

Fig. S1. The SEM micrographs of nanofibres with different volume ratios of PVA/CS: a) PC-1 (9:1); b) PC-2 (8:2); c) PC-3 (7:3) and d) PC-4 (6:4).

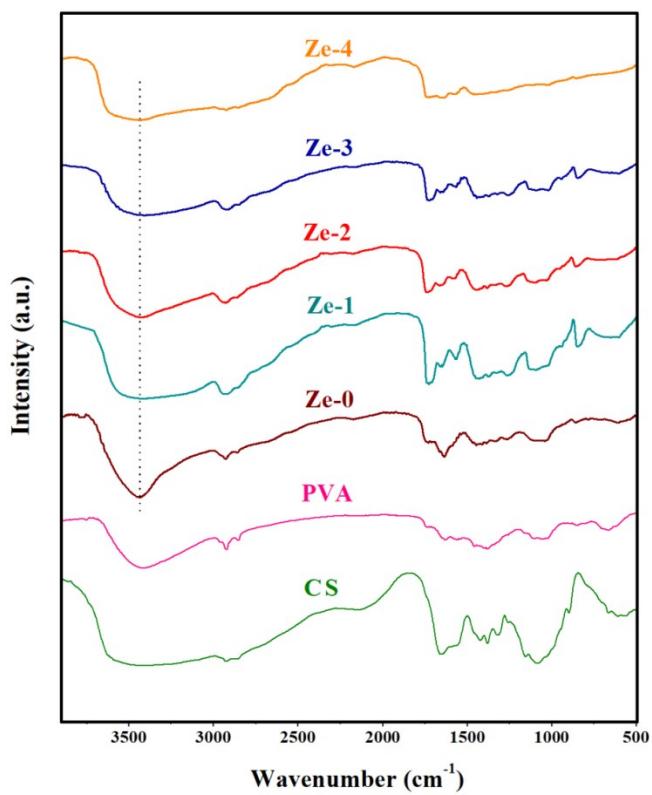


Fig. S2. The FTIR spectra of pure CS and PVA, and its zeolite-A nanofibrous composite membranes.

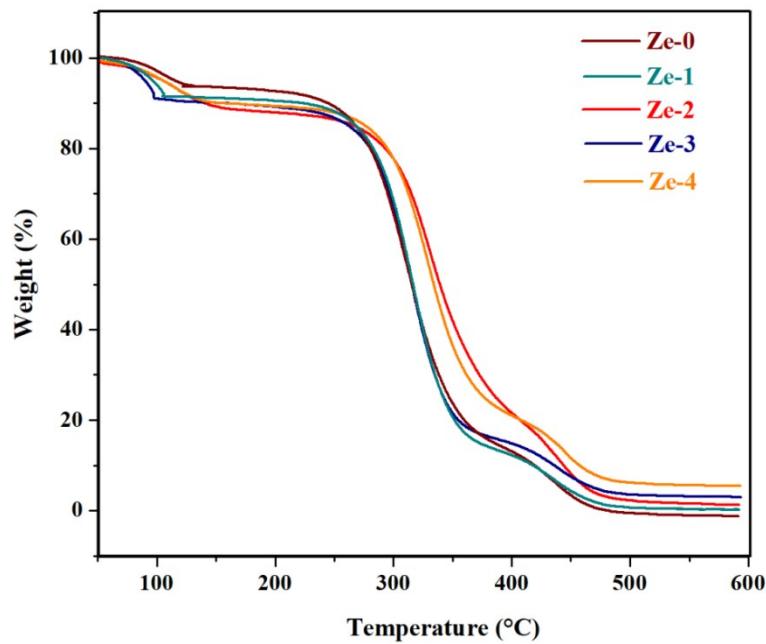


Fig. S3. The TGA thermograms of composite nanofibrous membranes: Ze-0, Ze-1, Ze-2, Ze-3 and Ze-4.

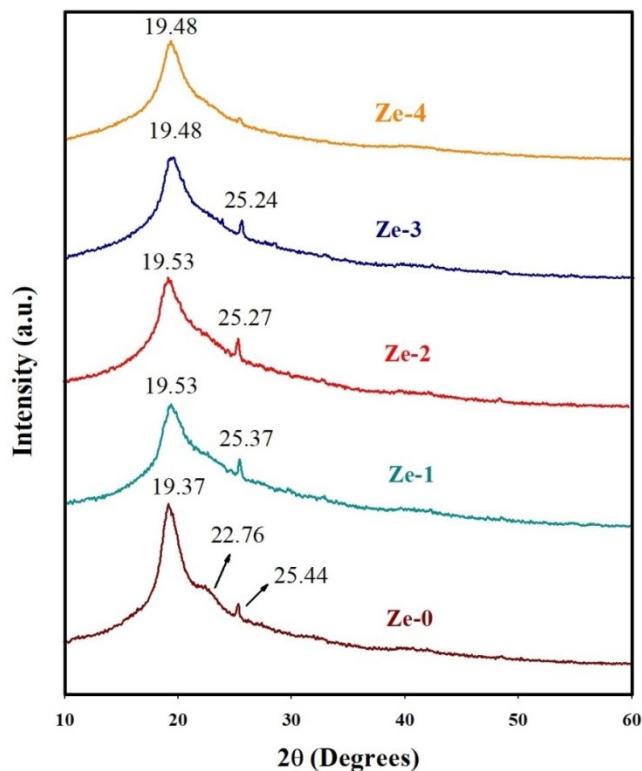


Fig.S4. The WAXD patterns of nanofibrous composite membranes: Ze-0, Ze-1, Ze-2, Ze-3 and Ze-4.

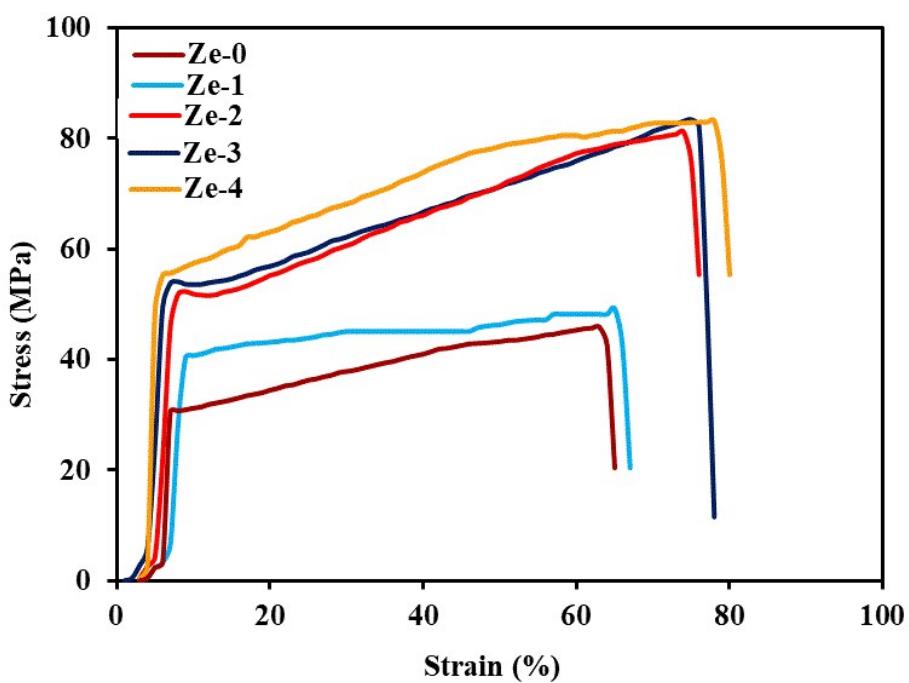


Fig. S5. The stress-strain curves of the composite nanofibrous membranes.

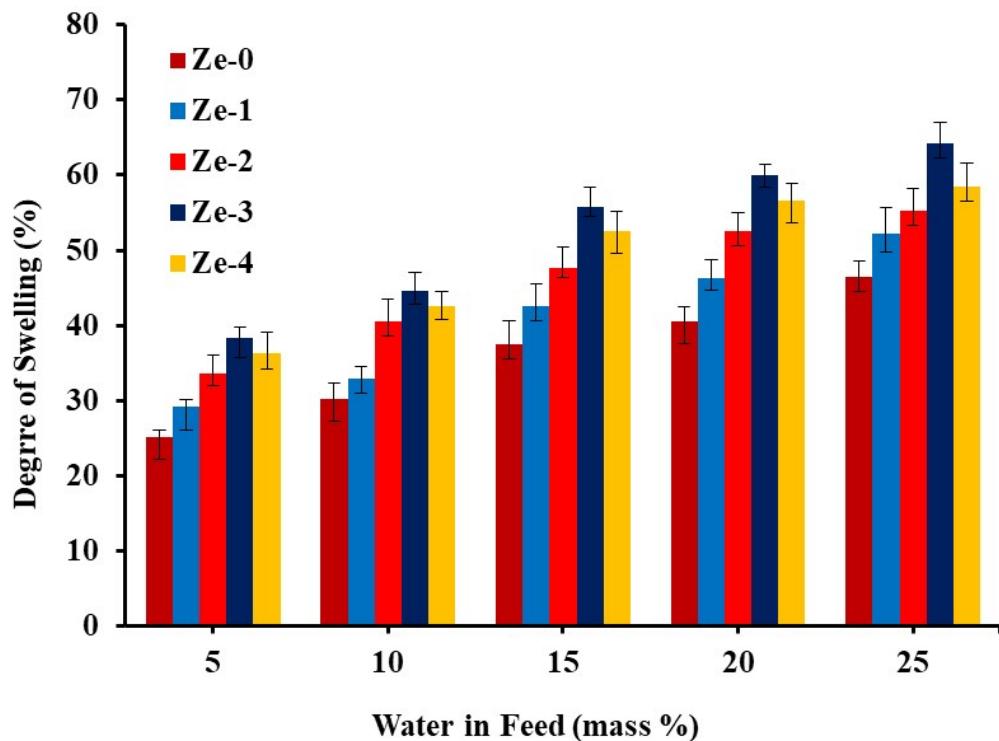


Fig. S6. The degree of swelling for PVA/CS and zeolite-A incorporated composite nanofibrous membranes in different mass% of water in the feed.

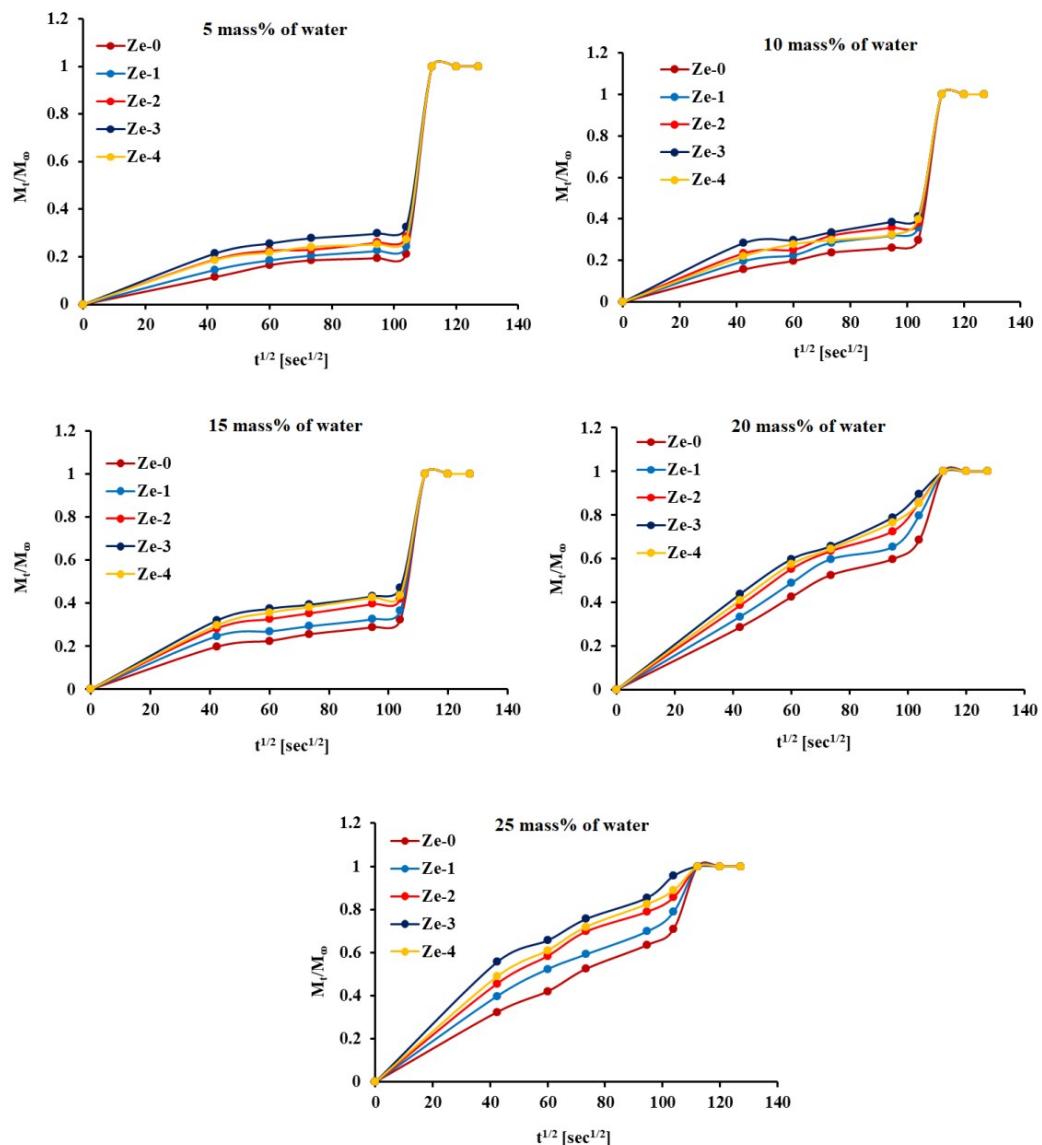


Fig. S7. The sorption curves of composite nanofibrous membranes.