## **Characteristics of Major Aerosol Source Regions over East Asia**

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The East-Asian region, especially the arid and semi-arid areas of China and parts of Mongolia are considered as major source of dust particles that travel to other Asian countries and also reach other continents. Such events are known to have serious implications on health, environment, and climate. In addition to the dust, several investigations have revealed the production and transport of smoke, pollution etc., from these regions with the downwind. The objective of this work is to identify major aerosol source regions over the East Asian region using seven years of MODIS Aqua and Terra aerosol products. The Angstrom Exponent values from MODIS as well as the meteorological parameters from NCEP/NCAR reanalysis data over the identified source regions are analyzed to understand the yearly trends of the aerosol characteristics in different seasons and their relationship with regional climate.

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