

Supplementary Materials:

Multi-year continuous observations of ambient PM_{2.5} at six sites in Akure, southwestern Nigeria

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Table S1. Monthly mean of PM_{2.5} mass concentrations for all site data obtained in the present study

Month	PM _{2.5} Concentration (µg/m ³)		
	Average (±SD)	Medium	Maximum
Jan	95.4 (± 69.1)	74.7	404.4
Feb	97.7 (± 68.0)	75.5	390.6
Mar	52.8 (± 32.2)	47.0	267.4
Apr	24.6 (± 18.5)	20.4	89.3
May	17.7 (± 11.9)	16.1	75.6
Jun	16.6 (± 12.3)	15.2	67.1
Jul	20.2 (± 11.7)	19.6	80.4
Aug	23.5 (± 20.2)	20.8	129.6
Sep	16.5 (± 21.5)	12.2	186.7
Oct	18.6 (± 14.2)	15.5	73.5
Nov	31.1 (± 15.8)	29.2	94.2
Dec	76.8 (± 54.4)	71.5	381.9
Wet Season	19.6 (± 16.4)	16.5	186.7
Dry Season	76.5 (± 60.8)	59.3	404.4

Table S2. Seasonal mean of PM_{2.5} mass concentrations at each site obtained in the present study.

Season	PM _{2.5} Concentration (±SD) (µg/m ³)					
	Site A	Site B	Site C	Site I	Site J	Site K
Wet	9.9 (± 11.3)	14.8 (± 13.7)	25.2 (± 20.9)	20.8 (± 8.0)	32.2 (± 13.5)	24.4 (± 16.4)
Dry	49.4 (± 59.4)	41.3 (± 28.4)	75.1 (± 52.9)	110.6 (± 74.9)	90.2 (± 56.3)	98.3 (± 52.8)
Annual	26.4	23.6	46.5	52.6	55.9	53.4

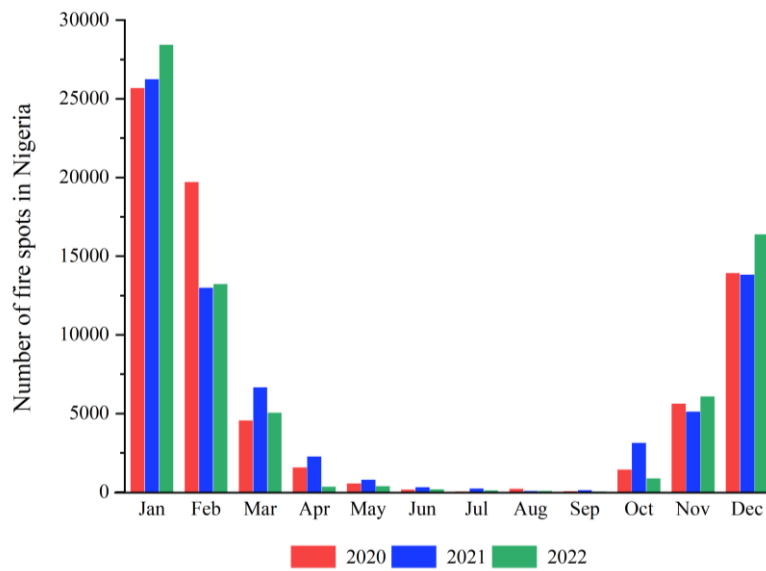


Figure S1. Seasonal variation of number of fire spots over Nigeria detected by MODIS from 2020 to 2022.

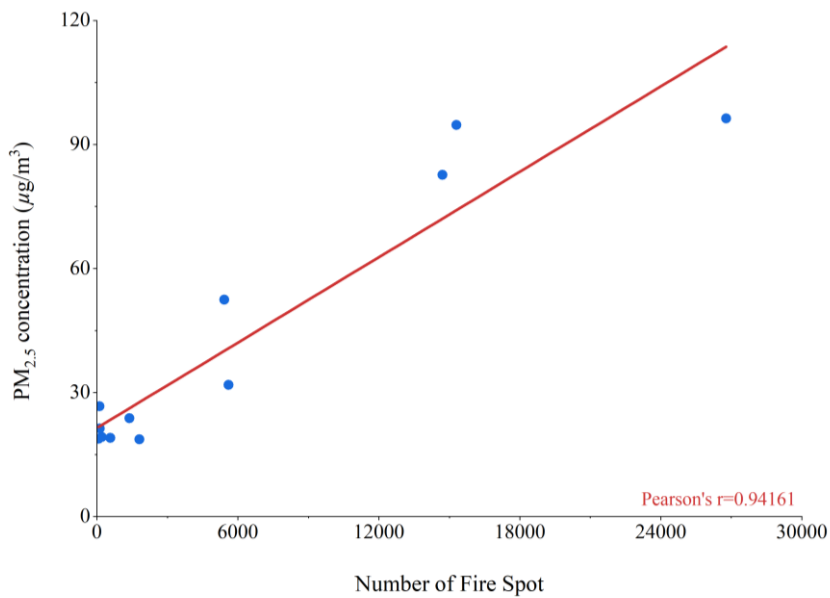


Figure S2. Scatter plot of the monthly means of PM_{2.5} concentrations at all sites and number of fire spots in Nigeria observed by MODIS.