DEPARTMENT OF CHEMICAL ENGINEERING – UNIVERSITY OF WESTERN MACEDONIA

Name and Surname:	Dimitrios Kaskaoutis	
Specialization/Position:	Physicist - Assistant Professor, Dept. of Chemical Engineering, UOWM	
Brief CV:	Dimitris Kaskaoutis is Assistant Professor at the Department of Chemical Engineering, University of Western Macedonia since August 2023. He holds a degree in Physics (Department of Physics at the National and Kapodistrian University of Athens, 2000), a master degree in Meteorology-Physics of Environment from the same University in 2002 and a PhD in Atmospheric Physics (University of Ioannina, 2009). He was for about 15 years collaborative research scientist at the Institute of Environmental Research and Sustainable Development (IERSD) at National Observatory of Athens (NOA). He served as visiting research faculty and Assistant Professor at Sharda University, India (2011) and at Shiv Nadar University, India (2013-2016). He has been working in Atmospheric Physics for about 20 years, mostly emphasizing on aerosol optical, physical and chemical properties over climatic sensitive areas, like the eastern Mediterranean, the Middle East and south Asia. His research interests focus on solar radiation transfer into the atmosphere (solar dimming and brightening phenomena), modification of solar spectrum due to aerosols, aerosol physical, chemical and optical properties, carbonaceous aerosols, aerosol climate implications (radiative forcing), meteorology, air pollution and health effects and natural hazards (i.e. dust storms, forest fires). He has published 175 research articles in international scientific journals, which have received more than 6300 citations by others (H-Index: 47; February 2024). He has participated at several national and international scientific projects, he was invited speaker at international Universities and research centers and he has served as reviewer in 117 scientific journals. Main achievement is the introduction of a new meteorology/climatology index, named Caspian Sea – Hindu Kush Index (CasHKI), which is strongly related to dust activity over the southwest Asia.	
Publications 2018-2023	1. **D.G. Kaskaoutis**, M. Pikridas, K. Barmpounis, G. Kassell, D. Logan, M. Rigler, M. Ivančič, K. Mohammadpour, N. Mihalopoulos, J. Lelieveld, J. Sciare, 2023. Aerosol characteristics and types in the marine environments surrounding the East Mediterranean - Middle East (EMME) region during the AQABA campaign. Atmos. Environment 298, 119633, https://doi.org/10.1016/j.atmosenv.2023.119633. 2. **D.G. Kaskaoutis**, G. Grivas, I. Stavroulas, A. Bougiatioti, E. Liakakou, U.C. Dumka, E. Gerasopoulos, N. Mihalopoulos, 2021. Apportionment of black and brown carbon spectral absorption sources in the urban environment of Athens, Greece, during winter. Science of the Total Environment, 801, 149739, https://doi.org/10.1016/j.scitotenv.2021.149739. 3. **D.G. Kaskaoutis**, G. Grivas, I. Stavroulas, E. Liakakou, U.C. Dumka, K. Dimitriou, E. Gerasopoulos, N. Mihalopoulos, 2021. In situ identification of aerosol types in Athens, Greece, based on long-term optical and on online chemical characterization. Atmospheric Environment, 246, 118070 https://doi.org/10.1016/j.atmosenv.2020.118070. 4. **D.G. Kaskaoutis**, U.C. Dumka, A. Rashki, B.E. Psiloglou, A. Gavriil, A. Mofidi, K. Petrinoli, D. Karagiannis, H.D. Kambezidis, 2019. Analysis of intense dust storms over the eastern Mediterranean in March 2018: Impact on radiative forcing and Athens air quality. Atmospheric Environment, 209, 23-39. 5. **D.G. Kaskaoutis**, E.E. Houssos, F. Minvielle, A. Rashki, I. Chiapello, U.C. Dumka, M. Legrand, 2018. Long-term variability and trends in the Caspian Sea – Hindu Kush Index: Influence on atmospheric circulation patterns, temperature and rainfall over the Middle East and southwest Asia. Global and Planetary Change, 169, 16-33.	
Distinctions:	1. Invited scientist and lecture at Jet Propulsion Laboratory, NASA, CA, USA [2010]. 2. Best Reviewer Award from the International Scientific Journal Atmospheric Research [2012]. 3. Certificate in Excellence in reviewing from the International scientific journal Global and Planetary Change [2013]. 4. Best paper Award for the year 2021 from the journal MDPI-Atmosphere for the paper entitled "Atmospheric Dynamics and Numerical Simulations of Six Frontal Dust Storms in the Middle East Region" [2023]	