## Risk Assessment Form (3) Must be completed before experimentation.

itle of Project Characterization and Performa	nce of Next Generation L	Jitrafiltration Fouling-Resist	ant Polymeric and Lyocell Cellulose Nanofiber
Wastewater Treatment Membra	ines		
be completed by the Student Resear	cher(s) in collabo page(s) may be att	ration with Designached.)	ated Supervisor/Qualified Scientis
List all hazardous chemicals, activities, or o Potentially Hazardous Biological Agent ru	les).		
TEMPO- oxidized cellulsoe nanofibers, electr Plant), polyacrylate emulsions (PAE), and so	ospun polyacrylonitri	le, lyocell, purified wast ach	ewater (Riverhead Wastewater Treatment
	2 + x		
Identify and assess the risks involved in thi	is project.		
TEMPO- oxidized CNF: may cause mild respirato digestive tract irritation, Lyocell scaffold: may ca ingestion, wash hands thoroughly, clean up any or dizziness, Sodium hypochlorite bleach solutio exposure and ingestion/inhalation	ery irritation, avoid inhal suse mild respiratory irri spills immediately. Poly	itation, avoid inhalation, P racrylate emulsions (PAE):	Purified wastewater: avoid any form of the may cause respiratory irritation, drowsiness
Describe the safety precautions and proce			
Personal protective equipment (labcoat, glo toed shoes and long hair tied back will be c wearing personal protective equipment. Do changes in health while exposed to these c	omplied with. When u not eat or drink while	ising municipal wastewa	ater, work solely under the fume hood while
Describe the disposal procedures that will	be used (when applie	cable).	
All chemicals will be disposed in labelled a hazardous waste pickup.     Purified wastewater will be disposed of in a label.			
List the source(s) of safety information.			
1. University of Maine- The Process Develop	ment Center		
3. Engineered Fibers Technology			
4. Town of Riverhead Sewer District - Wastew	ater Treatment Plant		
5. Fisher Scientific 6. Stony Brook University's Environmental H	ealth and Safety Depa	ırtment	
1. University of Maine- The Process Develops 2. American Polymer Standards Corporation 3. Engineered Fibers Technology 4. Town of Riverhead Sewer District - Wastew 5. Fisher Scientific	vater Treatment Plant		
University's Environmental H	esignated Supervi	sor (or Qualified So	cientist, when applicable): I certify that I have reviewed the Research
Mengying Yang	Honouing Yan	4	6/25/19
Designated Supervisor's Printed Name	Signature	T	Date of Review (mm/dd/yy
Graduate Student: Stony Brook University		menavina i	yang@stonybrook.edu/(631) 428-8702
	Phone or email contact information		

Experience/Training as relates to the student's area of research