



Michigan Technological University Chemistry

Fall 2020 Virtual Poster Session



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Advisor: Dr. Sarah A. Green

Biography

Nastaran received her B.S. in Polymer Engineering and Color Science from Amirkabir University of Technology, Tehran, Iran in 2016. After receiving her B.S. degree, she joined the Institute for Color Science and Technology of Tehran in 2017 to pursue her M.S. degree, focusing on different research areas such as color reproduction in LCD monitors and rheological properties of industrial resins. In fall 2018, she came to Michigan Technological University to join the PhD program in the department of chemistry. She took an interest in environmental and analytical chemistry, which resulted in joining a collaborative research project to study dissolved organic matter (DOM) properties in soil and aquatic environments. Currently, she works as a graduate research assistant with Dr. Green, focusing on chemical characterization and oxidative polymerization of molecular structures such as dihydroxy naphthalene to produce humic-like optical properties and molecular signatures.