

Supplementary Materials:

Microbial Community Composition Analysis in Spring Aerosols at Urban and Remote Sites over the Tibetan Plateau

Prakriti Sharma Ghimire ^{1,3}, Shichang Kang ^{1,2,4,*}, Wasim Sajjad ¹, Barkat Ali ¹, Lekhendrar Tripathi ^{1,3} and Pengfei Chen ¹

¹ State Key Laboratory of Cryospheric Science, Northwest Institute of Eco-environment and Resources, Chinese Academy of Sciences (CAS), Lanzhou 730000, China; sharprakriti@lzb.ac.cn (P.S.G.), wasim.sajjad71@yahoo.com (W.S.), aliyousafzai46@yahoo.com (B.A.), lekhendra@lzb.ac.cn (L.T.), pengfei.chen@lzb.ac.cn (P.C.)

² CAS Center for Excellence in Tibetan Plateau Earth Sciences, Beijing 100085, China

³ Himalayan Environment Research Institute (HERI), 44602, Kathmandu, Nepal

⁴ University of Chinese Academy of Sciences, 100864, Beijing, China

* Corresponding: shichang.kang@lzb.ac.cn

Table S1. Correlation matrix of the major parameters measured at Lanzhou site, China.

	TSP	Bacteria	Fungi	Temp	Pressure	RH	WS
TSP	1	0.177	0.177	-0.579	0.180	-0.062	0.188
Bacteria		1	1.000**	-0.133	0.379	-0.153	0.712*
Fungi			1	-0.135	0.373	-0.159	0.714*
Temp				1	-0.455	0.419	-0.374
Pressure					1	-0.105	0.348
RH						1	-0.749*
WS							1

*. Correlation is significant at the 0.05 level (2-tailed).

**. Correlation is significant at the 0.01 level (2-tailed).

Table S2. Correlation matrix of the major parameters measured at Lhasa site, China.

	TSP	Bacteria	Fungi	Temp	Pressure	RH	WS
TSP	1	0.071	-0.447	0.213	-0.566	0.357	0.775*
Bacteria		1	0.217	0.457	-0.748*	0.349	0.105
Fungi			1	-0.198	-0.747*	0.343	0.105
Temp				1	-0.618	0.791*	0.135
Pressure					1	-0.221	-0.599
RH						1	-0.002
WS							1

*. Correlation is significant at the 0.05 level (2-tailed).

**. Correlation is significant at the 0.01 level (2-tailed).

Table S3. Correlation matrix of the major parameters measured at Qomolangma site, China.

	TSP	Bacteria	Fungi	Temp	Pressure	RH	WS
TSP	1	.071	-0.447	0.213	0.643	0.468	0.870*
Bacteria		1	0.217	0.457	-0.236	0.392	0.005
Fungi			1	-0.198	-0.828*	0.067	-0.612
Temp				1	0.204	0.113	0.071
Pressure					1	0.179	0.695
RH						1	0.438
WS							1

*. Correlation is significant at the 0.05 level (2-tailed).

**. Correlation is significant at the 0.01 level (2-tailed).