



FOOD SCIENCE AND TECHNOLOGY

Institute of Agriculture and Natural Resources

Food Science and Technology Departmental Seminar

September 12th, 2024
Seminar: FIC 277 12:00 PM
Reception to follow in FIC 275

Advancing Nanotechnology to Mitigate Forever Chemicals Pollution in Water and Food Systems



Nirupam Aich, PhD

McNeel Associate Professor of Engineering
Daugherty Water for Food Global Institute Faculty
Fellow

Associate Professor,
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<https://engineering.unl.edu/cee/faculty/nirupam-aich/>

Dr. Nirupam Aich is a Faculty of Environmental Engineering and a Faculty Fellow at the Daugherty Water for Food Global Institute, University of Nebraska. His research goal is to protect public health through water quality engineering and physical-chemical treatment of drinking water and wastewater. His lab focuses on the mitigation of emerging water pollution (e.g., per- and

polyfluoroalkyl substances or PFASs) and resource recovery through the safer and intelligent design and development of advanced materials, membranes, and manufacturing. Dr. Aich's interdisciplinary approach spans environmental engineering, chemical engineering, and materials sciences, addressing challenges in water treatment, sustainable nanotechnology, and global pollution issues.

Dr. Aich's has secured over \$5.6 million in external funding, with significant support from organizations like the NSF, NIH, USDA, USGS, DOD/SERDP, and USEPA. He has received

numerous awards and recognitions including the NSF CAREER Award and American Academy of Environmental Engineers and Scientists 40 Under 40. He also received the Research Excellence Award from the University of Nebraska's College of Engineering and the Distinguished Service Award from Association of Environmental Engineering & Science Professors. He holds a Ph.D. in Civil Engineering (Environmental) from the University of Texas at Austin, an M.S. in Civil Engineering (Environmental) from the University of South Carolina, and a B.Sc. in Chemical Engineering from Bangladesh University of Engineering & Technology.

Meeting URL: <https://unl.zoom.us/j/93413358774?from=addon>
Meeting ID: 934 1335 8774

Upcoming Seminars: <https://foodscience.unl.edu/food-science-and-technology-seminar-series/>