Impacts of sand and dust storms on agriculture and potential agricultural applications of a SDSWS

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#	Paper	IF	Citations
38	Unusual Sydney dust storm and its mineralogical and organic characteristics. *Environmental Chemistry*, **2012**, 9, 537	3.2	26
37	The Global Dispersion of Pathogenic Microorganisms by Dust Storms and Its Relevance to Agriculture. *Advances in Agronomy*, **2014**, 127, 1-41	7.7	39
36	Dust effect on photovoltaic utilization in Iraq: Review article. *Renewable and Sustainable Energy Reviews*, **2014**, 37, 734-749	16.2	73
35	Aerosols optical and physical characteristics and direct radiative forcing during a shamal dust storm, a case study. *Atmospheric Chemistry and Physics*, **2014**, 14, 3751-3769	6.8	31
34	The MACC-II 2007–2008 reanalysis: atmospheric dust evaluation and characterization over northern Africa and the Middle East. *Atmospheric Chemistry and Physics*, **2015**, 15, 3991-4024	6.8	64
33	Temporal change of PM10 and its mass fraction during a dust storm in September 2009 in Australia. *Air Quality, Atmosphere and Health*, **2015**, 8, 483-494	5.6	4
32	An empirical equation to estimate mineral dust concentrations from visibility observations in Northern Africa. *Aeolian Research*, **2015**, 16, 55-68	3.9	22
31	Isolation and submerged culture biomass production of the arid land cyanobacteria Microcoleus spp., an investigation on its utilization for biological soil crust restoration. *Environmental Earth Sciences*, **2016**, 75, 1	2.9	5
30	High-resolution dust modelling over complex terrains in West Asia. *Aeolian Research*, **2016**, 23, 37-50	3.9	17
29	Atmospheric Stressors: Challenges and Coping Strategies. **2017**, 9-50		11
28	Intelligent Signal Processing for Dust Storm Prediction Using Ensemble Case-Based Reasoning. **2017**,		1
27	Influence of Photochemical Reactions on the Content and Transformation of Mineral Nitrogen in Sod-Podzol Soil. *Key Engineering Materials*, **2018**, 781, 195-199	0.4	
26	Regions of influence and environmental effects of Santa Ana wind event. *Air Quality, Atmosphere and Health*, **2019**, 12, 1019-1034	5.6	4
25	Effects of Extreme Dust Storm in Agricultural Areas (Poland, the Greater Lowland). *Geosciences (Switzerland)*, **2019**, 9, 106	2.7	4
24	The WMO SDS-WAS Regional Center for Northern Africa, Middle East and Europe. *E3S Web of Conferences*, **2019**, 99, 04008	0.5	4
23	Near-surface soil stabilization by enzyme-induced carbonate precipitation for fugitive dust suppression. *Acta Geotechnica*, **2020**, 15, 1967-1980	4.9	14
22	Properties of dust source material and volcanic ash in Iceland. *Sedimentology*, **2020**, 67, 3067	3.3	7

21	Dust Deposition on the Gulf of California Caused by Santa Ana Winds. *Atmosphere*, **2020**, 11, 275	2.7	2
20	ModIs Dust AeroSol (MIDAS): a global fine-resolution dust optical depth data set. *Atmospheric Measurement Techniques*, **2021**, 14, 309-334	4	20
19	Investigation of Aeolian Dust Deposition Rates in Different Climate Zones of Southwestern Iran. *Atmosphere*, **2021**, 12, 229	2.7	4
18	Wind erosion control using carboxymethyl cellulose: From sand bombardment performance to microfabric analysis. *Aeolian Research*, **2021**, 50, 100696	3.9	2
17	Spatial and temporal variability in dust storms in the Middle East, 2002–2018: three case studies in July 2009. *Arabian Journal of Geosciences*, **2021**, 14, 1	1.8	5
16	Environmental Factors that Influence the Geography of Yemen Leading to Dust and Sand Storms - A Case Study. *Journal of Environmental Geography*, **2021**, 14, 24-37	0.7	1
15	Dust pollution caused by an extreme Santa Ana wind event. *Natural Hazards*, 1	3	1
14	Aerosols optical and physical characteristics and direct radiative forcing during a "Shamal" dust storm, a case study.		4
13	The MACC-II 2007–2008 reanalysis: atmospheric dust evaluation and characterization over Northern Africa and Middle East.		5
12	The climatology of dust aerosol over the arabian peninsula.		28
11	Climate Change Implications and Use of Early Warning Systems for Global Dust Storms. **2014**, 153-165		
10	Predicting Dust Storms Using Hybrid Intelligence System. *Lecture Notes in Computer Science*, **2017**, 338-351	0.9	
9	Ortado Toz Kaynaklarn Tespiti ve Fırat-Dicle Nehir Havzası (Suriye-Irak) Tarım Alanları Üzerindeki Etkisinin Değerlendirilmesi. *Doğal Afetler Ve Çevre Dergisi*, 70-81	1	
8	Quantification of the dust optical depth across spatiotemporal scales with the MIDAS global dataset (2003–2017). *Atmospheric Chemistry and Physics*, **2022**, 22, 3553-3578	6.8	2
7	An extensive dust storm impact on air quality on 22 November 2018 in Sydney, Australia, using satellite remote sensing and ground data.. *Environmental Monitoring and Assessment*, **2022**, 194, 432	3.1	1
6	A Case Analysis of Dust Weather and Prediction of PM10 Concentration Based on Machine Learning at the Tibetan Plateau. *Atmosphere*, **2022**, 13, 897	2.7	1
5	Improved salinity and dust stress tolerance in the desert halophyte Haloxylon aphyllum by halotolerant plant growth-promoting rhizobacteria. 13,		0
4	Investigation of Two Severe Shamal Dust Storms and the Highest Dust Frequencies in the South and Southwest of Iran. **2022**, 13, 1990		0

3	The impact of using assimilated Aeolus wind data on regional WRF-Chem dust simulations. **2023**, 23, 4391-4417	0
2	The Great Green Wall Initiatives and Opportunities for Integration of Dryland Agroforestry to Mitigate Desertification. **2023**, 175-206	0
1	Assessment of a revised dust prediction model for Mildura, Australia.	0