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Education

Ph.D. Astrophysical, Planetary and Atmospheric Science (APAS)	University of Colorado at Boulder Dissertation : “Modeling optical properties of nonspher- ical soil-derived dust particles for remote sensing appli- cations” Fulfilled requirements for M.S. in Atmospheric Science.	2002
Remote Sensing Certificate	University of Colorado at Boulder Advanced courses in Remote Sensing: Aerospace Engineering and Geology Departments	2001
M.S., Physics	University of Colorado at Boulder Master’s exam. Solid State Physics	1997
B.S., Physics	Kazakh State National University, Almaty, Kazakhstan Soviet State Review Exam in General and Theoretical Physics, Score: 5/5. GPA 4.97/5.00.	1994

Academic and Professional Work History

Scientist 4	Jet Propulsion Laboratory	Oct.2010–present
Scientist 3	Jet Propulsion Laboratory	Oct.2004–Oct. 2010
Post Doctorate	National Research Council at NASA/JPL	Sep.2002–Sep.2004
Scientist	LightPointe Communications, Boulder CO	May – Sep.2002
Research Assistant	University of Colorado, Atmospheric Science	Aug.1997–May 2002
Consultant	LightPointe Communications, Boulder CO	Jan.2000–May 2002
Summer Researcher	NASA-Ames Research Center, Moffett Field, CA	July 1999
Research Assistant	University of Colorado at Boulder, Physics	1995–1997
Teaching Assistant	University of Colorado at Boulder, Physics	1994–1997

Current Research Interests

Atmospheric Radiative Transfer
 Mineral dust optics
 Light Scattering Theory
 Global Aerosol Trends

Aerosol Remote Sensing
 Aerosol Climate Effects
 Radiative forcing of Aerosols and Clouds
 Dimming/brightning phenomena

Programming Experience

Fortran 77 and 90, Python, Perl, Mathematica, Matlab, IDL
 MISR software tools, DDA, T-matrix, DISORT, MODTRAN
 Unix (Sun, SGI), Linux, Windows, MAC OS

Grants, Awards and Fellowships

JPL Team Award (for critical scientific contribution to highly competitive proposals)	September, 2012
JPL Mariner Award (In recognition of extensive collaborations with the atmospheric science community in analyzing and studying MISR aerosol data)	August, 2009
MISR Science and Data System Team Award (For the successful design, implementation, and delivery of the initial linux version of the data processing software system)	July, 2009
NASA Supplemental Educational Award (PI), Dust aerosol protocol development for GLOBE worldwide hands-on school-based science and education program, 45K for 3 years	2009-2011
FEASIBILITY Studies NASA Award (Co-I), Environmental factors and population dynamics as determinants of meningococcal meningitis epidemics in the Sahel: an investigation of NASA and NOAA products, 15K to JPL (to Co-I)	2010
MAP (Modeling, Analysis & Prediction) NASA Award (PI), Improving dust emission, transport and direct radiative forcing by combined MISR/MODIS observations and transport model predictions, 356.3K for 3 years	2009-2011
New Investigator NASA award (PI), Characterization of African Dust Emission and Transport by EOS Satellite Observations and NAAPS Model Predictions, 339.8K for 3 years	2008-2010
Zeldovich Award 2006 for COSPAR Commission A ("Space Studies of the Earth's Surface, Meteorology and Climate")	May, 2006
National Research Council (NRC) fellowship, NASA/JPL	May, 2002
University of Colorado Graduate School Travel Grant	July 2000
First Prize in Student Poster Session, CEDAR Workshop	July 1999

Professional Service

COSPAR Sub-Commission A1, Atmosphere, Vice-Chair	2012–2016
JPL representative for Pan-American Dust Center (2012)	
Science lead of GLOBE (Global Learning and Observation to Benefit the Environment) dust protocol (2008-present)	
Developer of Atmospheric dust module for UCAR COMET program	March, 2012
Selected as applied science representative from JPL for NASA Glory mission	January 2011
Supervisor of students at JPL	2007-present
Reviewer for AGU, AMS and EGU (ACP and AMT) journals and NASA proposals	2002-present
Participant at NASA Proposal Review Panels	2008-present
Lead scientist for series of Dust Aerosol Educator symposiums	2008-2012
Chair of a session- Second International Dust Workshop in Paris, France	2003
Invited speaker at NRL, NASA-Goddard, UC-Irvine, Caltech, Georgia Tech	2004-present
Member of AGU, AMS, SPIE	

Publications

Journal Articles

- Ceccato P., S. Trzaska, C. Perez, **O. Kalashnikova**, J. del Corral, R. Cousin, M. B. Blumenthal, and M. C. Thomson, Improving Decision-Making Activities for Meningitis and Malaria, submitted for publication in a special issue of Geocarto International on NASA Earth Science Satellite Data for Applications to Public Health.
- Guo Y., B. Tian, R. A. Kahn, **O. V. Kalashnikova**, S. Wong, D. Waliser, Tropical Atlantic Dust and Smoke Aerosol Variabilities related to the Madden-Julian Oscillation in MODIS and MISR Observations, *JGR*, submitted May 8, 2012
- Yang W., A. Marshak, T. Varnai, **O. Kalashnikova**, and A. Kostinski, CALIPSO observations of transatlantic dust: vertical stratification and effect of clouds, *ACP*, 12, 12051-12080, doi:10.5194/acpd-12-12051-2012, 2012;
<http://www.atmos-chem-phys-discuss.net/12/12051/2012/acpd-12-12051-2012.html>
- Carboni E. et al., Desert dust satellite retrieval intercomparison, *ATMD*, amt-2011-192,2012
<http://www.atmos-meas-tech-discuss.net/5/691/2012/amtd-5-691-2012-discussion.html>
- Alston E. J., I. N. Sokolik, and **O. V. Kalashnikova**, Seasonal and interannual variability of atmospheric aerosols in the U. S. Southeast from ground and space based measurements over the past decade, *AMTD*, 2012
<http://www.atmos-meas-tech-discuss.net/4/7559/2011/amtd-4-7559-2011.html>
- Kalashnikova O. V.**, M. J. Garay, A. B. Davis, D. J. Diner, and J.V. Martonchik (2011), Sensitivity of multi-angle photo-polarimetry to vertical layering and mixing of absorbing aerosols: Quantifying measurement uncertainties, *Journal of Quantitative Spectroscopy and Radiative Transfer*, Volume 112, Issue 13, Pages 2149-2163, 10.1016/j.jqsrt.2011.05.010.
- Hansell Jr., R. A., Reid, J. S., Tsay, S. C., Roush, T. L., and **Kalashnikova, O. V.** (2011), A sensitivity study on the effects of particle chemistry, asphericity and size on the mass extinction efficiency of mineral dust in the earth's atmosphere: from the near to thermal IR, *Atmos. Chem. Phys.*, 11, 1527-1547, doi:10.5194/acp-11-1527-2011.
- Kishcha, P., B. Starobinets, **O.V. Kalashnikova**, and P. Alpert (2011), The Effect of Urbanization on AOT and Solar Dimming over the Indian Subcontinent based on Satellite Data, *Journal of Remote Sensing*, Vol. 32, Iss. 24, 2011, DOI:10.1080/01431161.2010.550333
- Kishcha, P., B. Starobinets, **O. Kalashnikova**, C.N. Long, and P. Alpert (2009), Variations of Meridional Aerosol Distribution and Solar Dimming, *J. Geophys. Res.*, doi:10.1029/2008JD010975.
- Kalashnikova O. V.**, R. A. Kahn (2008), Mineral dust plume evolution over the Atlantic from MISR and MODIS aerosol retrievals, *J. Geophys. Res.*, 113, D24204, doi:10.1029/2008JD010083.
- Kalashnikova O. V.**, F. P.Mills, A. Eldering, D. Anderson (2006), Application of satellite and ground-based data to investigate the UV radiative effects of Australian aerosols, *Remote Sensing of Environment*, 107, 65-80
- Kalashnikova, O. V.**, and R. Kahn (2006), Ability of multiangle remote sensing observations to identify and distinguish mineral dust types: Sensitivity over dark water, *J. Geophys. Res.*, 111, D11207, doi:10.1029/2005JD006756.

- Kalashnikova O. V.**, R. Kahn, I.N. Sokolik and W.-H Li (2005), The ability of multi-angle remote sensing observations to identify and distinguish mineral dust types: Optical models and retrievals of optically thick plumes, *JGR*, VOL. 110, D18S14, doi:10.1029/2004JD004550, 2005
- Kahn R. *et al.* (2004), Environmental Snapshots From ACE-Asia, *JGR*, VOL. 109, D19S14, doi: 10.1029/ 2003JD004339
- Kalashnikova O. V.** and I. N. Sokolik (2004), Modeling the radiative properties of nonspherical soil-derived mineral aerosols, *JQSRT*, Vol 87/2. pp 137-166
- Kalashnikova O. V.** and I. N. Sokolik (2002), Importance of shapes and compositions of wind-blown dust particles for remote sensing at solar wavelengths, *GRL*, 29, N. 10, 10.1029/2002GL014947
- Kalashnikova O. V.**, M. Horanyi, G. E. Thomas, and O. B. Toon (2000), Meteoric smoke production in the atmosphere,” *GRL*, 27(20): 3293–3296.

Refereed Papers

- Kalashnikova O. V.**, M. J. Garay, R. A. Kahn, D. J. Diner, J. V. Martonchik, Capabilities of MISR aerosol retrievals in dust-laden conditions, *Proceedings of the SPIE Europe Remote Sensing*, SPIE Remote Sensing 2011, Prague, 2011
- Kalashnikova O. V.**, M. J. Garay, A. B. Davis, D. J. Diner, J. V. Martonchik, Photo-polarimetric sensitivities to layering and mixing of absorbing aerosols, *Proceedings of the 13th Conference on Electromagnetic and Light Scattering*, AAPP, Volume 89, Supplement 1, September 2011
- Diner D. *et al.*, TEN YEARS OF MISR OBSERVATIONS FROM TERRA: LOOKING BACK, AHEAD, AND IN BETWEEN, *Proceeding of the IGARSS 2010 meeting*, July 2010
- Kalashnikova O. V.**, N. C. Hsu, R. Kahn, Capabilities and limitations of space-borne passive remote sensing of dust, *Proceeding of the 3d international dust workshop*, Leipzig, September 2008
- Kalashnikova O. V.**, F. P.Mills, A. Eldering, D. Anderson and R. Mitchell, The effects of smoke and dust aerosols on UV-B radiation in Australia from ground-based and satellite measurements, *Proceedings of the SPIE Optics & Photonics*, San Diego, CA, August 2005
- Kalashnikova O. V.**, D. J. Diner, R. Kahnn and B. Gaitley, Dust Aerosol Retrieval Results from MISR, *Proceedings of the SPIE International Asia-Pacific Symposium Remote Sensing of the Atmosphere, Environment, and Space*, Honolulu, Hawaii, November 2004.
- Diner D.J. *et al.*, Refinements to MISR radiometric calibration and implications for establishing a climate-quality aerosol observing system, *Proceedings of the SPIE International Asia-Pacific Symposium: Remote Sensing of the Atmosphere, Environment, and Space*, Honolulu, Hawaii, November 2004.
- Kalashnikova O.V.** and I. N. Sokolik, Polarization of light scattered by nonspherical mineral dust particles, *Proceedings of the NATO Advanced Study Institute on "Photopolarimetry in Remote Sensing*, Yalta, Ukraine, 20 September-3 October, 2003

Kalashnikova O. V., H. A. Willebrand and L. M. Mayhew, Wavelength and altitude dependence of laser beam propagation in dense fog, *Proceedings of the SPIE Conference, Photonics West, 2002*, San Jose, CA; January 2002

Kalashnikova O. V. and I. N. Sokolik, Modeling the scattering phase function of mineral dust for remote sensing applications, *Proceedings of the 6th Conference on Electromagnetic and Light Scattering by Nonspherical particles*, Gainesville, Florida; March 2002

Kalashnikova O.V., I. N. Sokolik, and James R. Anderson, Characterization of the optical properties of irregular mineral dust aggregates combining individual particle analysis and modeling, *Proceedings of the Millennium Symposium on Atmospheric Chemistry*, AMS, Albuquerque, NM; January 2001

Kalashnikova O. V. and I. N. Sokolik, Modeling optical properties of irregular mineral dust aggregates, *Proceedings of the 5th Conference on Electromagnetic and Light Scattering by Nonspherical particles*, Halifax, Nova Scotia, Canada; August 2000

Conference Abstracts and Presentations

Kalashnikova O. V., J. N. Lee, D. I. N. Sokolik, M. J. Garay, O. Torres, and M. de la Torre Jurez, MISR Perspective on Spatial and Temporal Variability in East Asian Deserts: Relation to Climate Factors (oral), AMS 92nd Annual Meeting, January 2012

Kahn R., et al, Informing Aerosol Transport Models With Satellite Multi-angle Aerosol Measurements, A52D-06, presented at 2011 Fall Meeting, AGU, San Francisco, Calif., 5-9 Dec

Lyapustin A; Yujie Wang; Nai-Yung C. Hsu; Omar Torres; Gregory G. Leptoukh; Olga V. Kalashnikova; Sergey Korkin, Comparative analysis of aerosol retrievals from MODIS, OMI and MISR over Sahara Region, A51E-04, presented at 2011 Fall Meeting, AGU, San Francisco, Calif., 5-9 Dec

Kalashnikova Olga V.; Michael J. Garay; Anthony B. Davis; Vijay Natraj; David J. Diner; Simone Tanelli; John V. Martonchik, Sensitivity of multiangle photo-polarimetry to absorbing aerosol vertical layering and properties: Quantifying measurement uncertainties for ACE requirements (oral), A43F-07, presented at 2011 Fall Meeting, AGU, San Francisco, Calif., 5-9 Dec

Kalashnikova O. V.; Michael J. Garay; Irina N. Sokolik; Ralph A. Kahn; Alexei Lyapustin; David J. Diner; Jae N. Lee; Omar Torres; Gregory G. Leptoukh; Manuel De La Torre Juarez, MISR decadal observations of mineral dust: property characterization, and climate applications (Invited), Abstract U14A-02, presented at 2011 Fall Meeting, AGU, San Francisco, Calif., 5-9 Dec

Sokolik I. N.; Viatcheslav Tatarskii; Xin Xi; Olga V. Kalashnikova Examining linkages between decadal changes in regional climate, land-cover and land-use, and dust emission in drylands in Central and East Asia, Abstract U11A-0015, presented at 2011 Fall Meeting, AGU, San Francisco, Calif., 5-9 Dec

Kalashnikova O. V., MISR decadal aerosol observations (invited), The Third Santa Fe Conference on Global and Regional Climate Variability, October 31-November 4, 2011

- Kalashnikova O.V., M. J. Garay, A. B. Davis, D. J. Diner, J. V. Martonchik, Photo-polarimetric sensitivities to layering and mixing of absorbing aerosols. (oral), ELS 13, Taormina, Italy, September 2011
- Kalashnikova O. V., MISR decadal observations of mineral dust: optical modeling, property characterization, and climate applications (invited), Workshop on "Observations and modeling of aerosol and clouds properties for climate studies ", Paris, September 2011
- Kalashnikova O.V., M. J. Garay; I. N. Sokolik; D. J. Diner; R. A. Kahn; J. V. Martonchik; J. N. Lee; O. Torres; W. Yang; A. Marshak; S. Kassabian; M. Chodas, Capabilities and limitations of MISR aerosol products in dust-laden regions (oral), SPIE Remote Sensing 2011, Prague, CR, September 2011
- Kalashnikova O. V. M. Garay, I. Sokolik, R. Kahn, O. Torres, MISR observations in and near the dust source regions: 10-year analysis of aerosol properties and plume heights (oral, presented by A. Lyapustin), IUGG 2011, Melbourne, Australia, June 2011.
- Kalashnikova O.V, M. J. Garay, R. A. Kahn, I. N. Sokolik, and O. Torres, Analysis of MISR 10-year aerosol products in dust-laden conditions (oral), Geophysical Research Abstracts, Vol. 13, EGU2011-2876-1, 2011, EGU General Assembly 2011
- Kalashnikova O.V., I. N. Sokolik, M. J. Garay, O. Torres and D. Wu, East Asian dust climatology as seen by MISR, MODIS, and OMI: similarities, differences, and implications to climate models, Abstract A14C-07 presented at 2010 Fall Meeting (oral), AGU, San Francisco, Calif., 13-17 Dec
- Lee J .N, Wu, D. L, Kalashnikova, O V, Interannual Variations of MISR Cloud and Aerosol: Responses to ENSO, Abstract A33A-0135 presented at 2010 Fall Meeting, AGU, San Francisco, Calif., 13-17 Dec.
- Kassabian S, Kalashnikova O. V., Garay, M. J., Bodl dust plume height/wind climatology derived from 10 years of MISR stereo data, Abstract A13E-0271 presented at 2010 Fall Meeting, AGU, San Francisco, Calif., 13-17 Dec.
- Kalashnikova O.V., I. N. Sokolik, M. J. Garay, R. A. Kahn, D. J. Diner, Analysis of MISR 10-year aerosol products in East Asia and the North Pacific in dust-laden conditions, MISR meeting 2010, Pasadena
- Martonchik, J V et al., Performance Improvements To the MISR Global Aerosol Product Algorithm, Abstract A11E-0098 presented at 2010 Fall Meeting, AGU, San Francisco, Calif., 13-17 Dec.
- Kalashnikova O.V, A. B. Davis, M. J. Garay, D. J. Diner and J. V. Martonchik, Polarization sensitivity to Dust Vertical Distribution: quantifying measurement uncertainties, NASA Advance study institute, Kiev, September 2010
- Kalashnikova O. V. et al., East Asian dust climatology as seen by MISR, MODIS, and OMI: similarities, differences, and implications to climate models, A-train symposium, New Orleans, October 25-28, 2010
- Kalashnikova O.V., I.N. Sokolik, M. J. Garay and D. Wu, MISR observations in dust source regions: 10-year analysis of aerosol properties and plume heights, COSPAR meeting, Brest, July 2010

- Kalashnikova O. V., M. J. Garay; I. N. Sokolik; and A. Davis, Investigation the effects of realistic dust pollution mixtures on degree on linear polarization, AMS Radiation simposium, Portlant, July 2010
- Kalashnikova O. V., I. N. Sokolik; M. J. Garay; D. L. Wu, Properties and transport of Asian dust from 10 years of MISR data (2009), Eos Trans. AGU, 90(52), Fall Meet. Suppl., Abstract U33B-0067.
- D. J. Diner; T. Ackerman; A. J. Braverman; C. Bruegge; M. J. Chopping; E. E. Clothiaux; R. Davies; L. Di Girolamo; R. A. Kahn; Y. Knyazikhin; Y. Liu; R. Marchand; J. V. Martonchik; J. Muller; A. W. Nolin; B. Pinty; M. M. Verstraete; D. L. Wu; M. J. Garay; O. V. Kalashnikova; A. B. Davis; E. Davis; R. A. Chipman (2009), MISR at 10: Looking back, ahead, and in between, Eos Trans. AGU, 90(52), Fall Meet. Suppl., Abstract U32A-04.
- Sokolik I. N., G. Boer; H. CHOI; A. S. Darmenov; O. V. Kalashnikova; D. Winker, Towards an integrated framework for characterizing mineral dust aerosol from multi-satellite, multi-sensor observations and regional transport model data (Invited), Eos Trans. AGU, 90(52), Fall Meet. Suppl., Abstract A14C-01.
- Kalashnikova O., and R. Kahn, Seasonal and inter-annual changes in dust storm occurrence and property evolution patterns as determined from satellite observations, Wilhelm und Else Heraeus-Stiftung aerosol seminar: Determination of Atmospheric Aerosol Properties using Satellite Measurements, INVITED, Physikzentrum Bad Honnef, Germany, August, 2009
- Kalashnikova, O., Assessment of EOS and A-Train Instrument Capabilities to Study Dust Properties, Panchromatic Retrieval Workshop, June 2009, California Institute of Technology, Pasadena, California
- Kahn R., and O. Kalashnikova, Mapping Dusty-region Aerosol Air Mass Types from Space, Geophysical Research Abstracts, Vol. 11, EGU2009-6136, 2009, EGU General Assembly 2009
- Kishcha P., B. Starobinets, O. Kalashnikova, C.N. Long, and P. Alpert, Variations of meridional aerosol distribution and solar dimming, Geophysical Research Abstracts, Vol. 11, EGU2009-1706, 2009, EGU General Assembly 2009
- Kalashnikova, O, Kahn, R, Chin, M, Zhang, J, Leptoukh, G, Mineral dust characterization over the North Atlantic/ Saharan desert regions from combined satellite aerosol retrievals and AERONET observations for transport model applications, Eos Trans. AGU, 89(53), 2008 Fall Meet. Suppl., Abstract A21G-08, 2008
- Norton, C D, Zuffada, C, Kalashnikova, O V, Decyk, V K, Challenges in Modernizing Legacy Scientific Software, Eos Trans. AGU, 89(53), 2008 Fall Meet. Suppl., Abstract IN11A-1016, 2008
- Braverman, A, Kalashnikova, O, Manipon, G, Paradise, S, Penner, J, Wilson, B, Xing, Z, Xu, L, The Aerosol Measurement and Processing System: New Capabilities and Results, Eos Trans. AGU, 89(53), 2008 Fall Meet. Suppl., Abstract A21G-01 INVITED, 2008
- Kalashnikova O. V. and R. Kahn, Capabilities and limitations of space-borne passive remote sensing of dust over the dark water, INVITED, Leipzig, September 2008

- Kalashnikova, O, Sokolik, I, Boer, G, Garay, M, The IR radiative signature of African dust and its evolution during Trans-Atlantic transport determined from collocated AIRS, MODIS and CALIPSO observations, *Eos Trans. AGU*, 89(23), 2008 Jt. Assem. Suppl., Abstract A33F-04, May 2008
- Kalashnikova O. , R. Kahn, M. Garay, J. Zhang, J. Reid, Mineral dust transport characterization over the Atlantic from combined satellite aerosol retrievals, *Geophysical Research Abstracts*, Vol. 10, EGU2008-A-11193, April 2008
- Ulanowski, Z. ; Kalashnikova, O.V. ; Lucas, P.W. ; Bercot, B., Radiative Properties of Aligned Atmospheric Mineral Dust, *Geophysical Research Abstracts*, Vol. 10, EGU2008-A-11296, 2008
- Kahn, R A, Chen, Y, Gaitley, B J, Garay, M, Kalashnikova, O, Lallart, P, Nelson, D, Yau, K, Strengths and Limitations of MISR Aerosol Products for Large-Scale, Long-Term Climate Studies, *Eos Trans. AGU*, 88(52), Fall Meet. Suppl., A24B-03, 2007
- Kalashnikova o.V., Kahn R.A., and D. Westphal, Mineral dust transport characterization from combined MISR/MODIS aerosol retrievals for NAAPS transport model validation, *Eos Trans. AGU*, 88(52), Fall Meet. Suppl., A23A-0868, 2007
- Kalashnikova O.V and R.A. Kahn, Characterization of mineral dust transport over Atlantic from combined MISR and MODIS measurements, MISR Science team meeting, Pasadena, CA, December 2007
- Kalashnikova O., and R. Kahn, Characterization of mineral dust plume evolution over the Atlantic, by combining MISR dark-water aerosol retrievals and NAAPS transport model predictions (presented by R. Kahn), Mineral Dust Cycle and its Impact on Clouds and Radiation (ICCP session), IUGG XXIV General Assembly, Perugia, Italy, July 2007
- Zuffada C., Kalashnikova, O., Elderling, A., Chuang, C., Penner, J., Diner, D., Xu, L., Characterization Of The Global Angstrom Exponent And Aerosol Optical Depth From MISR Observations And IMPACT Model Predictions., 2006 American Geophysical Union Fall Meeting, San Francisco, CA. December 2006
- Kalashnikova, O V., Kahn, R A., Reid, J S., Wilson, B D, Characterization of mineral dust plume evolution over Atlantic by combining MISR dark- water aerosol retrievals and NAAPS transport model predictions, 2006 American Geophysical Union Fall Meeting, San Francisco, CA. December 2006
- Braverman, A Kalashnikova, O., Penner, J., Xu, L., Chuang, C., Wilson, B., Rheingans, B., Cordner, D., Constraining IMPACT Biomass-burning Source Model Predictions with Level 2 Satellite Data Using the AMAPS Distributed Science Network, 2006 American Geophysical Union Fall Meeting, San Francisco, CA. December 2006
- Kalashnikova O.V, A. Elderling, C. Zuffada, D. J. Diner, C. Chuang, C. Atherton, D. Bergmann, J. Penner and M. Smyth, Improving climate prediction by combining MISR observations and IMPACT global model, International Workshop on Multiangular Measurements and Models, Sidney, Australia, March 2006.
- Kalashnikova O.V., F. P. Mills, A. Elderling, D. Anderson and R. Mitchell, Investigation of Australian aerosols effects on surface UV irradiance, NCAR Air quality workshop, Boulder, Colorado, February 2006.

- Kalashnikova O.V, A. Eldering, C. Zuffada, D. J. Diner, C. Chuang, C. Atherton, D. Bergmann, J. Penner and M. Smyth, Improving climate prediction by combining MISR observations and IMPACT global model, MISR Science team meeting, Pasadena, CA, December 2005
- Kalashnikova, O. V. and Kahn, R., Characterization of mineral dust properties from MISR dark-water aerosol retrievals, 2005 American Geophysical Union Fall Meeting, San Francisco, CA. December 2005
- Kalashnikova O.V., F. P. Mills, A. Eldering, D. Anderson and R. Mitchell, The effects of smoke and dust aerosols on UV-B radiation in Australia from ground-based and satellite measurements, SPIE Optics & Photonics, 31 July - 4 August 2005, San Diego, CA
- Kalashnikova O.V, R. A. Kahn, D. J. Diner, W-H Li and B. Gaitley, Measuring non-spherical air-born dust with multi-angle imaging, MISR Science team meeting, Pasadena, CA, December 2004
- Kalashnikova O.V., D. J. Diner, R. Kahn and B. Gaitley, Dust Aerosol Retrieval Results from MISR, Proceedings of the SPIE International Asia-Pacific Symposium Remote Sensing of the Atmosphere, Environment, and Space, Honolulu, Hawaii, November 2004.
- Kalashnikova, O. V. and Kahn, R., Mineral dust modeling and retrievals, MISR Science team meeting, Pasadena, CA, December 2003
- Kalashnikova, O. V., Kahn, R. and Sokolik, I.N., Retrieving mineral dust composition, size and shape (CSS) properties from multi-angle remote sensing observations, 2003 American Geophysical Union Fall Meeting, San Francisco, CA. December 2003
- Kalashnikova O.V. and I. N.Sokolik, Polarization of light scattered by nonspherical mineral dust particles, NATO Advanced Study Institute on Photopolarimetry in Remote Sensing, Yalta, Ukraine, 20 September- 3 October, 2003
- Kalashnikova, O., Kahn, R. and Sokolik, I.N., The capability of multi-angle and multi-channel remote sensing observations to distinguish mineral dust CSS (composition-shape-size) types, Second International Workshop on Mineral dust, Paris, France, September 10-12, 2003
- Kahn R., O. V. Kalashnikova, W-H Li , D McDonald, D Diner, J Martonchik, Pollution and mineral dust aerosol retrievals over dark water from MISR multi-angle satellite imaging, 2003 AGU Spring Meeting, Nice, France
- Sokolik I.N., Jie Xuan, and Olga V. Kalashnikova, Seasonal variation of the direct radiative forcing of Asian dust, AAAR, Oregon; October 2001
- Kalashnikova O.V. and I. N. Sokolik, Modeling of the scattering phase function of nonspherical dust particles for remote sensing applications,IAMAS, Innsbruck, Austria; July 2001
- Kalashnikova O.V., I. N. Sokolik, and J. R. Anderson, Characterization of the optical properties of irregular mineral dust aggregates combining individual particle analysis and modeling, Millennium Symposium on Atmospheric Chemistry, AMS, Albuquerque, NM; January 2001.
- Kalashnikova O.V. and I. N. Sokolik, Modeling optical properties of irregular mineral dust aggregates, 5th Conference on Electromagnetic and Light Scattering by Nonspherical particles, Halifax, Nova Scotia, Canada; August 2000.

Kalashnikova O.V., M. Horanyi, G.E. Thomas, and O.B. Toon., Cosmic dust smoke production in the Earth upper atmosphere, 2000 National Radio Science Meeting: Special Session on Meteor Physics and Chemistry, Boulder, CO.

Kalashnikova O.V., O.B. Toon, P. Hamell, H.C. Houben, Modeling the fallout of volcanic aerosol clouds from the stratosphere, 1999 AGU Fall Meeting, San Francisco, CA.

Siskind D. E., M.E. Summers, O. Kalashnikova, and M. Horanyi, Transport of meteoric smoke particles in the mesosphere, 1999 AGU Fall Meeting, San Francisco, CA.

Kalashnikova O.V., M. Horanyi, and G.E. Thomas, Interplanetary dust in the Earth atmosphere, CEDAR Workshop, Boulder, CO; June 1999.

Kalashnikova O.V., M. Horanyi, G.E. Thomas, and O.B. Toon, Reexamination of cosmic dust influx into the mesosphere, 1998 AGU Fall Meeting, San Francisco, CA.