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Modelling approach to better control biofouling in fluidized bed membrane bioreactor for wastewater treatment

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Highlights

- Model was developed to better understand fouling in fluidized membrane bioreactor.
- Pore blockage models agreed well with results with different media dosage.
- Optimal dosage of non-adsorbing media (50% (v/v)) to minimize fouling was observed.
- PET media with bigger size and lower density allowed better pore blocking mitigation.

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