

## Presentation information on July 12, 2022

<b>Presenter Information</b>	
<b>Title, Name, Surname</b>	Dr Ranil Wickramasinghe
<b>Job title</b>	Distinguished professor, Department of Chemical Engineering
<b>Organisation</b>	University of Arkansas
<b>Biography</b>	<p>Ranil Wickramasinghe holds the Ross E Martin Chair in Emerging Technologies. He is an Arkansas Research Alliance Scholar. He is the Director of the Membrane Science, Engineering and Technology (MAST) Center, a National Science Foundation Industry-University Cooperative Research Center. Prof Wickramasinghe is the Executive Editor of Separation Science and Technology.</p> <p>Prof Wickramasinghe obtained his Bachelor's and Master's degrees from the University of Melbourne in Chemical Engineering. He obtained his PhD from the University of Minnesota, also in Chemical Engineering. He worked for 5 years in the biotechnology/biomedical industry in the Boston area before joining the Department of Chemical Engineering at Colorado State University. He joined the Department of Chemical Engineering at the University of Arkansas in 2011. Prof Wickramasinghe has published over 200 peer reviewed journal articles, several book chapters and patents and is co-editor of a book on responsive membrane and materials. Prof Wickramasinghe's research focuses on synthetic membrane-based separation processes for purification biopharmaceuticals, treatment and reuse of water and to produce biofuels. His group is actively developing responsive membranes. These membranes change their physical properties in response to changed environmental conditions. A second research focus is the development of catalytic membranes for biomass hydrolysis by grafting catalytic groups to the membrane surface. He helped cofound SIEV Technologies, which is focused on commercializing the catalytic membrane technology developed by Prof Wickramasinghe's group.</p>
<b>Presentation Information</b>	
<b>Title</b>	<b>An integrated electrocoagulation-microfiltration and direct contact membrane distillation processes for treating hydraulic fracturing produced</b>