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 Date of Birth: 13 September 1970 (Ankara, Turkey)

Employment

2015, 12 - Research Coordinator, Girne American University
 2015, 09 - Assistant Professor, Marine School, Girne American University
 2014, 10 - 2015, 09 Director of Trainings, TUBITAK MRC MI
 2013, 10 - 2015, 09 Director of Business Development and Commercialization, TUBITAK MRC MI
 2013, 06 - 2015, 09 Senior Research Scientist, TUBITAK MRC
 2007, 09 - 2013, 06 Research Scientist, TUBITAK MRC
 2000, 08 - 2007, 09 Researcher / Instructor, ALGE R&D Consulting
 1995, 05 - 2000, 08 Director of International Affairs, FilmPOP Film Distribution Company

Education

2010, PhD Institute of Environmental Sciences, Bogazici University, Istanbul, Turkey
 Thesis: Investigation of Tropospheric Aerosols by Multiwavelegth Mie-Raman Lidar
 (co-advisors: Prof. Dr. Miray Bekbolet and Prof. Dr. Kerim Allahverdi)
 1999, MSc Institute of Environmental Sciences, Bogazici University, Istanbul, Turkey
 Thesis: Biodiversity Analysis of Marine Demersal Invertebrates in the Prince's Islands Region
 (advisor: Prof. Dr. Andrzej Furman)
 1995, BA Bogazici University, Istanbul, Turkey, Department of Philosophy

Affiliations

2015 - Green Member, International Sustainable Development Research Society
 2013 - International Programming Committee, International Conference on Advanced Laser Technologies
 2012 Local Organizing Committee, Symposium Session Chairman, International Symposium on High Power Laser Systems and Applications, ISHPLA'12
 2011 - 2015 Principal Investigator, Representative of Turkey, European Aerosol Research Lidar Network
 2009 Local Organizing Committee, International Conference on Advanced Laser Technologies, ALT'09

Research Projects

2014 - Kas-Kekova Marine Protected Area Epinephelus, Dentex, Pagrus Populations Monitoring
 2014 - Vertical and Horizontal Distribution of Mineral Dust in the Atmospheric Column in the East Mediterranean
 2012 - 2015 FP7: Promoting and Improving Azerbaijan Research Collaboration with European Research Area PRIMA-ERA (Principal Investigator)
 2011 - 2013 Lasers and Laser Technologies
 2009 - 2012 Investigation of Structural and Optical Properties of Carbon Nanotubes and Materials Including Semiconductor Carbon Nanoparticles
 2008 - 2012 Development of Lidar for Advanced Technology Applications
 2007 - 2008 Restoration and Preservation Technology for Cultural Heritage
 2006 - 2007 Developing Efficient Memory Techniques Training
 2004 - 2005 Teaching Nature and Ecology to High IQ Children
 2000 - 2002 Developing Efficient Speed Reading Training
 1997 - 1999 Biodiversity Analysis of the Prince's Islands Region, Istanbul
 1996 - 1998 Investigation of the Molluscan Fauna of Bozcaada Island, Mediterranean
 1995 - 1999 The Effects of High Altitude Scuba Diving on Human Health

Book Chapter(s)

V. Amiridis, E. Marinou, S. Kazadzis, E. Gerasopoulos, R. E. Mamouri, P. Kokkalis, A. Papayannis, N. Kouremeti, E. Giannakaki, E. Liakakou, D. Paraskevopoulou, M. Gratsea, G. Kouvarakis, K. Allakhverdiev, M. F. Huseyinoglu, A. Secgin, D. Balis, A. F. Bais, N. Mihalopoulos, "Evaluation of CALIPSO's Aerosol Classification Scheme During the ACEMED Experimental Campaign Over Greece: The Case Study of 9th of September 2011" in "**Advances in Meteorology, Climatology and Atmospheric Physics**", C G. Helmig and P. T. Nastos (eds.), Springer (2012) doi: 10.1007/978-3-642-29172-2_121.

Peer Viewed Publications

S. Zahner, L. Kador, K. R. Allakhverdiev, E. Yu. Salaev, M. F. Huseyinoglu, "Fluorescence lifetime imaging microscopy and polar-plot analysis of gallium selenide crystals", **Journal of Applied Physics**, 115 (2014), 043504.

M. F. Huseyinoglu, S. R. Allakhverdiev, Z. Salaeva, A. Secgin, K. R. Allakhverdiev, "The possibility of using remote sensing technology of lidars for monitoring ecosystem health by detecting habitat condition", **Proceedings of SPIE** Vol. 8677 (2013) doi: 10.1117/12.2014217.

M. F. Huseyinoglu, Z. Salaeva, A. Secgin, K. R. Allakhverdiev, "Preliminary Results from the New Multiwavelength Aerosol Lidar Scanning System", **Proceedings of SPIE** Vol. 8677 (2013) doi: 10.1117/12.2014958.

I. Veselovskii, O. Dubovik, A. Kalgotin, M. Korenskiy, D. N. Whiteman, K. R. Allakhverdiev, M. F. Huseyinoglu, "Linear estimation of particle bulk parameters from multi-wavelength lidar measurements", **Atmospheric Measurement Techniques**, 5 (2012), 1135-1145.

A. Papayannis, R. E. Mamouri, P. Kokkalis, V. Amiridis, N. I. Kristiansen, A. Stohl, D. Balis, E. Giannakaki, D. Nicolae, G. Tsaknakis, L. Belegante, A. Nemuc, I. Veselovskii, M. Korenskiy, K. R. Allakhverdiev, M. F. Huseyinoglu, T. Baykara, "Optical properties and vertical extension of aged ash layers over the Eastern Mediterranean as observed by Raman lidars during the Eyjafjallajökull eruption in May 2010", **Atmospheric Environment**, 48 (2012), 56-65.

K. R. Allakhverdiev, T. K. Baykara, M. Bekbolet, M. F. Huseyinoglu, S. Ozbek, Z. Salaeva, A. Secgin, S. Vartapetov, I. Veselovskii, M. Korenskiy, "Preliminary Results from the New Multiwavelength Aerosol LIDAR in Turkey", **Fizika**, 16 (2009), 22-25.

K. R. Allakhverdiev, T. K. Baykara, A. Secgin, S. Ozbek, A. M. Ulubey, Z. Salaeva, M. F. Huseyinoglu, S. L. Druzhinin, K. A. Konovalov, V. Y. Shchagin, O.N. Smirnov, S. Yu. Strakhov, E. V. Perkina, "Compact Raman Spectrometer (CLS) for Active Test of Liquids and Solid Samples", **Fizika**, 16 (2009), 46-50.

Conference Publications and Reports

K. R. Allakhverdiev, M. F. Huseyinoglu, Z. Yu. Salaeva, "NLO spectroscopy of GaSe, GaS and InSe nanoparticles formed via laser ablation", Proceedings of the International Conference on Advanced Laser Technologies, Galway, Ireland, to be held between 12-16 September 2016.

Y. Arda and M. F. Huseyinoglu, "14 years of efforts for developing sustainable tourism: Pros and cons in Kas-Kekova Special Environmental Protected Area in Antalya, Turkey", Proceedings of the Annual Conference of International Sustainable Development Research Society, Lisbon, Portugal, to be held between 13-15 July 2016.

M. F. Huseyinoglu and K. R. Allakhverdiev, "Determination of the planetary boundary layer height by a scanning lidar", Proceedings of the International Conference on Advanced Laser Technologies, Faro, Portugal, September 7-11, 2015.

Y. Arda and M. F. Huseyinoglu "Developing sustainable tourism in Kas-Kekova specially protected area", Proceedings of the Annual Conference of International Sustainable Development Research Society, Geelong, Australia, 10-12 July 2015.

- M. F. Huseyinoglu and Y. Arda, "Review of Seafloor Habitat Mapping Technologies for Biodiversity Assessment", Proceedings of the Annual Conference of International Sustainable Development Research Society, Geelong, Australia, 10-12 July 2015.
- K. R. Allakhverdiev, S. Zahner, L. Kador, E. Salaev, M. F. Huseyinoglu, "Confocal Raman, PL and Fluorescence Lifetime Imaging Microscopy of Gallium Selenide Crystals – an Outstanding NLO Material", Proceedings of the International Conference on Advanced Laser Technologies, Cassis, France, October 6-10, 2014.
- M. F. Huseyinoglu, S. R. Allakhverdiev, K. R. Allakhverdiev, "A brief review on the potential of improving crop health using lidar technology", Proceedings of the International Conference on "Ways of Development of the Biotechnology in Turkmenistan", Ashgabat, Turkmenistan, November 20-21, 2013.
- K. R. Allakhverdiev, M. F. Huseyinoglu, A. Secgin, U. Cotuk, "Remote measurements of tropospheric aerosol distribution by a portable backscatter lidar", Proceedings of the International Conference on Advanced Laser Technologies, Budva, Montenegro, September 15-20, 2013.
- K. R. Allakhverdiev, S. Zahner, L. Kador, E. Yu. Salaev, M. F. Huseyinoglu, "Frequency-domain fluorescence lifetime microscopy (flim) and polar-plot analysis of gallium selenide", Proceedings of the International Conference on Advanced Laser Technologies, Budva, Montenegro, September 15-20, 2013.
- M. F. Huseyinoglu, "Materials in Unmanned Systems", 'Invited Talk' in Proceedings of the Unmanned Systems Conference, INSIS 2013, İstanbul, Turkey, June 1, 2013.
- K. Allahverdi, A. Secgin, M. F. Huseyinoglu, "Determination of Raman spectra of various food samples using a Portable Raman Spectrometer", Proceedings of the 4th International Congress on Food Safety, Istanbul, Turkey, May 14, 2013.
- M. F. Huseyinoglu, S. R. Allakhverdiev, Z. Salaeva, A. Secgin, K. R. Allakhverdiev, "The possibility of using remote sensing technology of lidars for monitoring ecosystem health by detecting habitat condition", Proceedings of the 19th International Symposium on High Power Laser Systems and Applications, Istanbul, Turkey, 10-14 September, 2012.
- M. F. Huseyinoglu, Z. Salaeva, A. Secgin, K. R. Allakhverdiev, "Preliminary Results from the New Multiwavelength Aerosol Lidar Scanning System", Proceedings of the 19th International Symposium on High Power Laser Systems and Applications, Istanbul, Turkey, 10-14 September, 2012.
- I. Veselovskii, D. N. Whiteman, A. M. Pashaev, K. R. Allakhverdiev, M. F. Huseyinoglu, "Potential of multiwavelength lidars for remote characterization of particle physical properties", Proceedings of the 19th International Symposium on High Power Laser Systems and Applications, ISHPLS&A 2012, Istanbul, Turkey, September 10-14, 2012.
- K. R. Allakhverdiev, M. F. Huseyinoglu, Z. Salaeva, A. Secgin, I. Veselovskii, M. Korenskiy, N. Volkov, "Two years operation of multiwavelength aerosol lidar in Turkey", Proceedings of the 26th International Laser Radar Conference, ILRC 2012, Port Heli, Greece, June 15-19, 2012.
- V. Amiridis, E. Marinou, S. Kazadzis, E. Gerasopoulos, R. E. Mamouri, P. Kokkalis, A. Papayannis, N. Kouremeti, E. Giannakaki, E. Liakakou, D. Paraskevopoulou, M. Gratsea, G. Kouvarakis, K. Allakhverdiev, M. F. Huseyinoglu, A. Secgin, D. Balis, A. F. Bais, N. Mihalopoulos, "Evaluation of CALIPSO's Aerosol Classification Scheme During the ACEMED Experimental Campaign Over Greece: The Case Study of 9th of September 2011", 11th International Conference on Meteorology, Climatology and Atmospheric Physics, Athens, 29 May – 1 June 2012.
- K. R. Allakhverdiev, T. Baykara, S. Ozbek, V. Gunay, A. Demirural, E. Gunay, Z. Allahverdi, M. F. Huseyinoglu, "Investigation of the structural and optical properties of new composite materials containing carbon nanotubes or semiconductor nanoparticles", Project Report, The Scientific and Technological Research Council of Turkey, Marmara Research Center, Materials Institute, September 2011.
- K. R. Allakhverdiev, M. F. Huseyinoglu, Z. Salaeva, A. Secgin, "Spatio-temporal distribution of tropospheric aerosols over Southeastern tip of Istanbul measured by Mie-Raman lidar", Proceedings of the 5th Workshop on Optoelectronic Techniques for Environmental Monitoring, OTEM 2011, Romania, Bucharest, September 28-30, 2011.

K. R. Allakhverdiev, M. F. Huseyinoglu, Z. Salaeva, A. Secgin, "The application of Nd:YAG laser and its second and third harmonics for the study of tropospheric particles", Proceedings of Advances in Applied Physics and Material Science Congress, APMAS'11, Antalya, Turkey, May 12-15, 2011.

I. Veselovskii, A. Kolgotin, M. Korenskiy, V. Gryaznov, D. N. Whiteman, K. R. Allakhverdiev, M. F. Huseyinoglu, N. Volkov, "Retrieval of time-sequences of particle parameters from multiwavelength lidar measurements using principle component analysis", Proceedings of the International Laser Radar Conference, ILRC'25, Sainkt Petersburg, Russia, July 5-9, 2010.

K. R. Allakhverdiev, T. K. Baykara, M. Bekbolet, M. F. Huseyinoglu, S. Ozbek, Z. Salaeva, S. Vartapedov, I. Veselovskii, "New multiwavelength Mie-Raman lidar in Turkey for aerosol studies", Proceedings of the International Conference on Advanced Laser Technologies, ALT'09, Antalya, Turkey, September 26-October 1, 2009.

K. R. Allakhverdiev, T. K. Baykara, A. Secgin, S. Ozbek, A. M. Ulubey, Z. Salaeva, M. F. Huseyinoglu, S. L. Druzhinin, K. A. Konovalov, V. Y. Shchagin, O.N. Smirnov, S. Yu. Strakhov, E. V. Perkina, "Compact Raman Spectrometer (CLS) for Active Test of Liquids and Solid Samples", Proceedings of the International Conference on Advanced Laser Technologies, ALT'09, Antalya, Turkey, September 26-October 1, 2009.

K. Allahverdi, T. Baykara, M. F. Huseyinoglu, A. Secgin, "Lidar", Turkish Journal of Science and Technology (Bilim ve Teknik Dergisi), 6 (2009), 72-75.

Professional Trainings and Certificates

2015	ArcGIS I & II, ESRI Turkey
2014	Laser Safety in Research & Development, Board of Laser Safety, USA
2014	Working at Height, TUBITAK MRC, Turkey
2013	First Aid Certificate, Ministry of Health, Turkey
2013	Overhead Crane Operator Certificate, Turkish Chamber of Mechanical Engineers, Turkey
2012	Approaches in Applied R&D, Turkish National Institute for Industrial Administration
2012	Aerosol Optical Depth Retrievals, Polish Academy of Sciences
2011	EARLINET Standards for Lidar Retrievals, National Technical University of Athens
2010	Scanning Lidar Applications and Retrievals Certificate, Russian Academy of Sciences
2010	Electronic Warfare Technology, Defense Industries and Technologies, Turkish Army
2010	Fluorescence Remote Sensing, TUBITAK MRC
2009	Lidar Data Processing Certificate, Russian Academy of Sciences
2009	Remote Sensing and Satellite Systems, Defense Industries and Technologies, Turkish Army
2009	Product Development Engineering Certificate Program, Turkish National Institute for Industrial Administration
2009	Laser Applications, Defense Industries and Technologies, Turkish Army
2008	Laser Safety Training, Vindat Venkatamanan, SPIE
2008	Institutional Development and Innovation, Turkish National Institute for Industrial Administration
2008	International Workshop on Photonics, Kocaeli University
2008	Multiwavelength Lidar Construction and Application Certificate, Russian Academy of Sciences
2008	Port Baseline Survey Certificate Program, The Regional Marine Pollution Emergency Response Centre for the Mediterranean Sea
2008	Project Management, Turkish National Institute for Industrial Administration
2008	Optics Summer School, Middle Eastern Technical University, Ankara
2007	Confocal Raman Spectroscopy, TUBITAK, MRC
2007	Optoelectronics, TUBITAK MRC
1997	Two Star Scuba Instructor, Confederation Mondial des Activite Subaquatique (CMAS)
1996	One Star Scuba Instructor, Confederation Mondial des Activite Subaquatique (CMAS)