Oklahoma State University School of Chemical Engineering

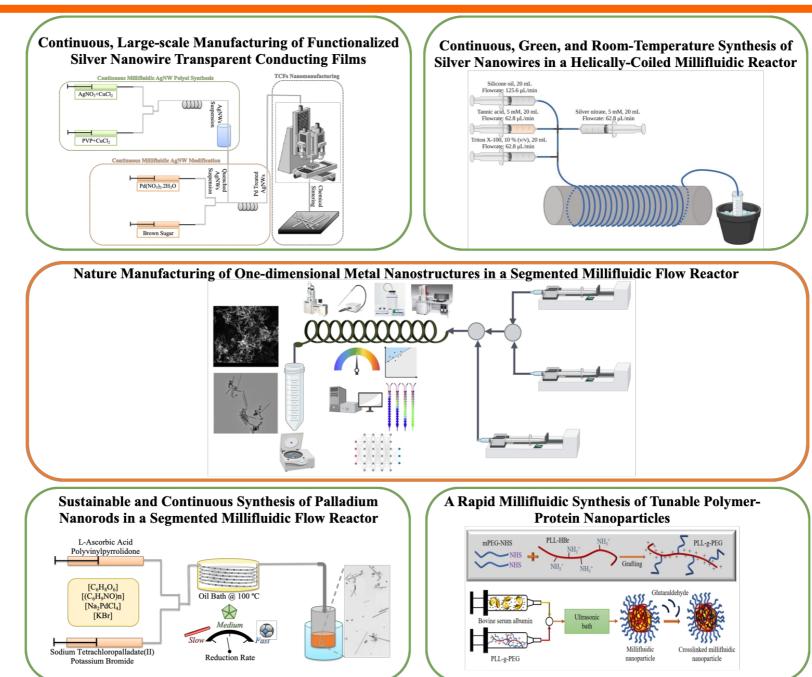


From Sustainable and Continuous Metal Nanostructure Manufacturing towards Future Nanotherapy Biomanafacturing



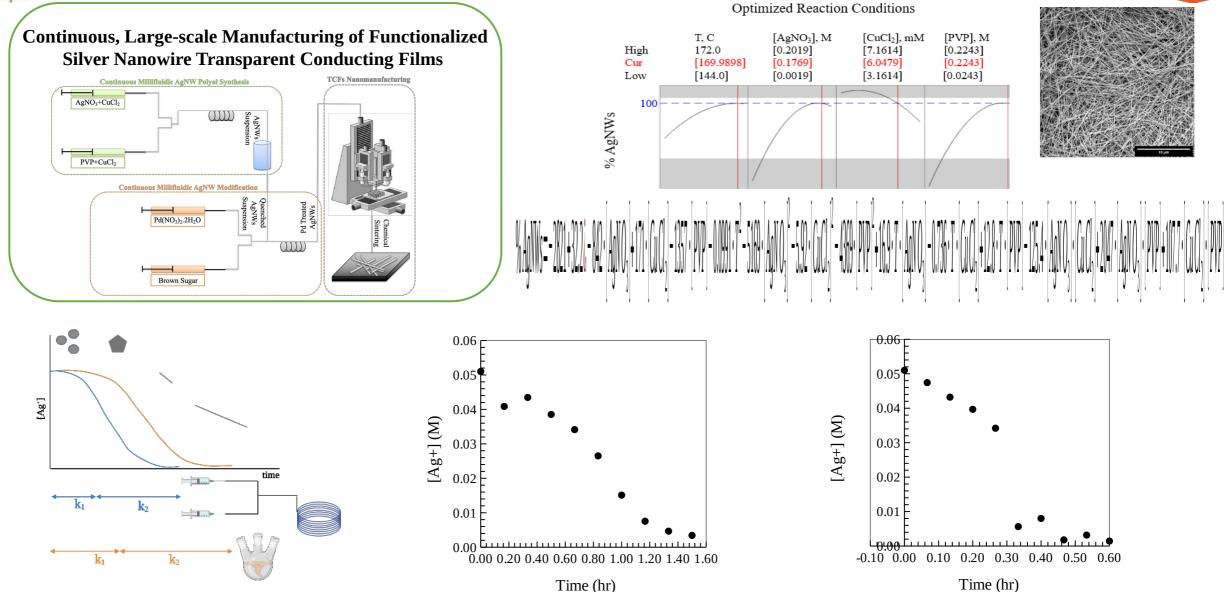
2023 NSF Nanoscale Science and Engineering Grantees Conference Shohreh Hemmati, PhD December 7th, 2023







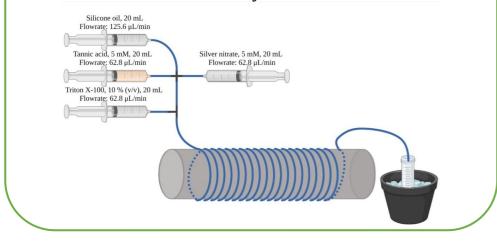


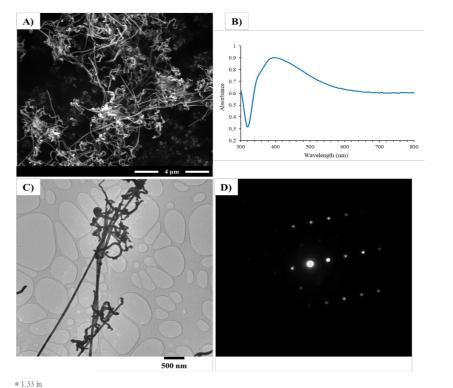


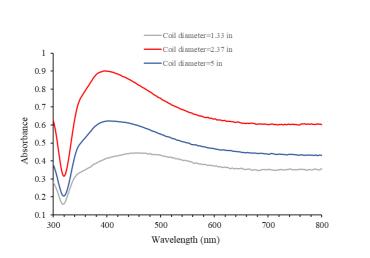


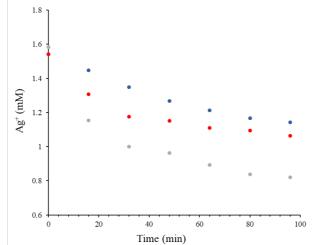


Continuous, Green, and Room-Temperature Synthesis of Silver Nanowires in a Helically-Coiled Millifluidic Reactor



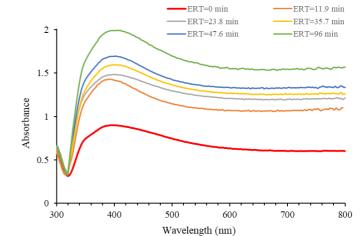






• 2.37 in

• 5 in

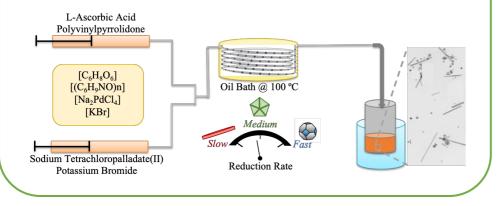


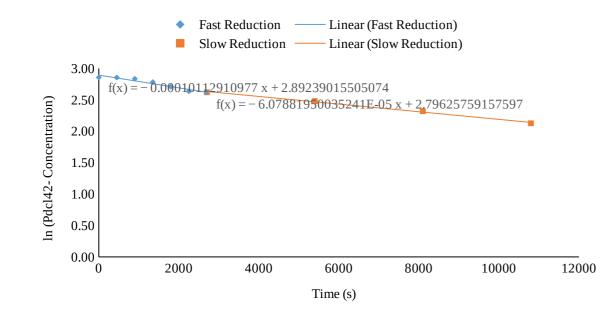
Colloids and Surfaces A: Physicochemical and Engineering Aspects 659 (2023) 130806





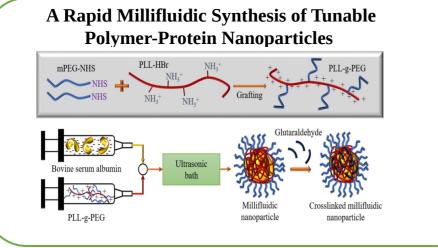
Sustainable and Continuous Synthesis of Palladium Nanorods in a Segmented Millifluidic Flow Reactor

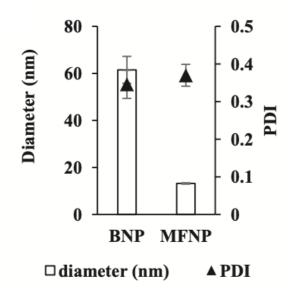


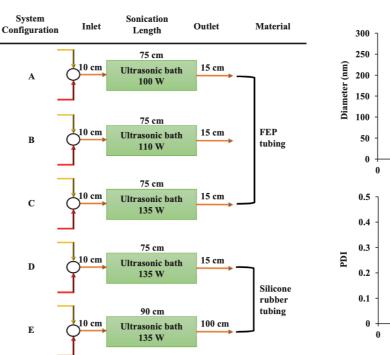


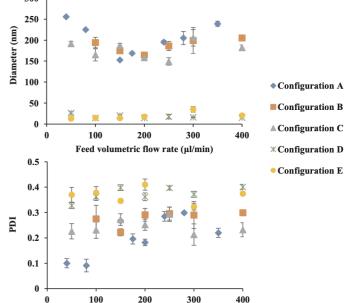










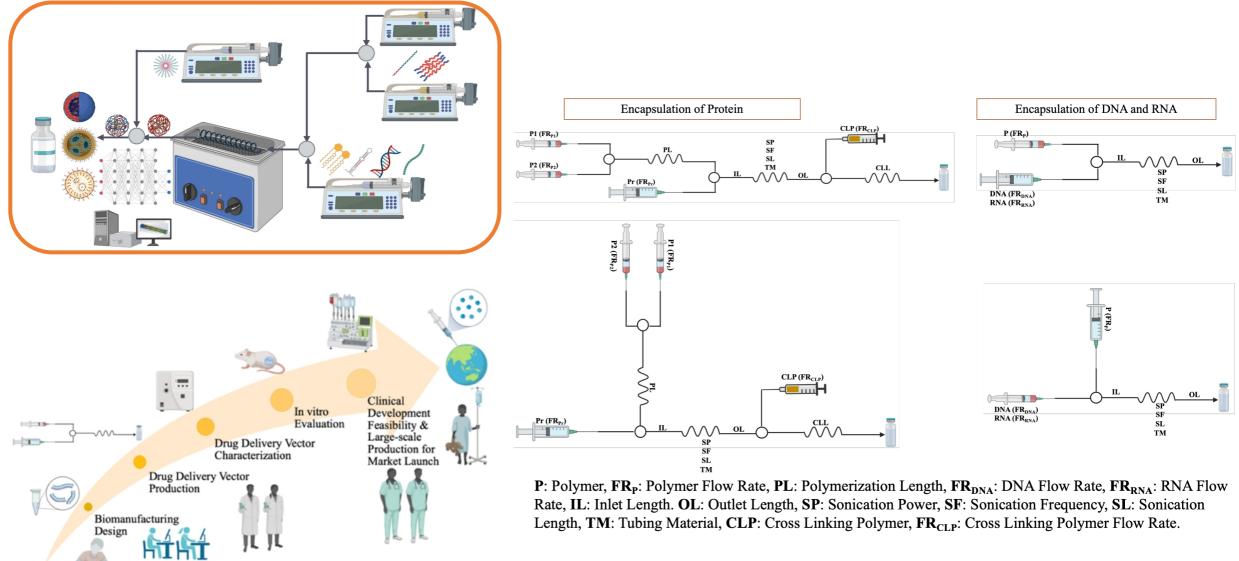


Feed volumetric flow rate (ml/min)





Transitioning from the lab to the Pharma Factor



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Dr. Jim

Smay



Vindula **Basnayake Pussepitiyalage**

Dr. Michael Harris

Dr. Sue Loesch-Fries



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