

Supplementary

Impact of Biomass Burning Plumes on the Size-segregated Aerosol Chemistry over an Urban Atmosphere at Indo-Gangetic Plain

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Table S1: Concentration of total aerosol (PM18) and its major water soluble ionic components over Kolkata in individual sampling events during fire and normal episodes

	Start date	End date	Mass	K ⁺	NH ₄ ⁺	SO ₄ ²⁻	NO ₃ ⁻	Na ⁺	Cl ⁻
Fire	15/03/2016	18/03/2016	108.4	0.9	3.0	13.1	2.4	1.7	1.7
	24/03/2016	27/03/2016	101.7	0.5	2.7	12.4	2.3	2.0	1.8
	02/04/2016	05/04/2016	101.4	1.2	3.3	15.9	2.6	2.5	3.0
	12/04/2016	15/04/2016	108.5	1.3	3.6	16.2	4.9	1.2	1.1
	19/04/2016	22/04/2016	99.7	0.4	2.2	6.0	2.1	2.7	4.2
	26/04/2016	29/04/2016	80.2	0.5	2.0	5.9	1.3	2.6	2.6
Normal	04/05/2016	04/05/2016	66.9	0.2	1.2	8.9	2.3	1.8	1.4
	11/05/2016	14/05/2016	49.1	0.2	1.3	3.6	1.8	2.1	2.4
	18/05/2016	21/05/2016	52.6	0.3	1.1	6.9	1.1	0.9	1.6
	25/05/2016	28/05/2016	66.3	0.1	1.2	13.4	3.7	1.6	3.4

All the concentrations are in $\mu\text{g m}^{-3}$. The sampling dates are in the format of dd/mm/yyyy