

Supporting Information

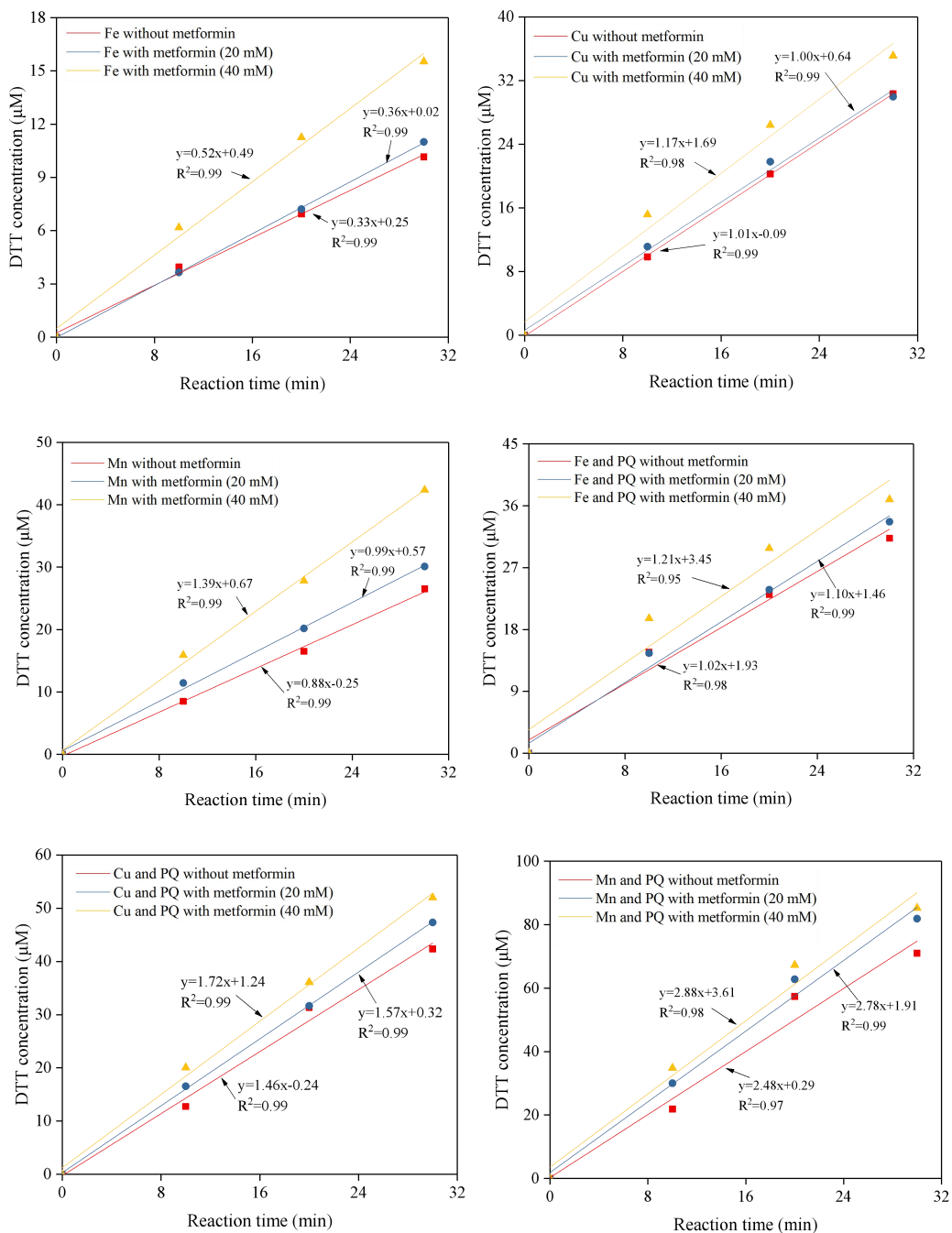


Figure S1. Effect of different metformin concentration (0 mM, 20 m and 40 mM) on DTT consumption rate between metals (Cu, Mn and Fe) and PQ.

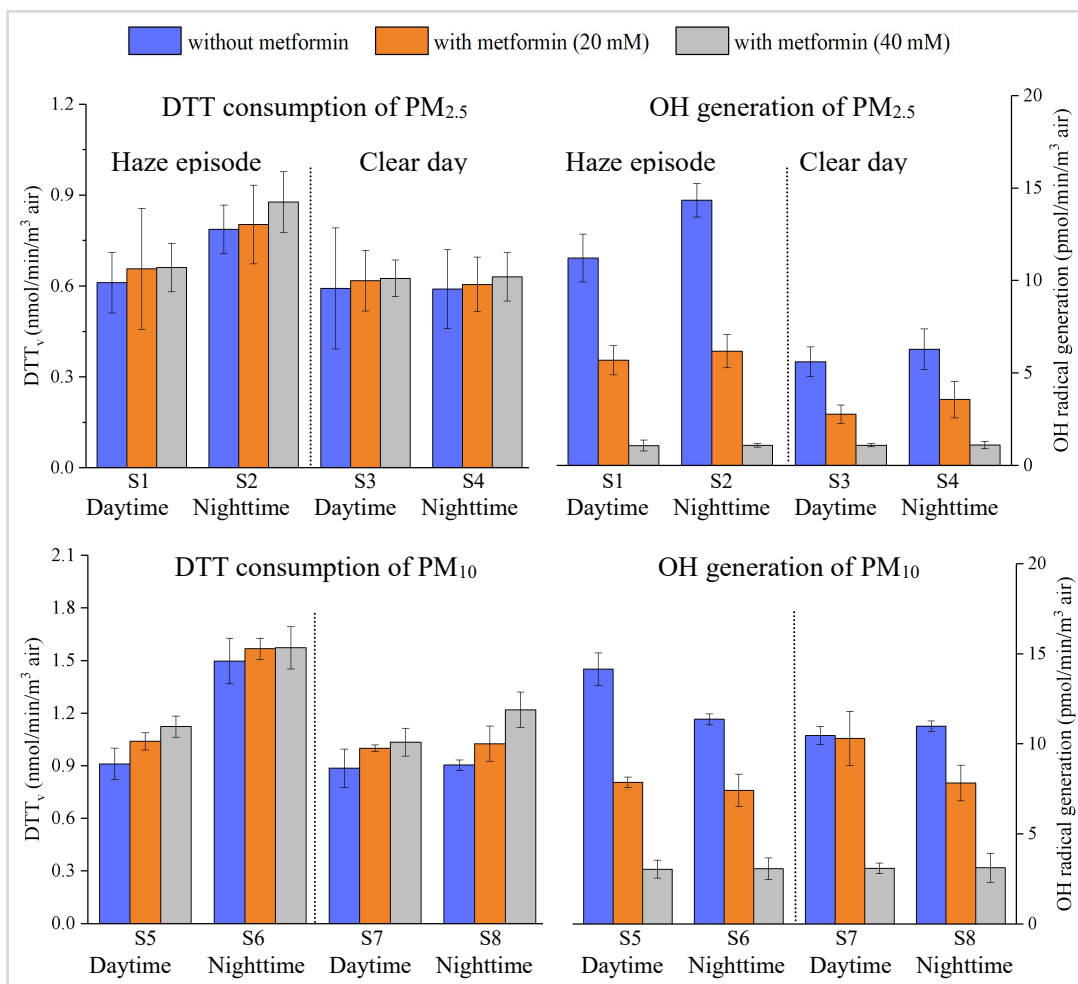


Figure S2. Effect of metformin on DTT consumption and OH radical generation for PM_{2.5} and PM₁₀. Samples were collected from Shandong, including haze and non-daze days.

Table S1 Details of ambient PM samples collection.

Samples	Sampling time	categories	Mass (mg)	Weather condition
S1	2016/3/5 (8:00)	PM _{2.5}	10.888	haze
S2	2016/3/5 (20:00)	PM _{2.5}	9.645	haze
S3	2016/3/4 (8:00)	PM _{2.5}	8.120	non-haze
S4	2016/3/4 (20:00)	PM _{2.5}	15.290	non-haze
S5	2016/3/5 (8:00)	PM ₁₀	9.930	haze
S6	2016/3/5 (20:00)	PM ₁₀	8.848	haze
S7	2016/3/4 (8:00)	PM ₁₀	4.566	non-haze
S8	2016/3/4 (20:00)	PM ₁₀	7.888	non-haze