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LIST OF SYMBOLS AND ABBREVIATIONS

List of Symbols

PM _{2.5}	Particulate matter with aerodynamic diameter 2.5 µm
PM ₁₀	Particulate matter with aerodynamic diameter 10 µm
bp	Base pair
r	Correlation coefficient
R ²	Coefficient of determination
kbp	Kilo base pair
rpm	Rotation per minute
C'	Airborne cumulative concentration of Bioaerosols (CFU/m ³ air)
C _i	Bioaerosols concentration of <i>i</i> stage of Anderson six-stage impactor
C _w '	Microbes concentration in wastewater
I/O	Indoor-to-outdoor concentration ratio

List of Abbreviations

ADD	Annual daily dose	IR	Inhalation rate
AGI	All-Glass Impinger	ITS	Internal transcribes spacer
ALV	Alveolar region	LIF	Laser/light-induced fluorescence
ANN	Artificial Neural Network	LPM	Liter per minute
AQI	Air Quality Index	MS	Mass spectrometry
AT	Average lifetime	MSW	Municipal solid waste
BA	Bacterial bioaerosols concentration	NA	Nutrient agar
BHU	Banaras Hindu University	NAAQS	National Ambient Air Quality standards
BW	Body weight	NCBI	National Center for Biotechnology Information
CCN	Cloud condensation nuclei	NGS	Next-generation sequencing
CFU	Colony-forming units	OPD	Outpatient department
CPCB	Centre for Pollution Control Board	PBAP	Primary bioaerosol particles
DNA	Deoxyribonucleic acid	PCA	Principal component analysis

ED	Exposure duration	PCR	Polymerase chain reaction
EF	Exposure frequency	PDA	Potato dextrose agar
EF	Exposure frequency	PM	Particulate matter
FA	Fungal bioaerosols concentration	QC	Quality control
GF	Growth factor	qPCR	Quantitative polymerase chain reaction
GFA	Glass fibre filter	RDF	Refused derived fuel
GIS	Geographic information system	RH	Relative humidity
GNB	Gram-negative bacteria	RSME	Root mean square error
GPB	Gram-positive bacteria	SD	Standard deviation
HA	Head airways	TB	Tracheobronchial region
HIV	Human immunodeficiency virus	TMC	Total microbial concentrations
HQ	Hazard Quotient	TPD	Tonnes per day
HR	Health risk	TSPM	Total suspended particulate matter
HR	Hazard Ratio	UNEP	United Nations Environmental Program
ICRP	International Commission on Radiological Protection	USEPA	United Nations Environmental Protection Agency
IGP	Indo-Gangetic Plain	UTI	Urinary tract infection
IMD	India Metrological Department	UV	Ultraviolet
IN	Ice nucleation	WD	Wind direction
IPCC	Intergovernmental Panel on Climate Change	WS	Wind speed
