



**Interview with  
Sonia Moavenzadeh on her  
Research on PFAS Movement  
and Interaction with HDPE  
Geomembranes**



***“My research on PFAS movement and interaction with HDPE geomembrane has the potential to make a significant difference in managing and mitigating the impacts of PFAS contamination on the environment and public health.***

***I have contributed to this field by exploring the adsorption of PFAS compounds onto landfill geomembrane and evaluating their effectiveness in containing PFAS-laden leachate, which is an important area of study as landfills are a significant reservoir of PFAS.”***



***“My research has contributed to raising awareness of the need for continued research and management efforts to address the urgent environmental challenges posed by PFAS contamination.***

***My work highlights the importance of interdisciplinary collaboration and sustainable solutions in mitigating the impacts of PFAS contamination and shaping environmental engineering practices for years to come.”***



***“Through my research, I have gained a deeper understanding of the complexities of PFAS contamination, and the challenges involved in developing effective solutions to address it. I have developed new expertise in areas such as materials science, environmental chemistry, and analytical techniques, which can be applied to future research endeavours.”***



**As Seen In:**



***“Moreover, the passion and dedication that I have developed throughout this work have strengthened my commitment to environmental protection, and this will undoubtedly drive my future efforts. This experience has inspired me to continue exploring new and innovative ways to tackle environmental challenges and to promote sustainable development practices in my future work. I am confident that this experience will have a lasting impact on my professional growth and my ability to contribute meaningfully to environmental research.”***



# More about..Sonia Moavenzadeh



## Sonia Moavenzadeh

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Sonia is a Ph.D. student in Civil and Environmental Engineering at University of Maine. She earned her MS degree in Civil and Environmental Engineering at K. N. Toosi University of Technology in Tehran. Her research interest is utilizing nanomaterials for enabling pragmatic and sustainable water treatment methods to overcome emerging water treatment problems. She applies experimental and theoretical methodology for problem-solving in her research. In her spare time, Sonia likes swimming, watching movies, meeting with her friends, and traveling.