

Supporting Information
for
Antibiotics removal using membrane bioreactor by metal-organic framework
and 2D nanomaterials based polyetherimide mixed matrix membranes

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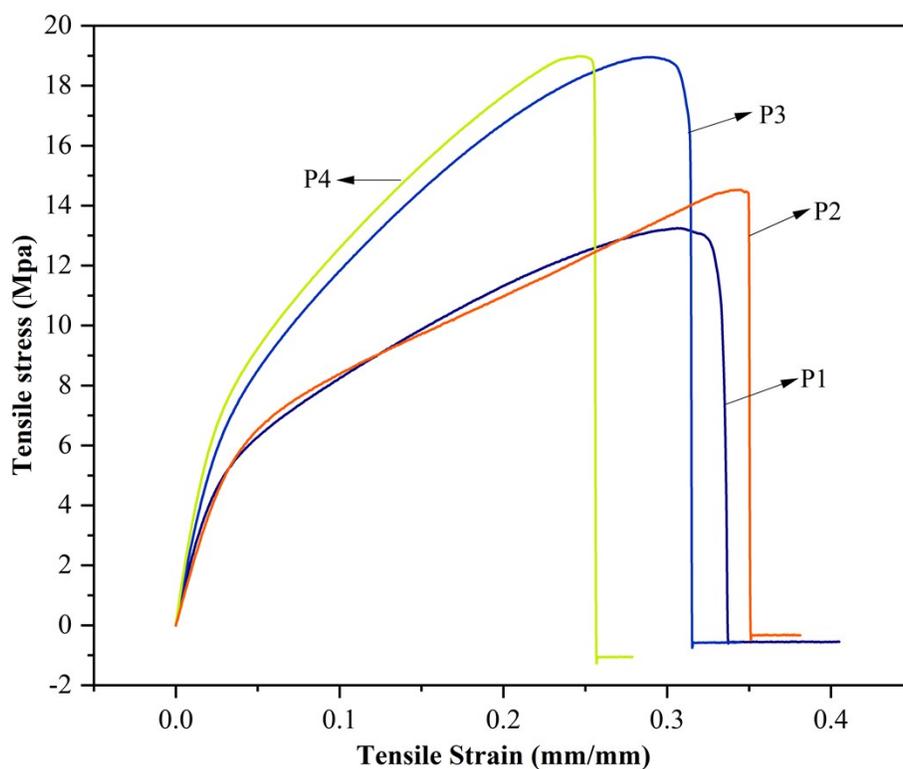


Fig. S1. Tensile strength curves of pure PEI and PEI based MMMs.

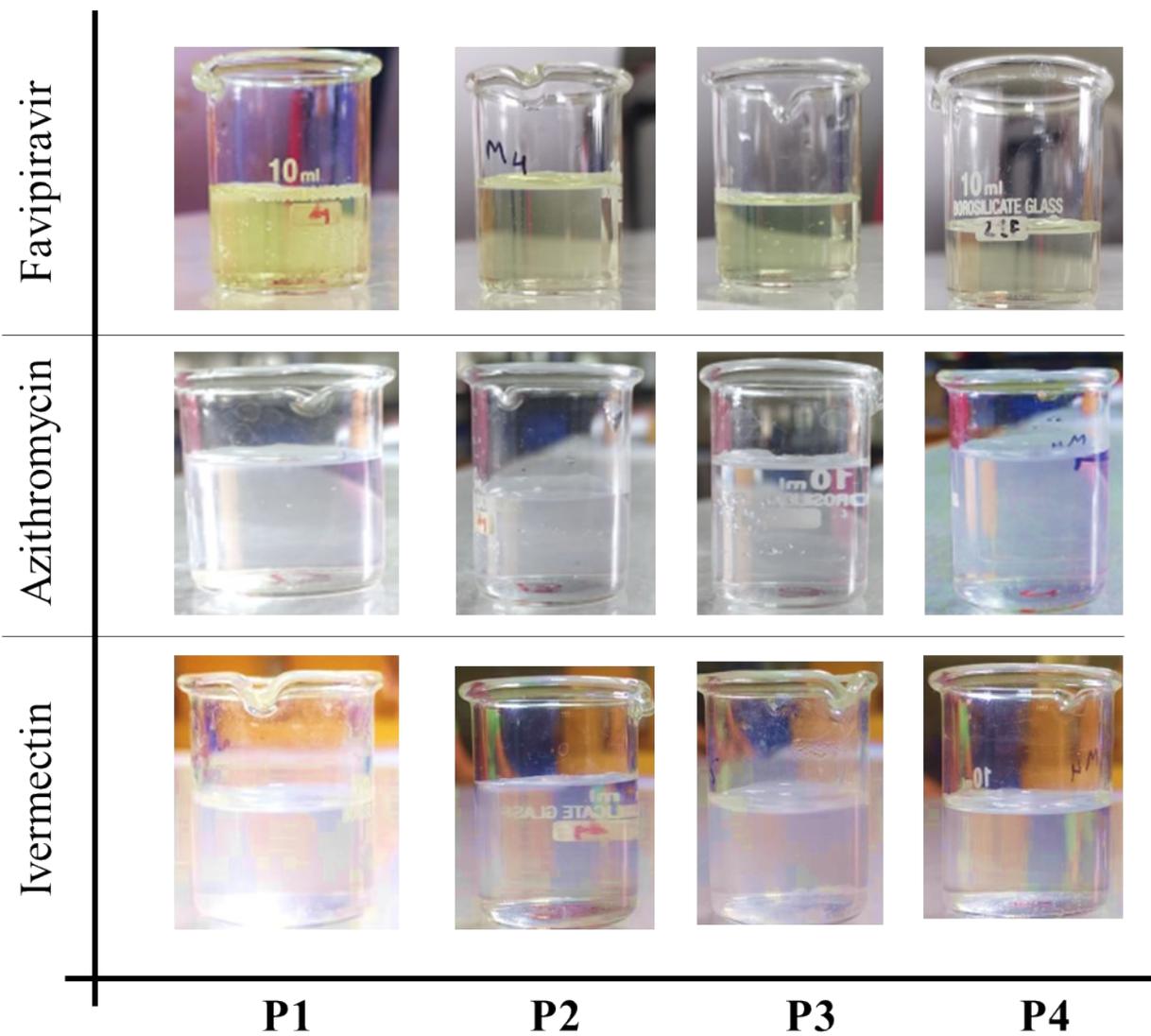


Fig. S2. Favipiravir, Azithromycin and Ivermectin removal shown for membranes using anecdotic beakers.

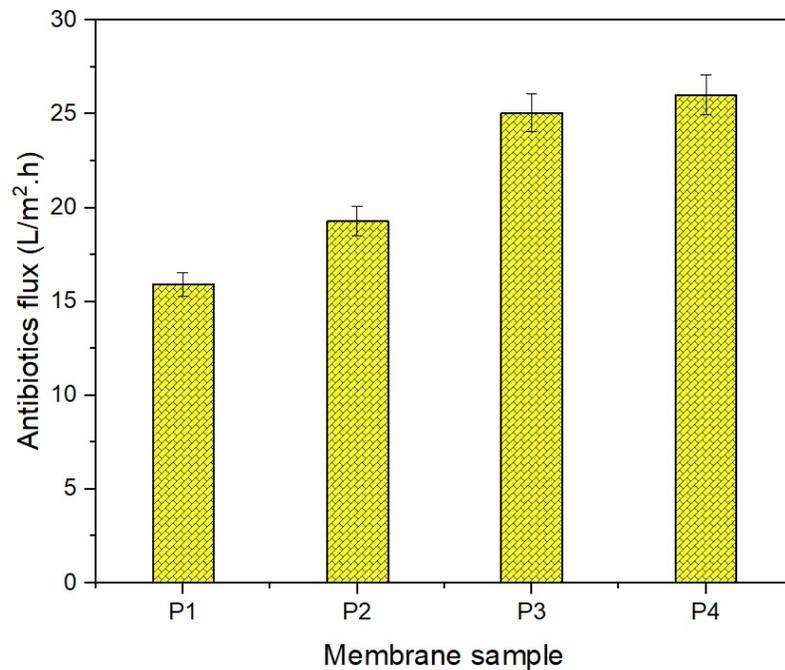


Fig. S3. The antibiotics wastewater flux through pure PEI and PEI based MMMs.

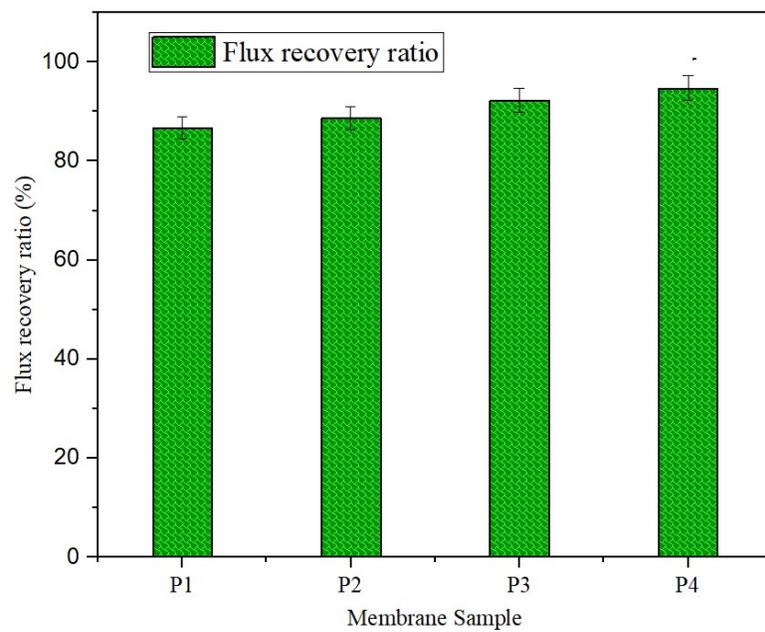


Fig. S4. The flux recovery ratio of the pure PEI and MMMs.

Table ST1. Mechanical properties of the PEI-based MMMs.

Membrane type	Breaking strength (MPa)	Elongation-at-break (%)
P1	13.25	4.90
P2	14.53	5.78
P3	18.96	6.12
P4	18.99	6.90