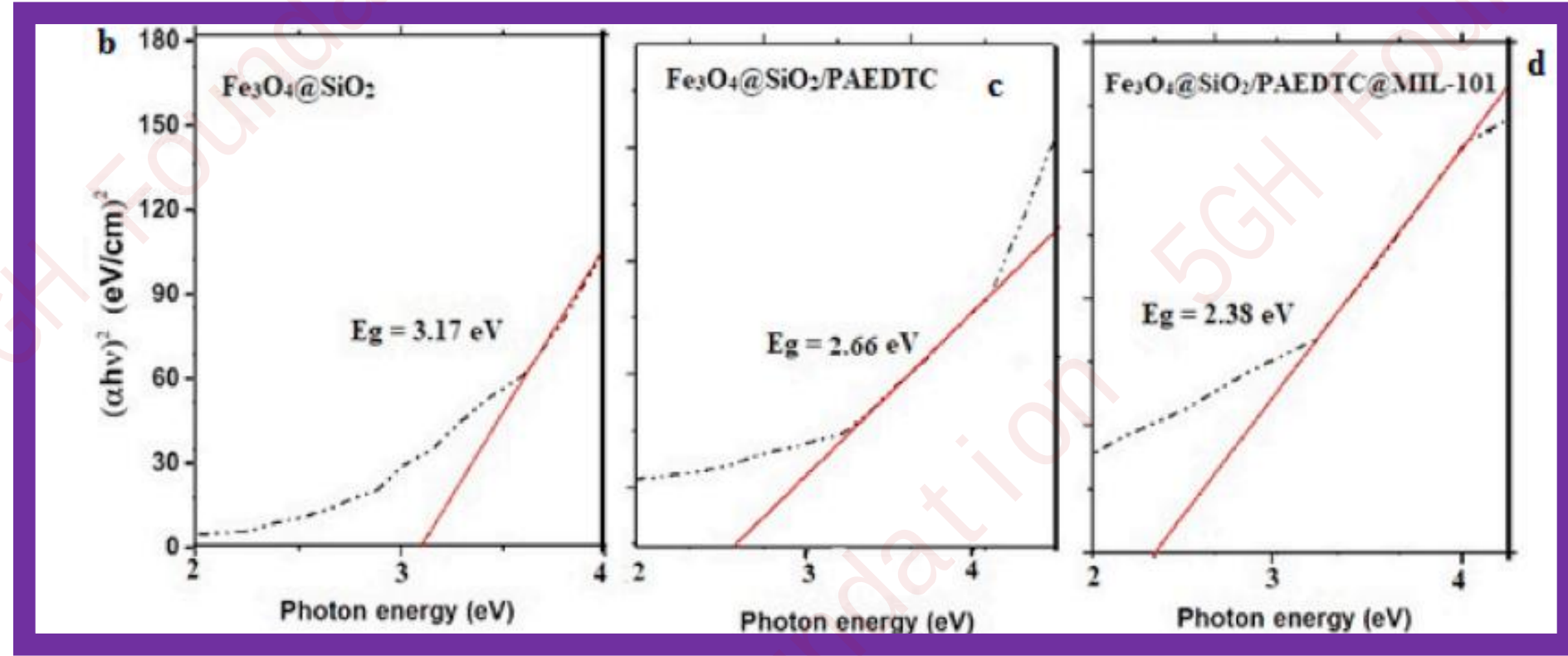


Fig. 5. (a) FTIR spectra; (b–d) Band gap energy of Fe₃O₄@SiO₂, Fe₃O₄@SiO₂/PAEDTC, and Fe₃O₄@SiO₂/PAEDTC@ MIL-101 (Fe).

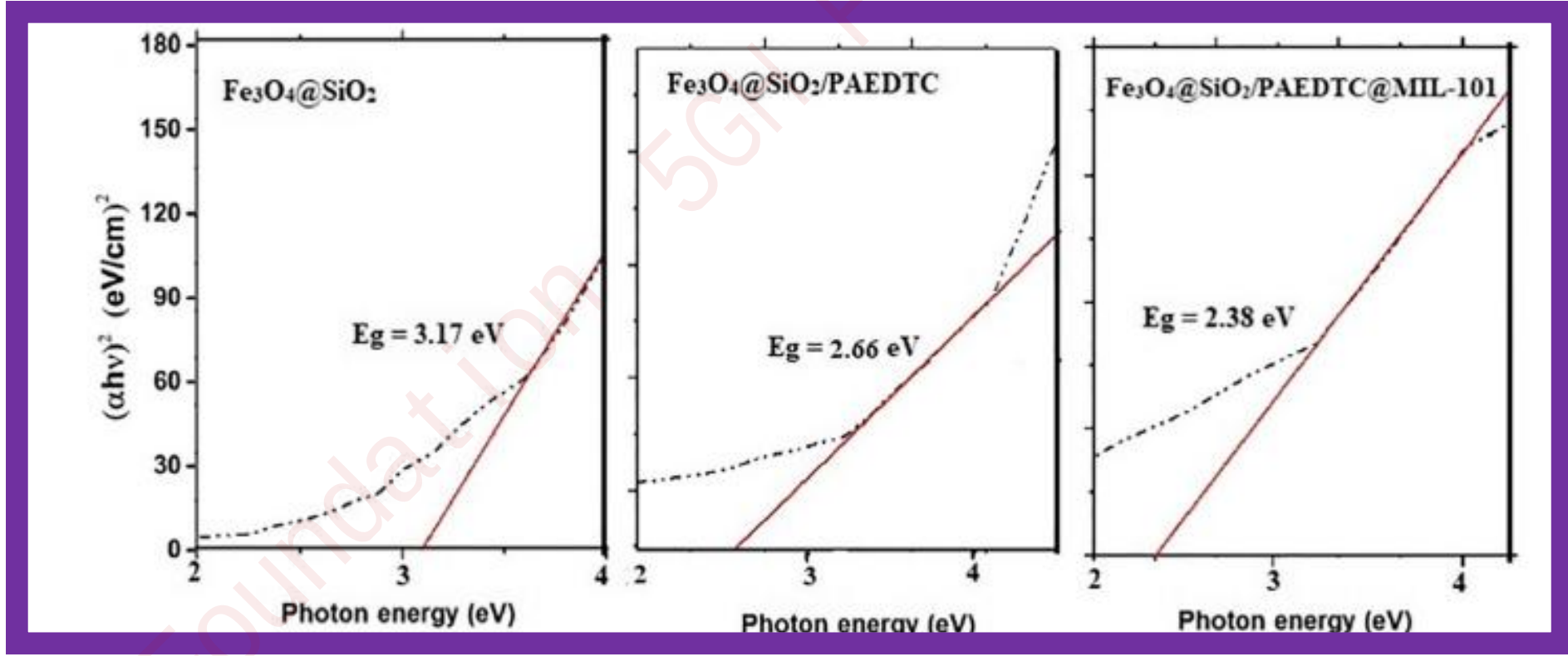


Fig. 5 Band gap energy of Fe₃O₄@SiO₂, Fe₃O₄@SiO₂/PAEDTC, and Fe₃O₄@SiO₂/PAEDTC@ MIL-101(Fe)

Left: 10.1016/j.envres.2023.118019
Upper-Right: 10.1002/aoc.7961
Lower-Right: 10.1007/s11356-023-29283-1

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Fig. 3 XRD patterns of RuO₂-TiO₂ coated on Ti substrate

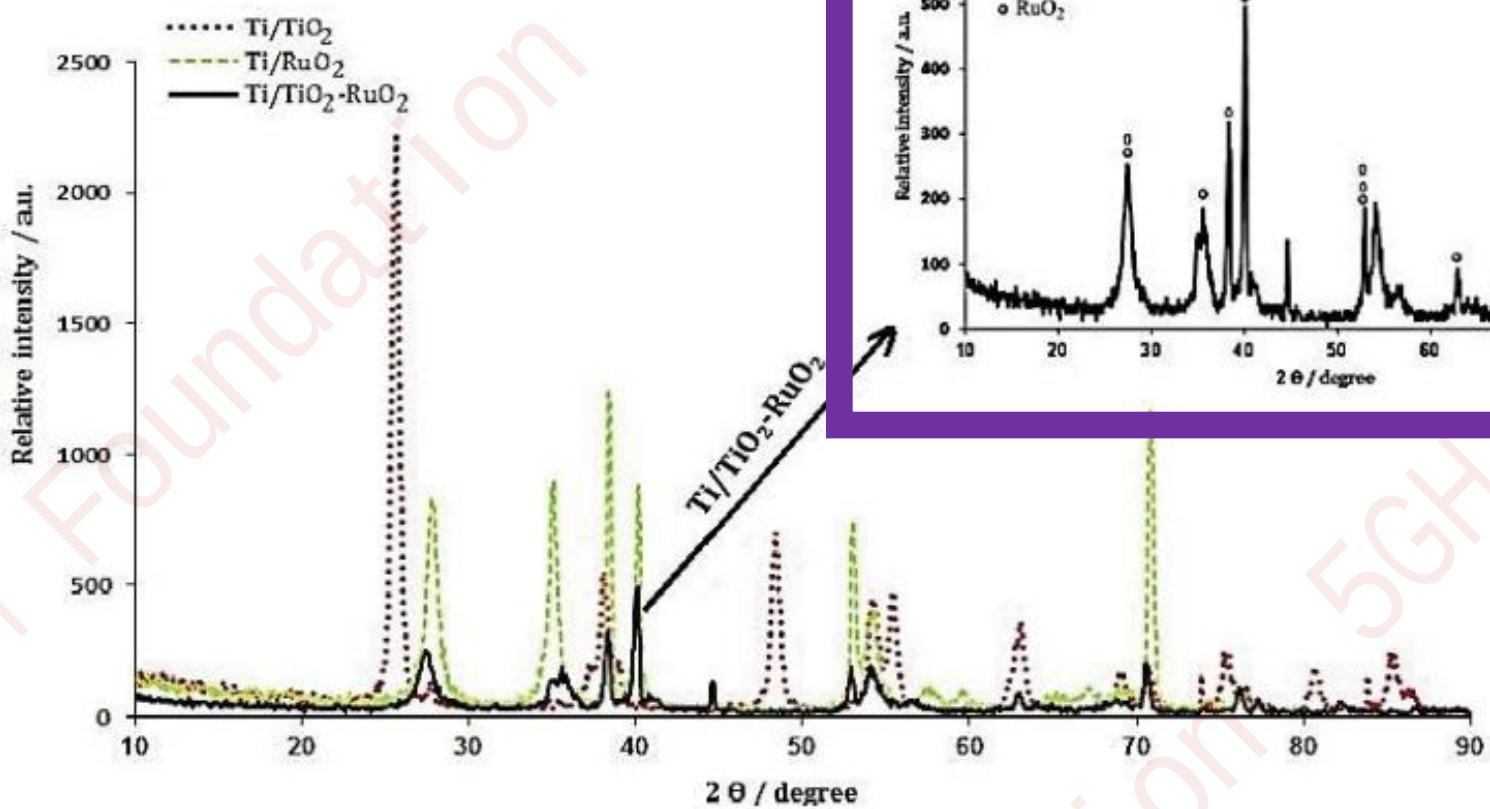
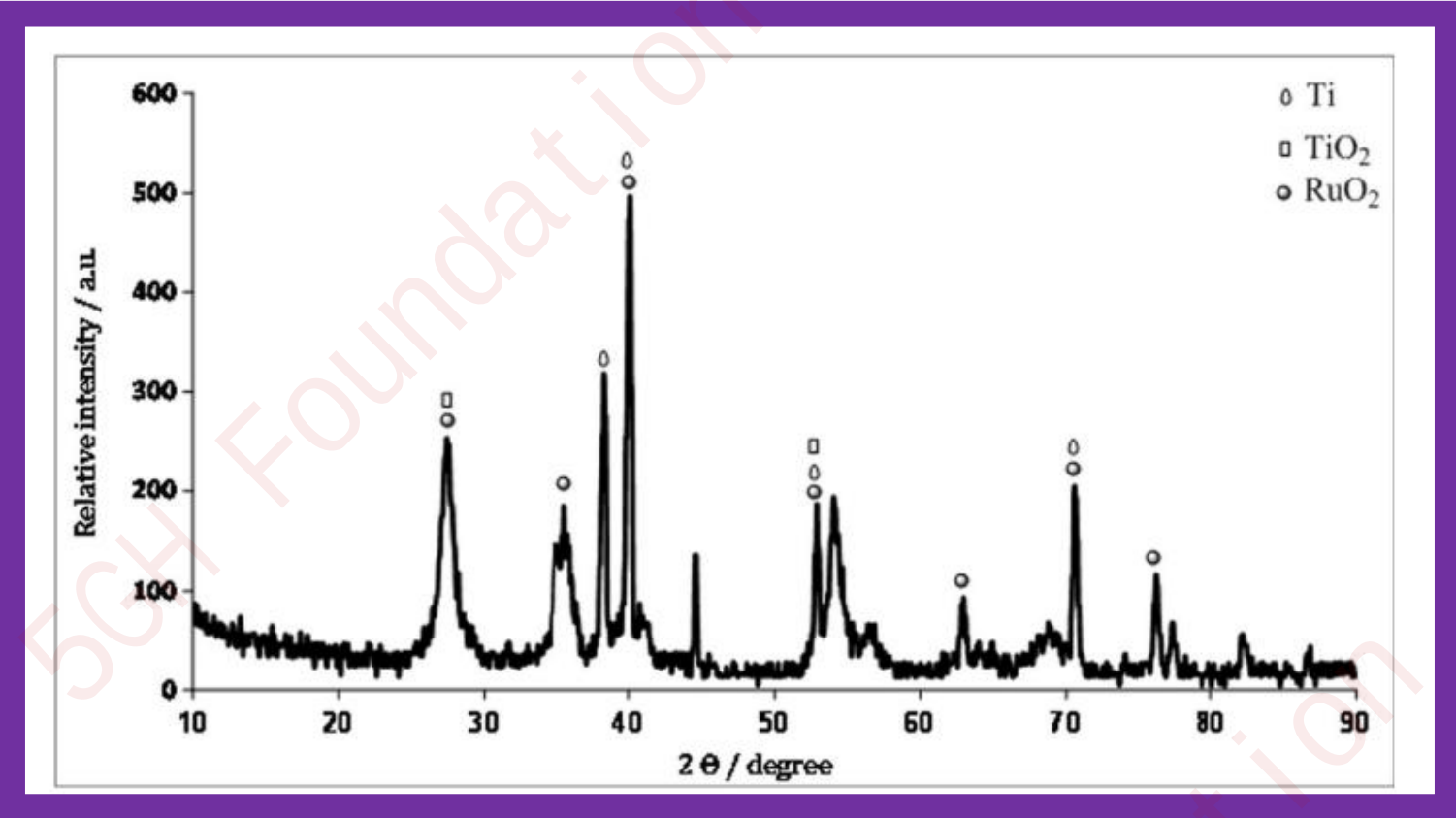


Fig. 2. XRD patterns of Ti/TiO₂ (a), Ti/RuO₂ (b), and Ti/TiO₂-RuO₂ (c) electrodes.

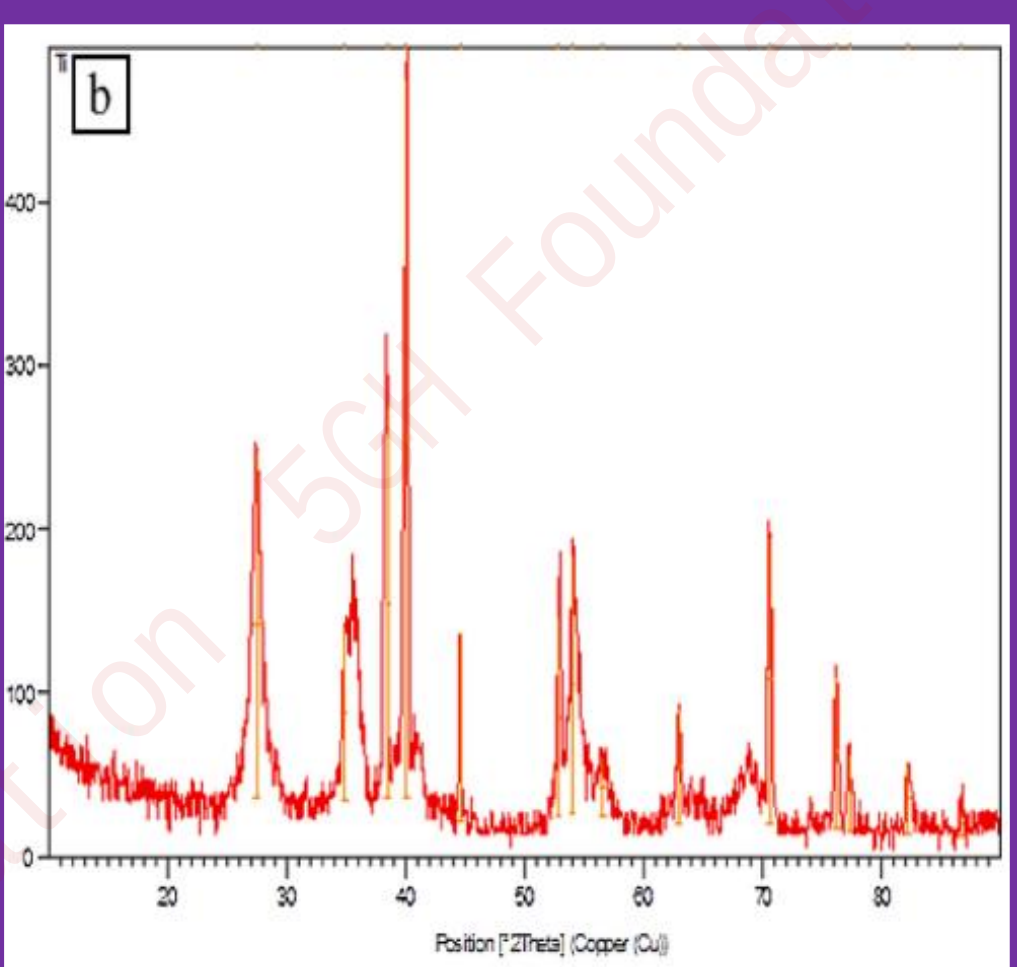
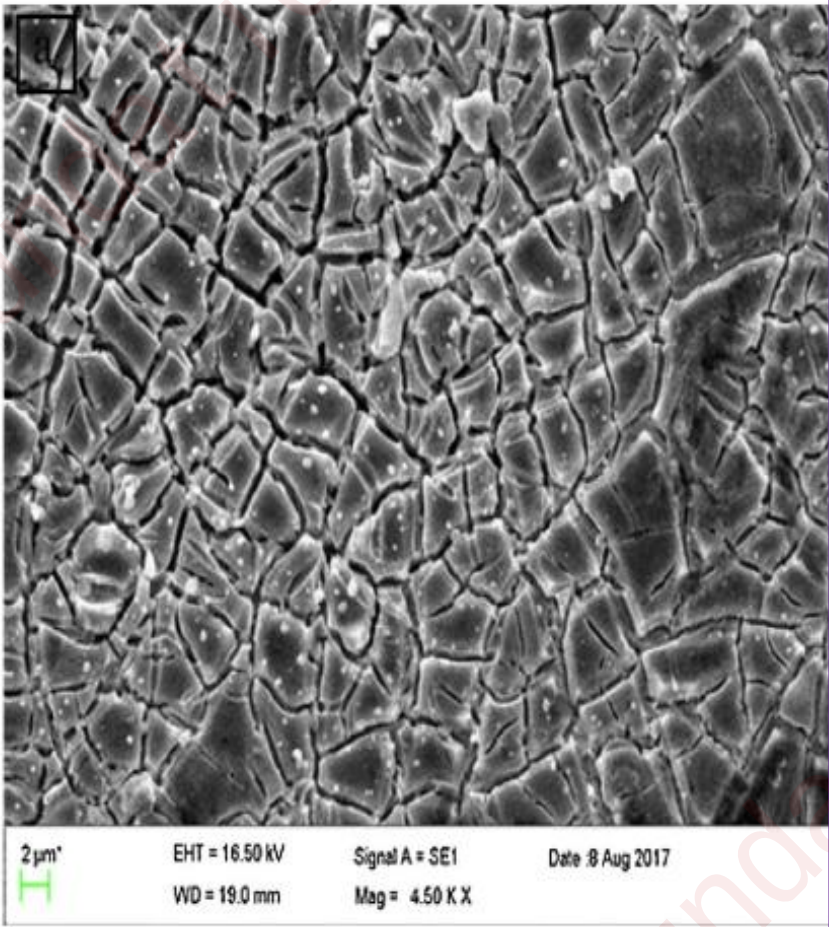


Fig. 2. SEM image (a) and XRD pattern (b) of the Ti/TiO₂-RuO₂ electrode.

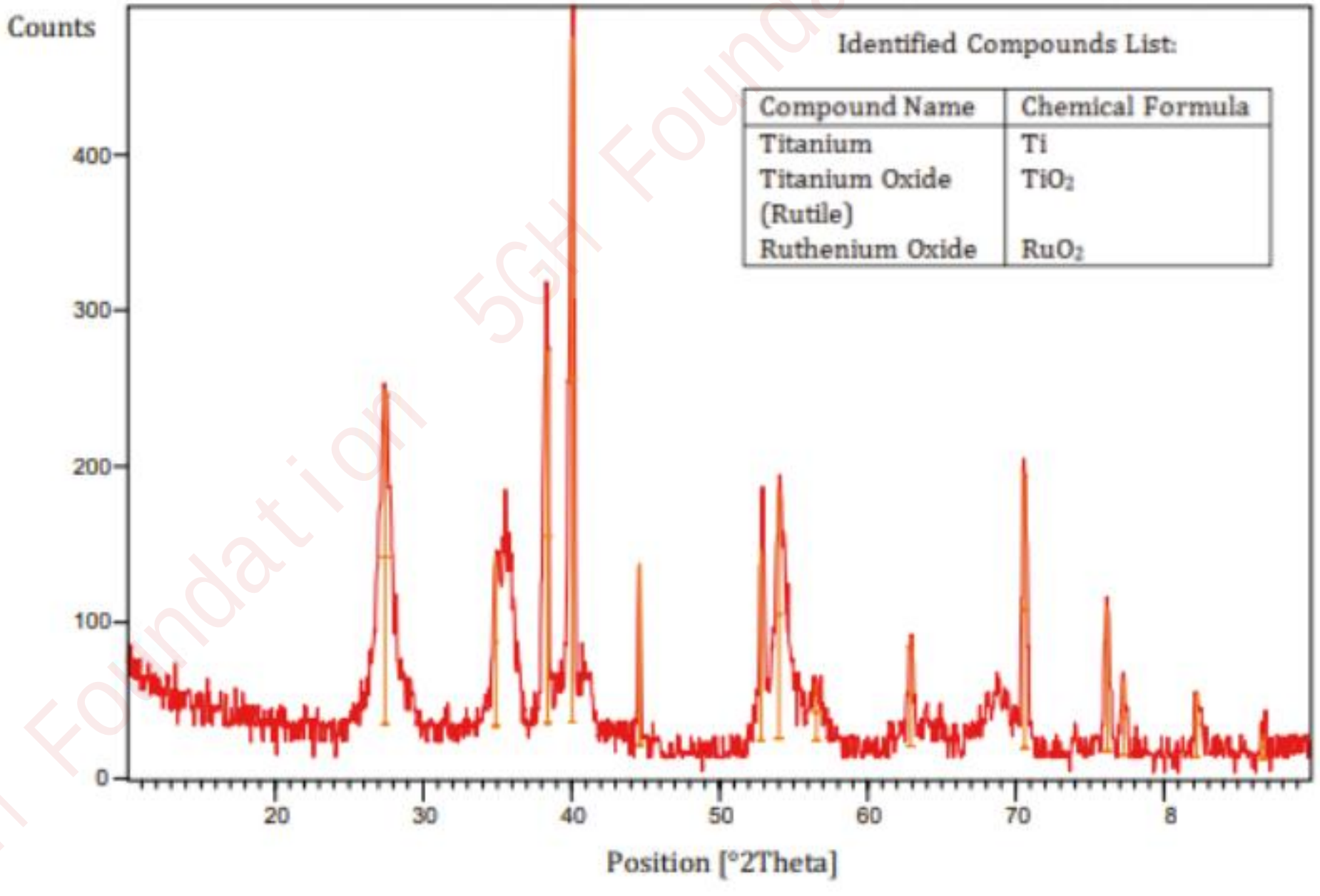


Fig. 5. X-ray diffraction analysis of Ti/TiO₂-RuO₂.

Upper-Left: 10.1007/s11356-018-2527-8
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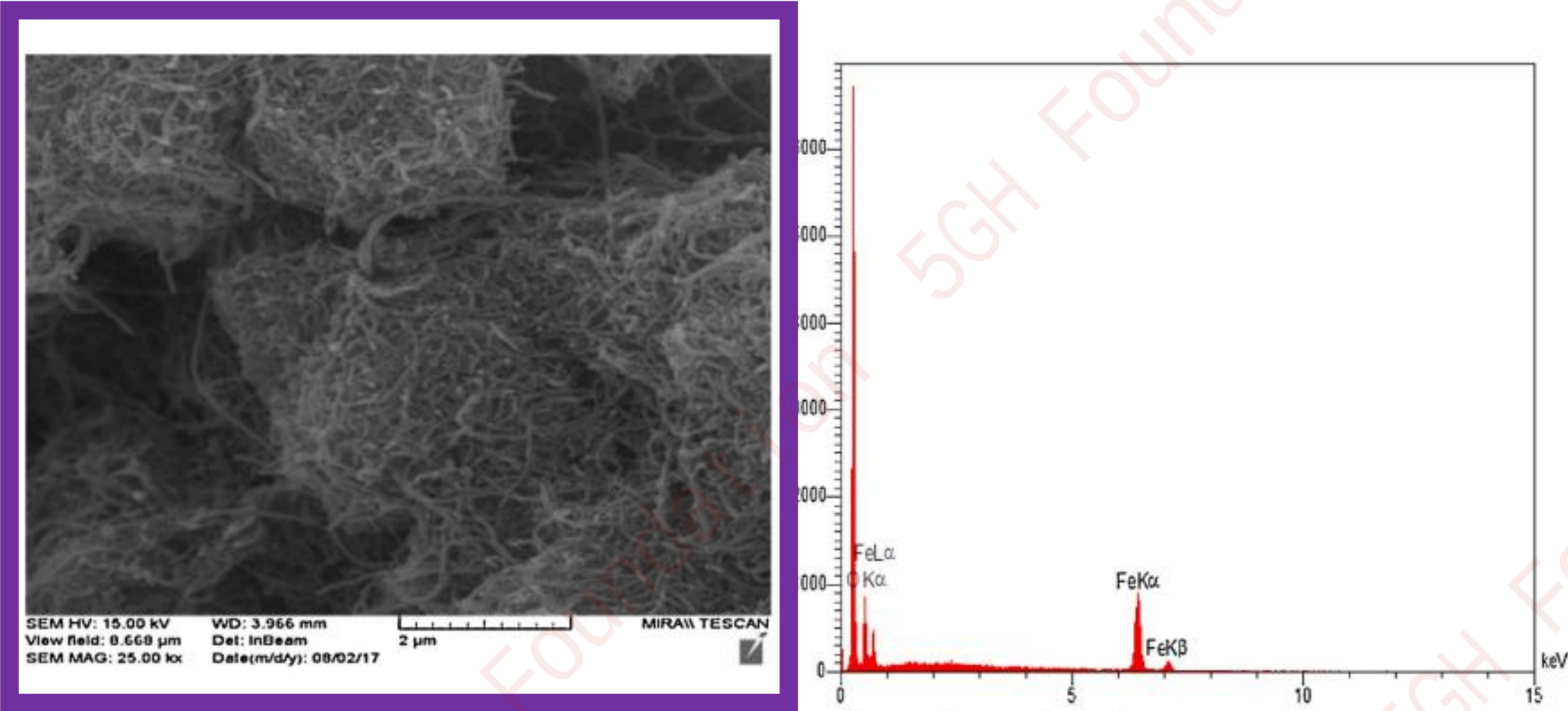


Fig. 4. SEM-EDS image of the prepared MWCNTs/Fe₃O₄ nanocomposite.

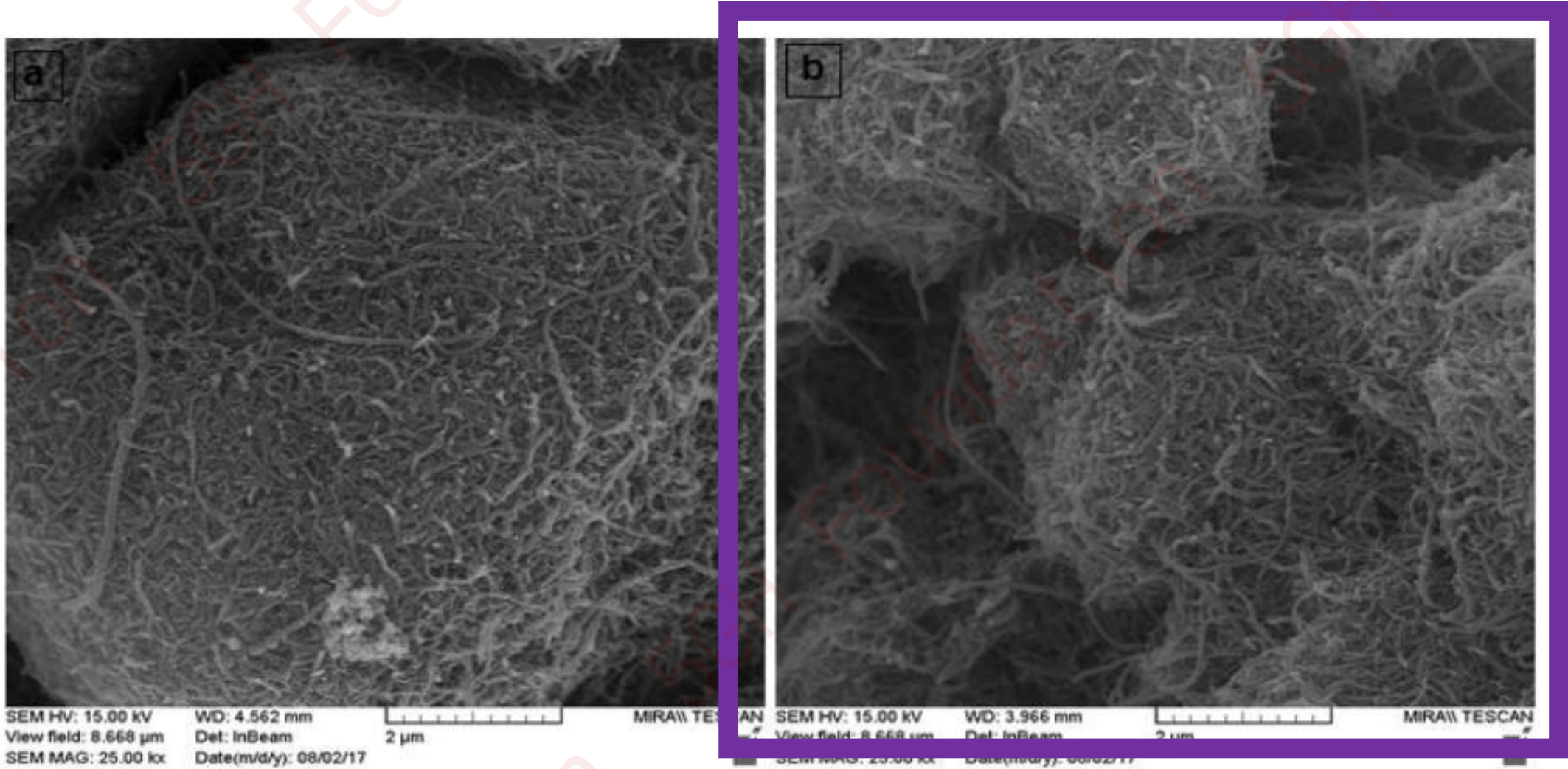


Fig. 2. SEM micrographs of MWCNTs before (a) and after acid functionalization (b).

Questionable Spectra

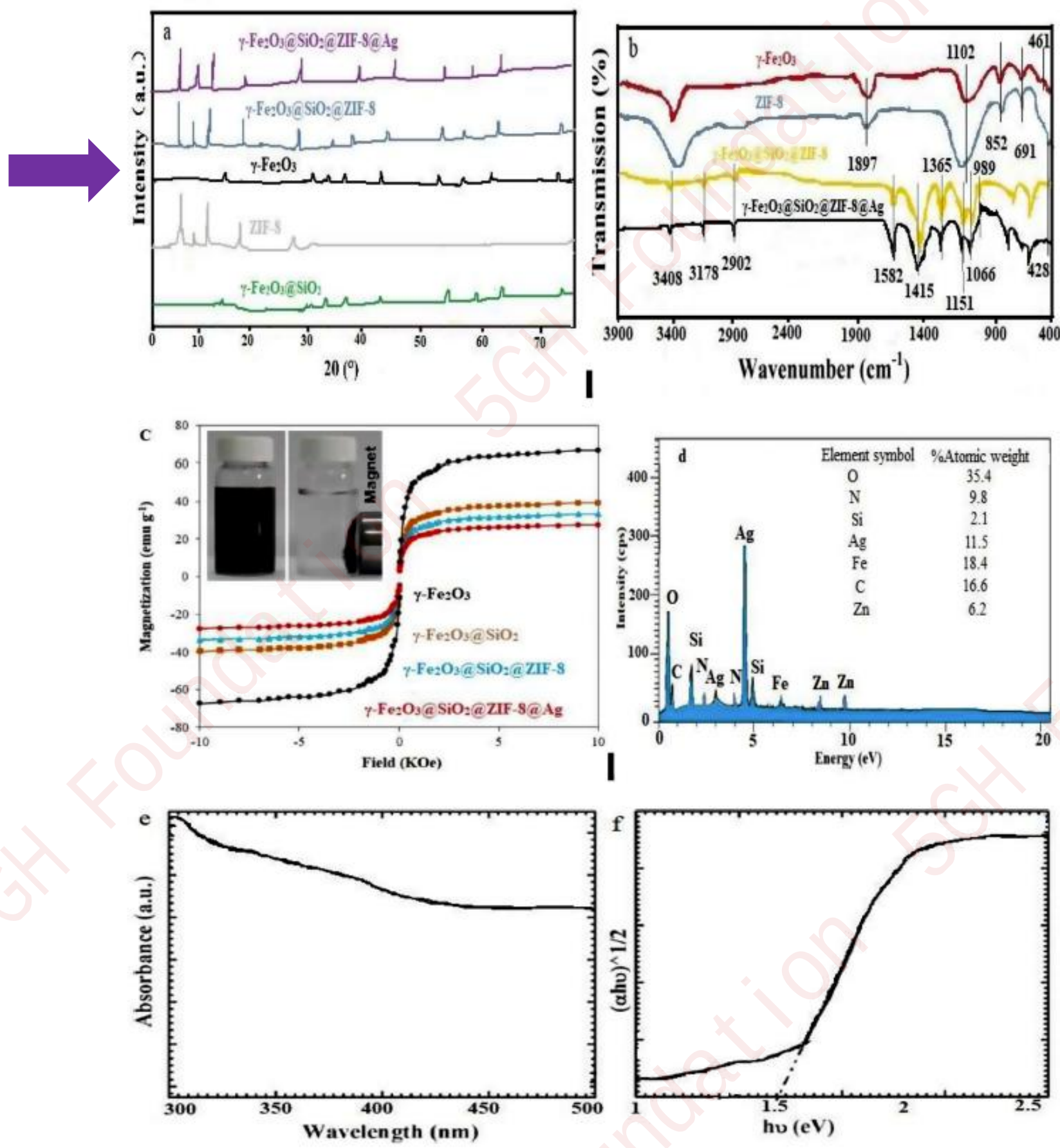


Fig. 2 XRD spectrum pattern (a); FTIR spectrum (b); Curve related to the magnetic properties of nanoparticles (γ -Fe₂O₃, γ -Fe₂O₃@SiO₂, γ -Fe₂O₃@SiO₂@ZIF8, and γ -Fe₂O₃@SiO₂@ZIF8@Ag) (c); EDX analysis of γ -Fe₂O₃@SiO₂@ZIF8@Ag (d); UV-Vis DRS spectra of γ -Fe₂O₃@SiO₂@ZIF8@Ag (e); Band-gap value (Eg) for the of γ -Fe₂O₃@SiO₂@ZIF8@Ag (f)

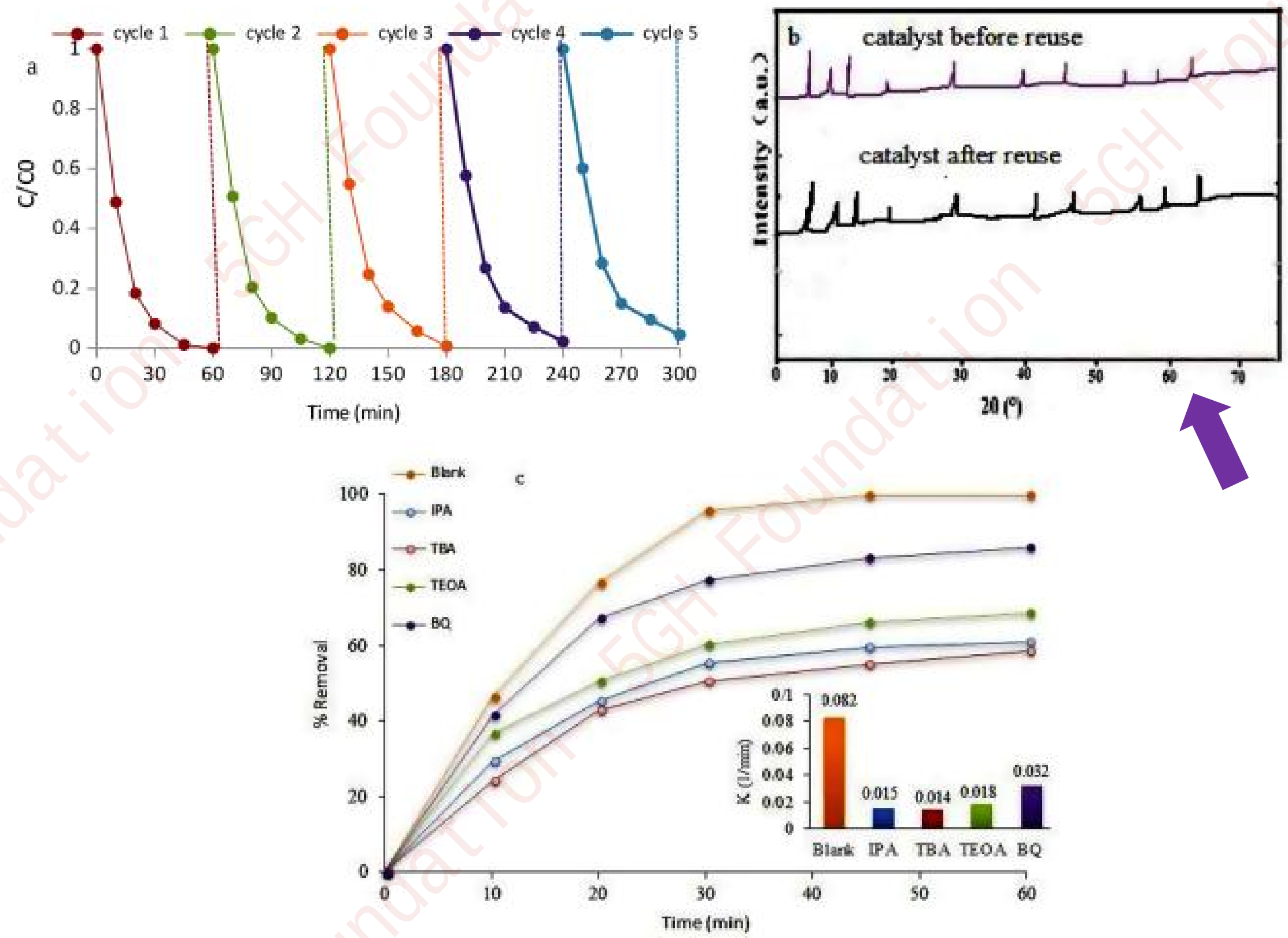
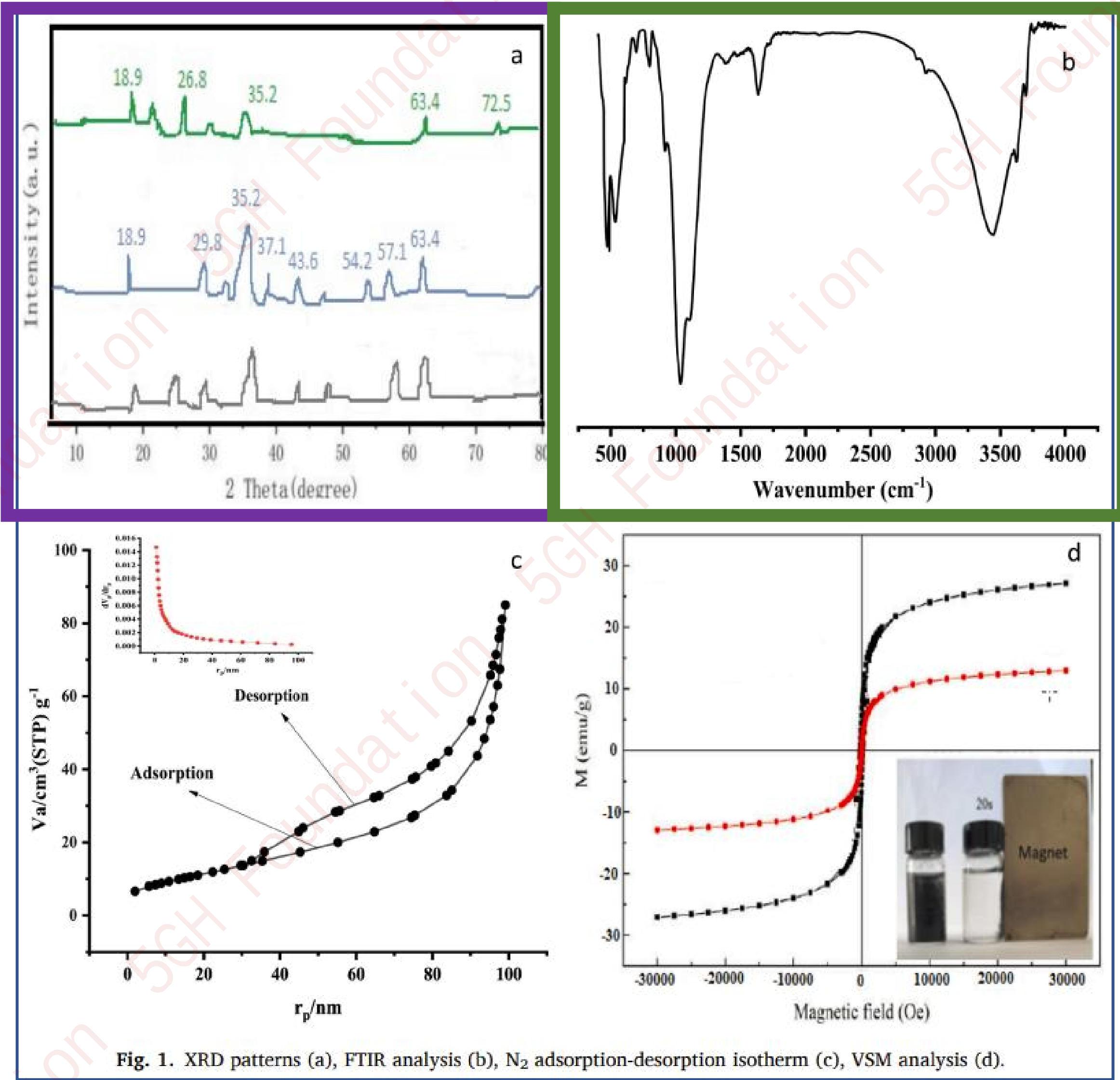
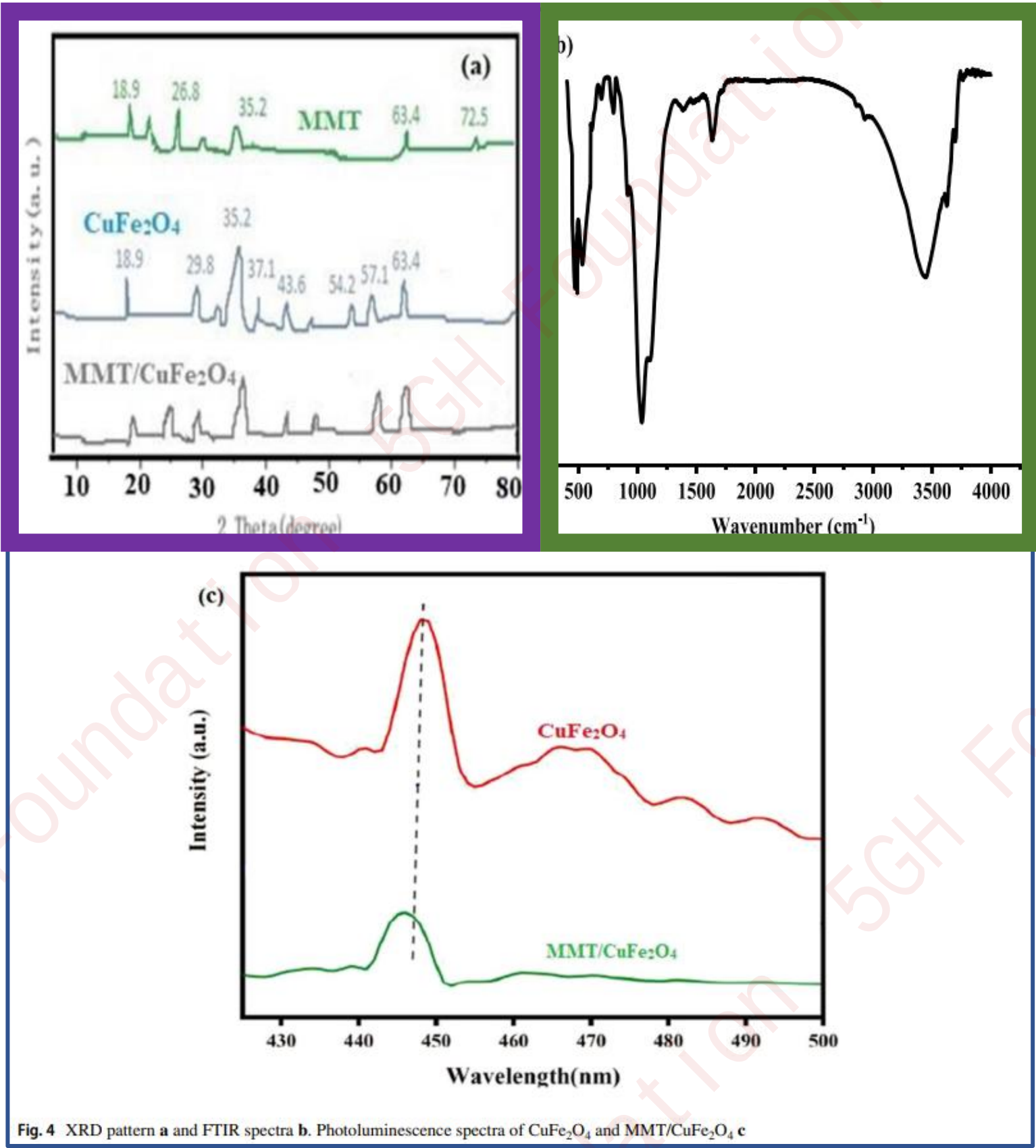


Fig. 6 Semiconductor reusability in the cycle of successive reactions (a); XRD before and after by γ -Fe₂O₃@ SiO₂@ZIF8@Ag reuse (b); The effect of different scavengers on the rate of NOR removal under the photocatalysis system (the inset of figure shows the kinetic rate for different scavengers) (c)

Questionable Spectra Reused



Left: 10.1007/s11356-023-27277-7
Right: 10.1016/j.colcom.2021.100532

Questionable Spectra

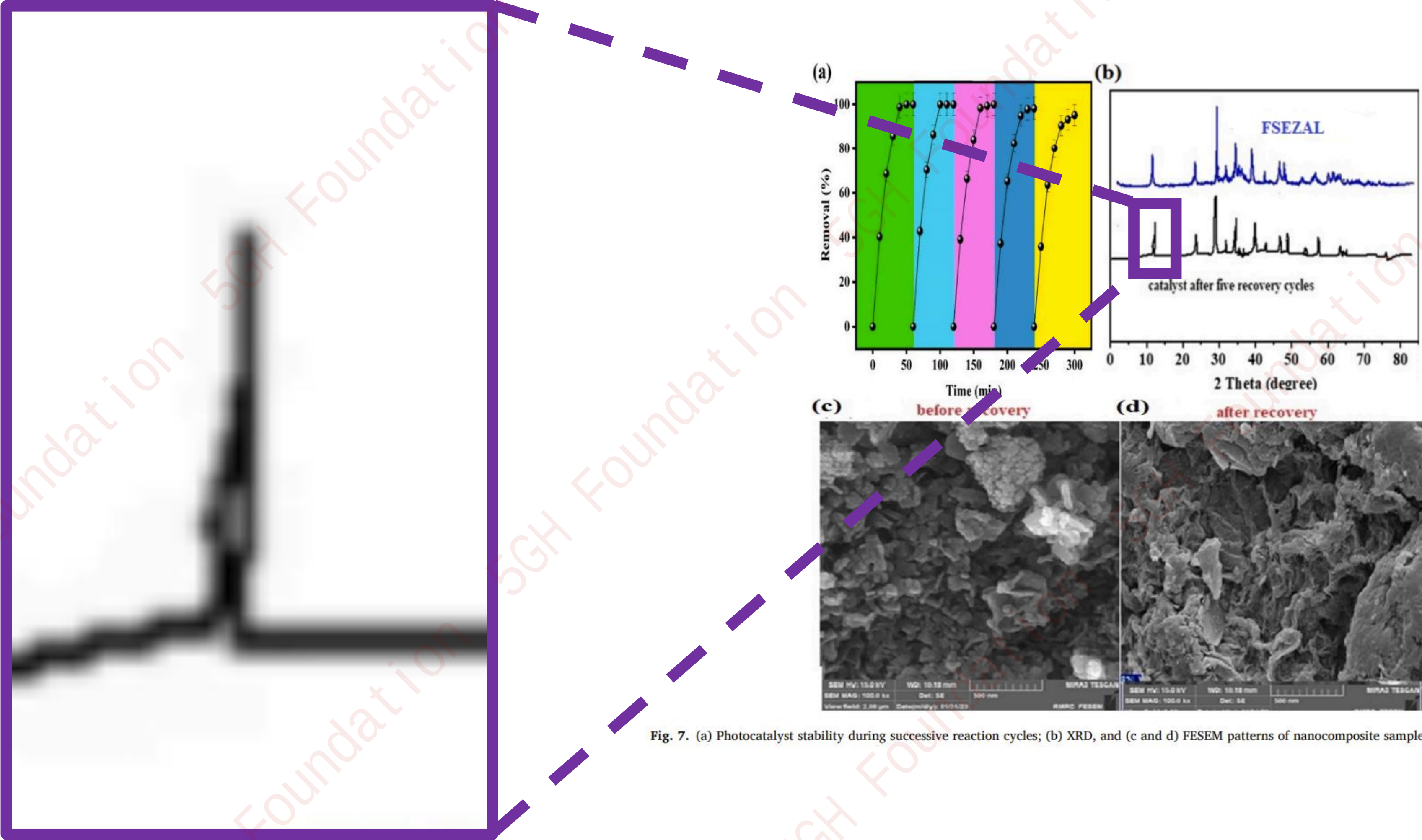


Fig. 7. (a) Photocatalyst stability during successive reaction cycles; (b) XRD, and (c and d) FESEM patterns of nanocomposite samples before and after recovery.

Questionable Spectra

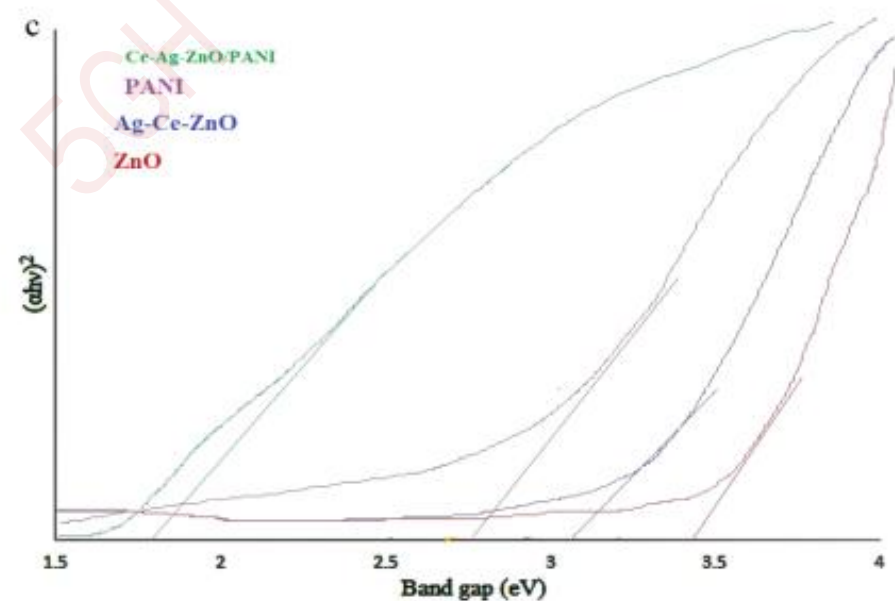
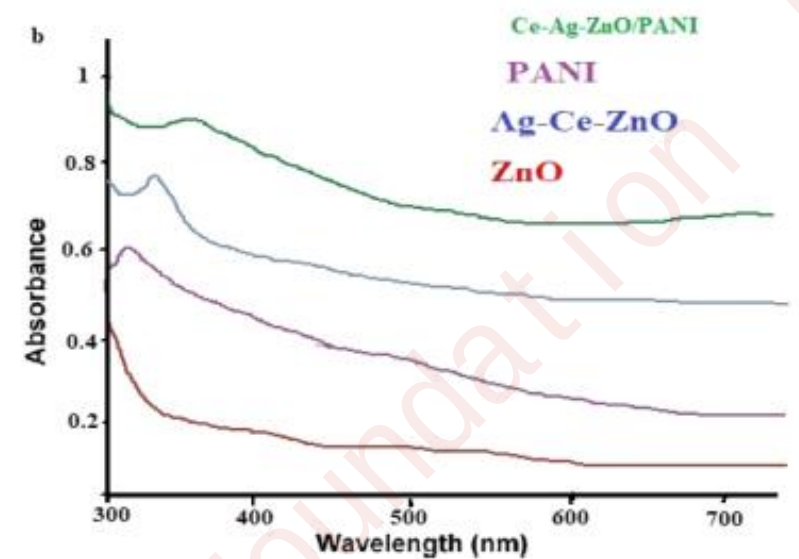
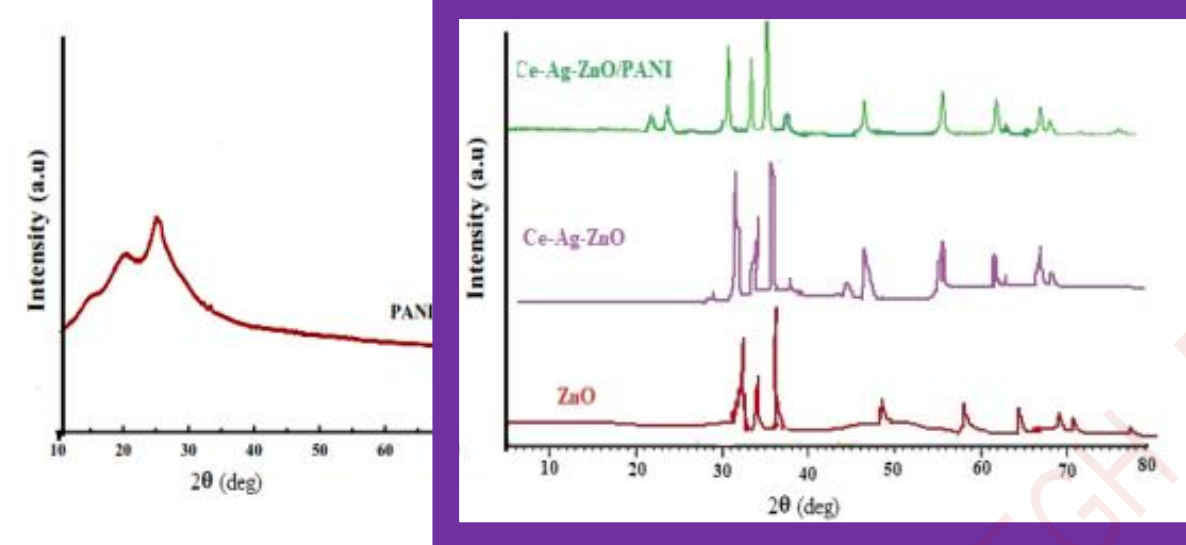


Fig. 2. (a) XRD patterns of ZnO, Ce-Ag-ZnO, and Ce-Ag-ZnO/PANI; (b) Diffuse reflectance UV-vis spectra; (c) Tauc plot based on the Kubelka-Munk function to estimate the band gap energy.

