

### ***S1.5.4 New Treatment Technologies - What's Happening?***

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The crossflow, pressure-driven membrane separation technologies of microfiltration, ultrafiltration, nanofiltration and reverse osmosis have dominated the water purification and wastewater treatment industries for several decades.

As a result of the rapidly growing demands driven by water shortages and regulatory issues, numerous new technology developments are being investigated by academic institutions and industrial laboratories.

This presentation discusses a number of them and addresses the state of commercialization and strengths and weaknesses for each.