

Table (1): Toxic gaseous air pollutants TVOCs (threshold volatile organic compound and Formaldehyde removal by Myrtus plant treated with different concentrations of TiO₂ nanoparticles

Day	TiO₂ treatment	TVOCs (avg ppb)	Formaldehyde (avg ppm)	Relative Humidity (%)	T (°C)	Air Velocity (m/s)	Air Change per hour (ACH)
1	none	410	0.275	56	22.1	0.07	11
2	1 ppm	260	0.17	57	22.8	0.08	10
3	3 ppm	150	0.12	55	21.7	0.08	12
4	5 ppm	85	0.09	60	20.2	0.09	11
5	7 ppm	54	0.014	62	22.4	0.09	12

Table (2): Toxic gaseous air pollutants (CO, NO₂, SO₂) removal by Myrtus plant treated with different concentrations of TiO₂ nanoparticles

Day	TiO₂ treatment	CO ppm	NO₂ ppm	SO₂ ppm	Relative Humidity (%)	T (°C)	Air Velocity (m/s)	Air Change per hour (ACH)
1	1 ppm	1.5	0.041	0.009	57	22.8	0.08	10
2	3 ppm	0.9	0.007	0.0014	55	21.7	0.08	12
3	5 ppm	0.3	0.001	0.002	60	20.2	0.09	11
4	7 ppm	0.01	0.0003	0.0003	59	21.5	0.08	12