

Photo Gallery



Plate 1. Manta net

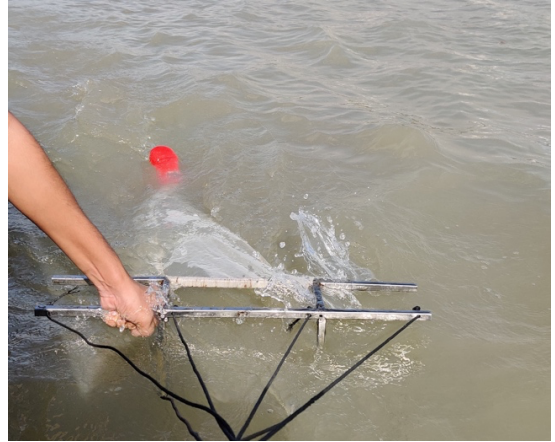


Plate 2. Net towing



Plate 3. Sample collection



Plate 4. Sieving



Plate 5. Drying

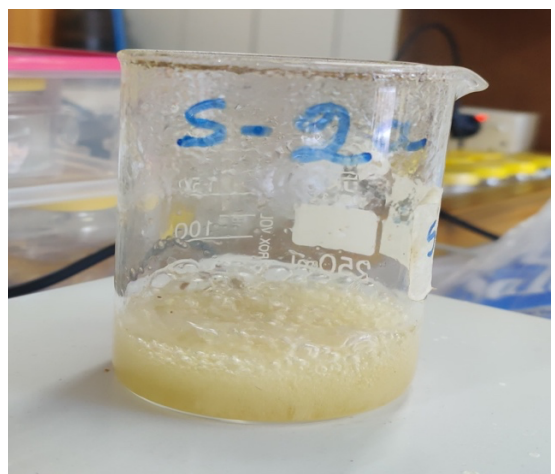


Plate 6. Wet per oxidation



Plate 7. Heating



Plate 8. Density separation



Plate 9. Collection of separated samples



Plate 10. Filtration



Plate 11. Visually identified microplastics



Plate 12. Microscopic observation

APPENDICES

Appendix 1: One-way analysis of monthly variations of total microplastics abundance

ANOVA					
Abundance					
	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	7200000000.0	1	7200000000.0	6.668	0.010
Within Groups	308814197530.9	286	1079769921.4		
Total	316014197530.9	287			

Appendix 2: Seasonal variation of total microplastics abundance analyzed by independent t-test

Independent Samples Test										
		Levene's Test for Equality of Variances		t-test for Equality of Means						
				F	Sig.	t	df	Sig. (2-tailed)	Mean Diff	SE Diff
		Lower	Upper							
Abundance	Equal variances assumed	11.469	0.001	2.582	286	0.010	1000.000	3872.57	2377.64	17622.35
	Not assumed			2.582	233.7	0.010	1000.000	3872.57	2370.38	17629.61

Appendix 3: One-way analysis of microplastic abundance variations by type

ANOVA					
Abundance					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	132864197530.9	5	26572839506.2	40.915	0.00
Within Groups	183150000000.0	282	649468085.1		
Total	316014197530.9	287			

BIOGRAPHY

This is Jannatun Naeem Ananna, daughter of Rayhan Ahmed and Ashura Rayhan, Nawabganj, Bangladesh. She passed the Secondary School Certificate Examination in 2011 from Nawabganj Pilot Girls' High School, followed by the Higher Secondary Certificate Examination in 2013 from Dohar Nawabganj College. She graduated in 2019 with a B. Sc. in Fisheries (Hons.) degree from the Faculty of Fisheries, Chattogram Veterinary and Animal Sciences University (CVASU), Chattogram, Bangladesh. She is now a candidate for the degree of MS under the Department of Fisheries Resource Management, Faculty of Fisheries, Chattogram Veterinary and Animal Sciences University, Chattogram, Bangladesh.