

Tadeusz E. Kleindienst, Research Physical Scientist, in EPA's National Exposure Research Laboratory

Exposure Methods and Measurements Division

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Area of Expertise: Currently, Tadeusz is serving as the Acting Associate Director of Atmospheric Sciences providing leadership and guidance in atmospheric sciences. His research interests are in the study of the formation and removal of gas and aerosol-phase constituents important in ozone, air toxics, and particulate matter chemistry. Physical and chemical parameters for important process are examined experimentally under highly controlled conditions. The results of the laboratory studies are then applied to describe and predict pollution formed in ambient atmospheres using air quality models, such as the Community Multi-scale Air Quality (CMAQ) model.

Select Publications:

Shalamzari, M., R. Vermeylen, F. Blockhuys, Tad Kleindienst, M. Lewandowski, R. Szmigielski, K. Rudzinski, G. Spolnik, W. Danikiewicz, W. Maenhaut, AND M. Claeys. Characterization of polar organosulfates in secondary organic aerosol from the unsaturated aldehydes 2-E-pentenal, 2-E-hexenal, and 3-Z-hexenal. *Atmospheric Chemistry and Physics*. Copernicus Publications, Katlenburg-Lindau, Germany, 16:7135-7148, (2016).

Jaoui, M., M. Lewandowski, K. Docherty, E. Corse, B. Lonneman, J. Offenber, AND Tad Kleindienst. Photooxidation of farnesene mixtures in the presence of NO_x: Analysis of reaction products and their implication to ambient PM_{2.5}. *ATMOSPHERIC ENVIRONMENT*. Elsevier Science Ltd, New York, NY, 130:190-201, (2016).

Yahya, K., K. Wang, Y. Zhang, AND Tad Kleindienst. Application of WRF/Chem over the Continental U.S. under the AQMEII Phase II: Part 2. Evaluation of 2010 Application and Responses of Air Quality and Meteorology-Chemistry Interactions to Changes in Emissions and Meteorology from 2006 to 2010. *ATMOSPHERIC ENVIRONMENT*. Elsevier Science Ltd, New York, NY, 8(2015):2095-2117, (2015).

View more research publications by [Tadeusz Kleindienst](#).

Education:

- Ph.D., Physical Chemistry, Indiana University, 1977
- B.A., Chemistry, University of California, 1972

Professional Experience:

- Acting Associate Division Director for Atmospheric Sciences, USEPA, ORD, NERL-HEASD, 2012-present
- Research Physical Scientist, USEPA, ORD, NERL-HEASD, PMRB, 2002-2012
- Principal Scientist for Atmospheric Chemistry, ManTech Environmental Sciences, Inc., 1988-2002
- Research Scientist, Northrop Services, Inc. – Environmental Sciences, 1983-1988
- Assistant Research Chemist, University of California, Riverside, 1980-1982
- Postdoctoral Fellow, California State University, Fullerton, 1977-1980