

Supplementary Materials

Tables

Table S1. PM_{2.5} concentrations in 12 air monitoring sites from TEPA and a station from Environmental Protection Bureau Kaohsiung Government ($\mu\text{g m}^{-3}$) between 2010 and 2019

Table S2. The ten-year trend of PM_{2.5} in Kaohsiung based on the PM_{2.5} data from TEPA air monitoring stations ($\mu\text{g m}^{-3}$) between 2010 and 2019

Table S1. PM_{2.5} concentrations in 12 air monitoring sites from TEPA and a station from Environmental Protection Bureau Kaohsiung Government (KEPB) ($\mu\text{g m}^{-3}$) between 2010 and 2019

Air monitoring site	N	Minimum	Maximum	Mean	SD
Ciaotou ^a	10	15.0	23.7	18.6	2.52
Fengshan ^a	10	22.3	45.3	32.3	8.33
Nanzi ^a	10	24.5	29.4	25.7	1.61
Fuxing ^a	10	22.6	38.3	30.2	5.67
Mino ^a	10	17.2	39.8	26.7	7.42
Qianzhen ^a	10	20.8	45.4	32.1	9.62
Qianjin ^a	10	22.9	46.3	33.4	9.21
Linyuan ^a	10	16.8	46.1	28.1	9.51
Zuoying ^a	10	21.1	43.3	31.9	7.31
Renwu ^a	10	23.9	43.4	32.1	7.14
Xiaogang ^a	10	21.0	46.7	33.3	10.1
Daliao ^a	10	25.1	48.9	33.1	8.89
Ai-Gou ^b	4	25.8	39.2	29.9	6.23

^a TEPA air monitoring site

^b KEPB air monitoring site

Table S2. The ten-year trend of PM_{2.5} in Kaohsiung collected from TEPA or KEPB air monitoring sites between 2010 and 2019 ($\mu\text{g m}^{-3}$)

Years	N	Minimum	Maximum	Mean	SD
2019	13 ^a	15.0	25.8	22.0	3.06
2018	13	16.0	27.8	23.7	3.49
2017	13	16.8	29.5	26.1	4.21
2016	13	18.0	39.2	26.1	5.00
2015	12 ^b	17.6	27.8	25.0	3.25
2014	12	19.1	33.4	29.3	3.95
2013	12	19.5	43.9	37.6	7.21
2012	12	19.5	45.3	34.3	7.75
2011	12	21.0	48.9	42.1	7.32
2010	12	23.7	44.9	39.2	6.13

^a 12 TEPA and 1 KEPB air monitoring sites

^b 12 TEPA air monitoring sites