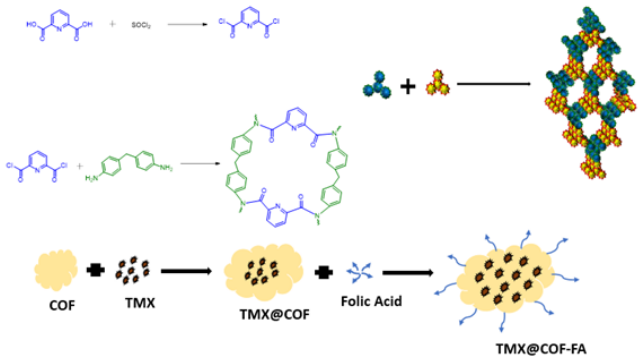


Fig. S1. Schematic representation of the structure of COF and surface modification of COF with tamoxifen and folic acid.

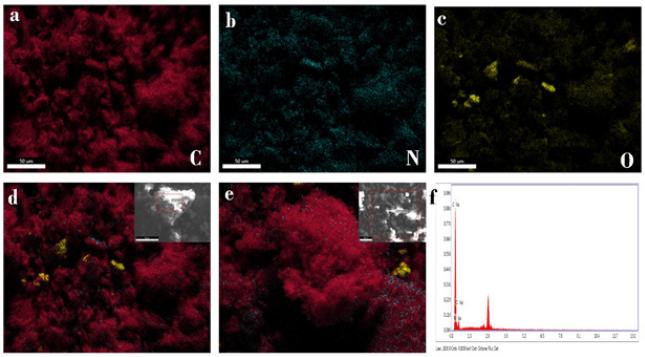


Fig. S2. Elemental mapping of a) Carbon (Red), b) Nitrogen (Blue), c) Oxygen (Yellow), d, e) TMX@COF-FA (inlet shows the selected area) and f) EDX spectra of TMX@COF-FA.

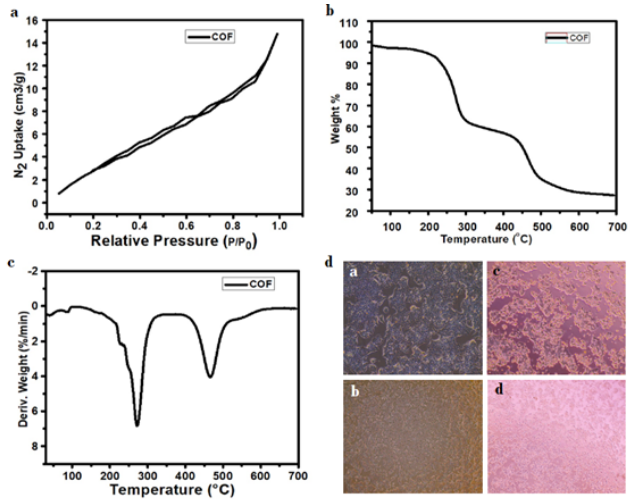


Fig. S3. N_2 adsorption/desorption isotherm curves of the synthesized COF, b) TGA spectra of synthesized COF, c) DSC spectrum of COF, d) phase contrast images microscopic images of MCF-7 breast cancer cells before (a, c) and after (b, d)treatment with 50 µg/mL of TMX@COF-FA.

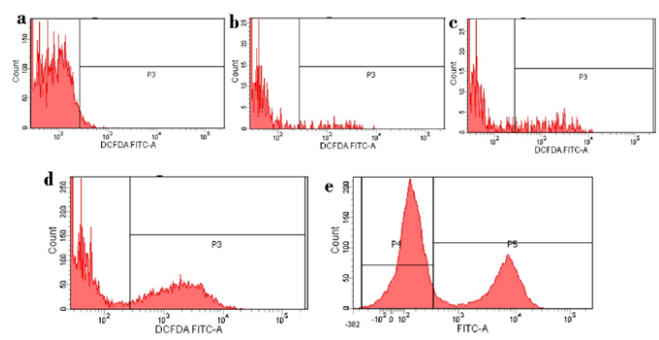


Fig. S4. Flow Cytometry histogram of a) untreated cells b) COF c) Tamoxifen d) TMX@COF and e) TMX@COF-FA in MCF-7 human breast cancer cells.

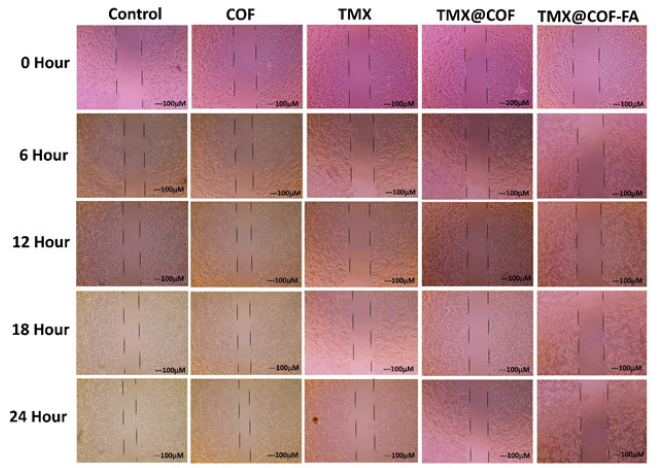


Fig. S5. Phase Contrast Microscopic images of Anti-migration effect of COF, Tamoxifen, TMX@COF and TMX@COF-FA in MCF-7 cells compared to untreated cells.

Table S1. List of primers used in qRT-PCR.

Primer Name	Primer Sequence
Caspase-8 F	ACACAGTCGAGTAGACTCTCAAA
Caspase-8 R	AGGAAGTGATGCTCGTTCAGA
Bax F	TCCAGGATCGAGCAGGGCGAA
Bax R	CGATGCGCTTGAGACACTCGCT
Bcl2 F	GAACTGGGGGAGGATTGTGG
Bcl2 R	TTCACTTGTGGCCCAGATAGG