# Morshad Ahmed

Email: mahmed41@cougarnet.uh.edu **EXPERIENCE** 

Phone: (832)-907-7940 LinkedIn: linkedin.com/in/morshad-ahmed-861710145/

Teaching Assistant, Atmospheric Sciences		Fall 19 – Current
1	aching, developing, and implementing curriculum for Atmospheric Scienc ivision - Mickey Leland Environmental Internship Program (MLEI	
	s of 60+ major and minor wastewater permit renewals. Quality Assessment section – MLEIP, TCEQ	Summer 2022
oxygen (DO) mod	6	C C
	odelling and Data Analysis section - MLEIP, TCEQ	Summer 2021
• Prepared 50+ resea	arch summaries and created databases of research projects.	
SKILS		
<ul><li>Instruments</li><li>Software Skills</li></ul>	TEKRAN Hg Analyzer (2537B, 1130, and 1135 units), Particulate matter (PM) sampler. R, Python, ArcGIS Pro, PMF, HYSPLIT, AtChem2 box model, AERMOD, CALPUFF, CALINE.	
• Software Skins		ob, cher off, cherve.
EDUCATION		
Ph.D. Candidate in Atm	ospheric Sciences	
Department of Earth and Atmospheric Sciences, University of Houston, CGPA: 3.833/4.00		Expected graduation Jul. 2024
M.S.		
Inorganic and Analytical Chemistry, University of Dhaka, CGPA: 3.73/4.00		Oct. 2018
B.S.		

Chemistry, University of Dhaka, CGPA: 3.40/4.00

### PUBLICATIONS

- 1. Ahmed M., Rappenglueck B., Ganranoo L., and Dasgupta P.K. (2023): Source apportionment of gaseous Nitrophenols and their contribution to HONO formation in an urban area. Chemosphere, 338, 139499.
- 2. Hosseinpoor S., Ahmed M., Akther T., Amir M. (2023): Spatial trend and source apportionment of metals in wet atmospheric precipitation: a study on drying Urmia Lake implications, NW Iran. International Journal of Environmental Analytical Chemistry, 1-11.
- Mohammadi, A., Soleimani, A., Abdolahnejad, A., Ahmed, M., Akther, T., Nemati-Mansour, S., & Miri, M. (2022): SARS-CoV-2 detection 3. in hospital indoor environments, NW Iran. Atmospheric Pollution Research, 101511.
- 4. Ahmed M., Rappenglück B., Das S., and Chellam S. (2021): Source Apportionment of Volatile Organic Compounds, CO, SO2 and Trace Metals in a complex urban atmosphere. Environmental Advances, 100127.
- Akther T., Ahmed M., Shohel M., Ferdousi F.K., Salam A. (2018): Particulate Matters and Gaseous Pollutants in Indoor Environment and 5. Association of Ultra-fine Particulate Matters (PM1.0) with Lung Function. Environmental Science and Pollution Research, 26(6), 5475-84.
- Ahmed M., Hossain A., Akther T., Shohel M., Salam A. (2018): Chemical Composition and Source Identification of Fog Water at an Indo-6. Gangetic Plain (IGP) Outflow Location (Coastal Bhola Island), Bangladesh. Journal of Environmental Pollution and Management 1: 104.
- 7. Ahmed M., Das M., Afser T., Rokonujjaman M., Akther T., Salam A. (2018): Emission of Carbonaceous Species from Biomass Burning at the Traditional rural Cooking Stove in Bangladesh. Open Journal of Air Pollution, 07(04):287-297.
- Samiha R.A., Ahmed M., Shohel M., Salam A. (2018): Chemical Composition and Source Characterization of Hailstones in Dhaka, 8. Bangladesh. Journal of Geoscience and Environment Protection, 6, 71-82.

## **KEY WORKSHOPS & PRESENTATIONS**

- 17th IGAC Science Conference, 11-15 September 2022, Manchester, UK.
- American Geophysical Union, 13-17 December 2021, Louisiana, USA
- HYSPLIT Workshop (virtual), 22-25 June, NOAA Air Resources Laboratory
- Fourth Atmospheric Composition and Asian Monsoon, 26-28 June 2019, Malaysia
- 14th iCACGP Quadrennial Symposium/15th IGAC Science Conference, 25-30 September, Japan
- Second Atmospheric Composition and Asian Monsoon Training School, 10-12 June 2017, China
- Third Atmospheric Composition and Asian Monsoon, 5-9 June 2017, China

#### VOLUNTEER WORK 1. . .

Judge, senior division (Earth and Environmental Sciences), Science and Engineering Fair of Houston	2022
• Evaluated 10 research projects and discussed with the panel to determine the top 3 projects.	
Member of the organizing committee, 35th Student Research Conference, Alumni & Industry Open House	

Created Zoom links, breakout rooms, and provided assistance during Zoom meetings.

#### HONORS & AWARDS

- Outstanding Academic Achievement Award in Atmospheric Science and Graduate Tuition Fellowship
- Outstanding Graduate Scholarship, Department of Chemistry, University of Dhaka (top 15%)

2022

Feb. 2016