CURRICULUM VITAE
and
List of Publications

DR. EMMANOUIL PROESTAKIS

2020

Contents

1. Curriculum Vitae 3
2.1. Summary of research interests and achievements 3
2.2. Personal Information 3
2.3. Contact Information 3
2.4. Education 3
2.5. Professional Positions 4
2.6. Research Experience 4
2.7. Scholarships 4
2.8. Reviewer in Journals 4
2.9. Participation in Scientific Groups 5
2.10. Conference Organization 5
2.11. International Conferences – Symposiums 5
2.12. Participation in Workshops 5
2.13. Participation in Networks 5
2.14. Teaching Activities 6
2.15. Participation in Research Projects and Experimental Campaigns 6
2.17.1. Research Projects 6
2.17.2. Experimental Campaigns 7
2. Publication Record 8
2.1. Overview 8
2.2. In Peer Reviewed Journals 8
2.3. In Conference Proceedings 10
2.4. Citations 13
2.5. Computer Skills 14
2.6. Languages 14

1. Curriculum Vitae

2.1. Summary of research interests and achievements

Emmanouil Proestakis (EP) graduated from the Applied Physics at the Applied Sciences Department of the National Technical University of Athens (NTUA) in 2011. He received his M.Sc. in the field of "Environmental Physics" from Institute of Environmental Physics (IUP) of the University of Bremen (Germany) in 2013. He acquired his PhD diploma from the Section of Applied Physics of the Physics Department University of Patras (Greece) in 2018. Since 2014 he has been contacting research at the Institute for Environmental Research and Sustainable Development (IERSD / 2014-2015) and the Institute for Astronomy, Astrophysics, Space Applications and Remote Sensing (IAASARS / 2015-precent day) of the National Observatory of Athens (NOA), focusing on the retrieval of atmospheric parameters using passive and active remote sensing techniques.

His main accomplishment is the development of global satellite-based climatology for aerosols, focusing on the vertical distribution of desert dust extinction and concentration, as well as the validation of the satellite-based lidar system CATS onboard the ISS. He has participated in 6 international and national projects and 3 experimental campaigns related to aerosol and cloud processes. He has 19 publications in peer review journals and 27 presentations in scientific conferences.

2.2. Personal Information

Name	Emmanouil Proestakis
Date and place of Birth:	27th of May, 1985, Mitilini (Lesvos), Greece
Gender:	Male
Citizenship:	Hellenic

2.3. Contact Information

Work address:	National Observatory of Athens (NOA), IAASARS I. Metaxa & Vas. Pavlou St., Penteli
Home address:	Grigoriou Lampraki 51, 15238, Chalandri, Athens, Greece
Tel.:	+30-210-8109220 *(office)* +30-6946209395 *(cell phone)*
Email:	proestakis@noa.gr
Web:	http://apcg.space.noa.gr

2.4. Education

05/2014-03/2018:	PhD in Environmental Physics Section of Applied Physics, Physics Department University of Patras, Greece.

	PhD Thesis: "Remote Sensing from space for depicting the aerosol connection with atmospheric electricity".
10/2011-08/2013:	MSc in Environmental Physics University of Bremen/ Institute of Environmental Physics (IUP), Bremen (Germany). Overall Grade: 1.7 (very good). MSc Thesis: "Terrestrial Plant Fluorescence Retrieval based on Satellite Instrumentation".
09/2003-03/2011:	Diploma in Applied Mathematical and Physical Sciences National Technical University of Athens - (NTUA) Athens (Greece). Focus on: Advanced Technology Materials, Optoelectronics and Lasers. Overall Grade: 6.96/10 (good). Graduation Project: "Energy consumption study of the main NTUA Physics Department building and suggestions for ameliorating its energy efficiency".

2.5. Professional Positions

07/2018-precent day:	Postdoctoral Researcher, Institute for Astronomy, Astrophysics, Space Applications and Remote Sensing (IAASARS).
11/2015-06/2018:	Scientific collaborator, Institute for Astronomy, Astrophysics, Space Applications and Remote Sensing (IAASARS).
06/2014-10/2015:	Scientific collaborator, Institute for Environmental Research and Sustainable Development (IERSD).
03/2012-08/2013:	Academic Assistant, Institute of Environmental Physics (IUP), Bremen (Germany).
11/2007-12/2007:	Traineeship, Foundation for Research and Technology (FORTH) Vassilika Vouton, Heraklion, Crete, Greece.

2.6. Research Experience

- Development of algorithms for space-borne and ground-based lidars.
- Thorough experience on processing satellite atmospheric data.

2.7. Scholarships

- 2016 – 2017: Educational grant for the PhD Research, A. G. Leventis Foundation, Greece.
- 2017: 'Travel Grant Award', 28st International Lidar and Radar Conference, Bucharest, Rumania.

2.8. Reviewer in Journals

- Atmospheric Chemistry and Physics (ACP) journal (Copernicus, European Geophysical Union, Impact Factor = 5.3)
- Atmospheric Measurement and Techniques (AMT) journal (Copernicus, European Geophysical Union, Impact Factor = 3)

- Atmospheric Research journal (Elsevier, Impact Factor = 3.8)
- Meteorology and Atmospheric Physics Journal (Impact Factor = 1.65)

.

2.9. Participation in Scientific Groups

- Member of the Atmospheric Physics and Chemistry Group (APCG, http://apcg.space.noa.gr) (2011 – 2018). The group activities are targeted towards understanding physical and chemical processes in the atmosphere, seizing the opportunity provided by the complex and vulnerable Mediterranean environment.
- Member of the ReACT/IAASARS group of NOA (2015-2019).

2.10. Conference Organization

- Member of the program committee of the 1st European Lidar conference, Thessaloniki, Greece, 3-5 July 2018.
- Member of the program committee of the 9th HyMeX workshop 21-25 September 2015, Mykonos, Greece.

2.11. International Conferences – Symposiums

Participated in 4 international conferences related to aerosol and cloud science and atmospheric remote sensing.

1. 13th International Conference on Meteorology, Thessaloniki, 19-21 September 2016.
2. 28th International Laser Radar Conference, Bucharest, Rumania, 25-30 June 2017.
3. 1st European Lidar Conference, Thessaloniki, Greece, 3-5 July 2018.
4. 29th International Laser Radar Conference, Hefei, China, 24-28 June 2019.

2.12. Participation in Workshops

Participated in 15 workshops related to aerosol & cloud science and atmospheric remote sensing.

1. ACTRIS-2 Second WP2 Workshop "Profiling of Aerosols and Clouds", Barcelona, Spain, 7-11 November 2016.
2. Seventh International EarthCARE Science Workshop in conjunction with the First ESA EarthCARE Validation Workshop, Bonn, Germany, 11 – 15 June 2018.

2.13. Participation in Networks

1. Associate researcher of the “European Aerosol Research Lidar Network” (EARLINET, European Union).

2. Associate researcher of the ACTRIS (Aerosols, Clouds, and Trace gases Research InfraStructure Network) infrastructure network (http://www.actris.net/, under EC-FR7). *EP participates on the efforts taken within ACTRIS in order to validate CATS lidar products using EARLINET collocated measurements as well as measurements from dedicated campaigns.*

2.14. Teaching Activities

- Transfer of know-how in satellite remote sensing technology and data exploitation from NOA-Greece to INOE-Romania in the framework of the ECARS Twinning programme (grant agreement No. 602014), to boost INOE's research capacity in the domain of atmospheric remote sensing and create a pole of excellence in East Europe (http://ecars.inoe.ro/index.php/project/).
- Teaching assistant for the Master of Science in Space Science Technologies and Applications (https://space.uop.gr/) organized by the University of Peloponnese and the National Observatory of Athens (2015-2019).
  Courses:
  1. Fundamentals of remote sensing
  2. Space Science Technology and Applications
  3. Advanced Space Application
- 1st Hellenic Association for Aerosol Research HAAR Summer School, 18-24th of May 2017 - Navarino Environmental Observatory, Greece.

2.15. Participation in Research Projects and Experimental Campaigns

Participation in 9 European research projects and 7 experimental campaigns related to aerosol and cloud processes.

2.17.1. Research Projects

- **Proteas II** project (Advanced satellite applications for the exploitation of the Earth and Universe). Responsible for the satellite data analysis.
- **EKAD^3** project (Creation in NOA a national center for collection, analysis and dissemination of satellite data for monitoring land, air and sea). Responsible for the development of algorithms for retrieving advanced products using the Polly-XT lidar data of NOA (2016 - 2017).
- **ECARS** EU project (*East European Centre for Atmospheric Remote Sensing*). Participated in the organization of the 2nd ECARS summer school for "Satellite Cal/Val Activities employing ground - based remote sensors" held at Agios Nikolaos and Finokalia, Crete (Greece) during 3 – 12 of April 2017.

- **DEDICATE** ESA project (*Development of a dual-channel Depolarization lidar technique for the derivation of CALIPSO/ Aeolus/ EarthCARE-related conversion factors*). Responsible for the data processing for the derivation of depolarization spectral dependence using CHARADMexp data, as well as for the consolidation of the depolarization spectral conversion factors to LIVAS database (2015 - 2016).
- **ACTRIS** EU Horizon 2020 project (Aerosols, Clouds, and Trace gases Research InfraStructure Network). Participate in lidar-related activities foreseen in the project. Responsible for the data acquisition of the Polly-XT lidar of NOA and the quality assured lidar products provided to the EARLINET partners and ACTRIS external users (2015 - 2018).
- **MarcoPolo** EU FP7 project (*Monitoring and Assessment of Regional air quality in China using space Observations, Project Of Long-term sino-european co-Operation*). *Participates on the development of aerosol 4D climatology over China using CALIPSO and EARLINET data to assess the contribution of pollution from anthropogenic and natural sources (2014 – 2015).*

2.17.2. Experimental Campaigns

- **PRE-TECT** experimental campaign in the framework of ACTRiS, focuses on desert dust microphysical characterization from remote sensing. Responsible for the data acquisition of the Polly-XT lidar (http://pre-tect.space.noa.gr/) (2017).
- **ClIMA** (*Evaluation of ground-based lidar methodologies for continuous profiling of Cloud condensation and Ice nuclei concentrations in the Mediterranean*) campaign funded by EUFAR, through the provision of 8 aircraft flight hours of the FA20 – DLR aircraft (http://pre-tect.space.noa.gr/news/3/) (2017).
- **ACTRIS JRA1** campaign (*Studying smog over the Athens metropolitan area*) (http://actris-athens.eu/). Responsible for the Polly-XT lidar measurements in Thiseio station and their data processing (12/2015 – 2/2016).

2. Publication Record

2.1. Overview

16 publications in peer-reviewed scientific journals, 27 in conference proceedings with reviewers, 1 in publishing process in peer-reviewed scientific journal.

2.2. In Peer Reviewed Journals

First-Author

1) **Proestakis, E.**, Amiridis, V., Marinou, E., Georgoulias, A. K., Solomos, S., Kazadzis, S., Chimot, J., Che, H., Alexandri, G., Binietoglou, I., Daskalopoulou, V., Kourtidis, K. A., de Leeuw, G., and van der A, R. J.: Nine-year spatial and temporal evolution of desert dust aerosols over South and East Asia as revealed by CALIOP, Atmos. Chem. Phys., 18, 1337-1362, https://doi.org/10.5194/acp-18-1337-2018, 2018.
2) **Proestakis, E.**, S. Kazadzis, K. Lagouvardos, V. Kotroni, V. Amiridis, E. Marinou, C. Price, and A. Kazantzidis. 2016. "Aerosols and Lightning Activity: The Effect of Vertical Profile and Aerosol Type." Atmospheric Research 182 (December):243–55. https://doi.org/10.1016/j.atmosres.2016.07.031.
3) **Proestakis, E.**, S. Kazadzis, K. Lagouvardos, V. Kotroni, and A. Kazantzidis. 2016. "Lightning Activity and Aerosols in the Mediterranean Region." Atmospheric Research 170 (March):66–75. https://doi.org/10.1016/j.atmosres.2015.11.010.
4) **Proestakis, E.**, Amiridis, V., Marinou, E., Binietoglou, I., Ansmann, A., Wandinger, U., Hofer, J., Yorks, J., Nowottnick, E., Makhmudov, A., Papayannis, A., Pietruczuk, A., Gialitaki, A., Apituley, A., Szkop, A., Muñoz Porcar, C., Bortoli, D., Dionisi, D., Althausen, D., Mamali, D., Balis, D., Nicolae, D., Tetoni, E., Liberti, G. L., Baars, H., Mattis, I., Stachlewska, I. S., Voudouri, K. A., Mona, L., Mylonaki, M., Perrone, M. R., Costa, M. J., Sicard, M., Papagiannopoulos, N., Siomos, N., Burlizzi, P., Pauly, R., Engelmann, R., Abdullaev, S. and Pappalardo, G.: EARLINET evaluation of the CATS Level 2 aerosol backscatter coefficient product, Atmospheric Chemistry and Physics, 19(18), 11743–11764, doi:https://doi.org/10.5194/acp-19-11743-2019, 2019.

Co-Author (collaboration)

5) Amiridis, V., Marinou, E., Tsekeri, A., Wandinger, U., Schwarz, A., Giannakaki, E., Mamouri, R., Kokkalis, P., Binietoglou, I., Solomos, S., Herekakis, T., Kazadzis, S., Gerasopoulos, E., **Proestakis, E.**, Kottas, M., Balis, D., Papayannis, A., Kontoes, C., Kourtidis, K., Papagiannopoulos, N., Mona, L., Pappalardo, G., Le Rille, O. and Ansmann, A.: LIVAS: a 3-D multi-wavelength aerosol/cloud database based on CALIPSO and EARLINET, Atmos. Chem. Phys., 15(13), 7127–7153, doi:10.5194/acp-15-7127-2015, 2015.
6) Chimot, J., Veefkind, J. P., Vlemmix, T., de Haan, J. F., Amiridis, V., **Proestakis, E.**, Marinou, E. and Levelt, P. F.: An exploratory study on the aerosol height retrieval from OMI measurements of the 477 nm O-2-O-2 spectral band using a neural network approach, Atmos. Meas. Tech., 10(3), 783–809, doi:10.5194/amt-10-783-2017, 2017.

7) Konsta, D., Binietoglou, I., Gkikas, A., Solomos, S., Marinou, E., **Proestakis, E.**, Basart, S., Perez Garcia-Pando, C., El-Askary, H. and Amiridis, V.: Evaluation of the BSC-DREAM8b regional dust model using the 3D LIVAS-CALIPSO product, Atmos. Environ., 195, 46–62, doi:10.1016/j.atmosenv.2018.09.047, 2018.
8) Kosmopoulos, P. G., Kazadzis, S., Taylor, M., Athanasopoulou, E., Speyer, O., Raptis, P. I., Marinou, E., **Proestakis, E.**, Solomos, S., Gerasopoulos, E., Amiridis, V., Bais, A. and Kontoes, C.: Dust impact on surface solar irradiance assessed with model simulations, satellite observations and ground-based measurements, Atmos. Meas. Tech., 10(7), doi:10.5194/amt-10-2435-2017, 2017.
9) Kosmopoulos, P. G., Kazadzis, S., El-Askary, H., Taylor, M., Gkikas, A., **Proestakis, E.**, Kontoes, C. and El-Khayat, M. M.: Earth-Observation-Based Estimation and Forecasting of Particulate Matter Impact on Solar Energy in Egypt, Remote Sens., 10(12), 1870, doi:10.3390/rs10121870, 2018.
10) de Leeuw, G., Sogacheva, L., Rodriguez, E., Kourtidis, K., Georgoulias, A. K., Alexandri, G., Amiridis, V., **Proestakis, E.**, Marinou, E., Xue, Y. and van der A, R.: Two decades of satellite observations of AOD over mainland China using ATSR-2, AATSR and MODIS/Terra: data set evaluation and large-scale patterns, Atmos. Chem. Phys., 18(3), 1573–1592, doi:10.5194/acp-18-1573-2018, 2018.
11) Li, W., El-Askary, H., Qurban, M. A., **Proestakis, E.**, Garay, M. J., Kalashnikova, O. V., Amiridis, V., Gkikas, A., Marinou, E., Piechota, T. and Manikandan, K. P.: An Assessment of Atmospheric and Meteorological Factors Regulating Red Sea Phytoplankton Growth, Remote Sens., 10(5), 673, doi:10.3390/rs10050673, 2018.
12) Marinou, E., Amiridis, V., Binietoglou, I., Tsikerdekis, A., Solomos, S., **Proestakis, E.**, Konsta, D., Papagiannopoulos, N., Tsekeri, A., Vlastou, G., Zanis, P., Balis, D., Wandinger, U. and Ansmann, A.: Three-dimensional evolution of Saharan dust transport towards Europe based on a 9-year EARLINET-optimized CALIPSO dataset, Atmos. Chem. Phys., 17(9), 5893–5919, doi:10.5194/acp-17-5893-2017, 2017.
13) Sogacheva, L., de Leeuw, G., Rodriguez, E., Kolmonen, P., Georgoulias, A. K., Alexandri, G., Kourtidis, K., **Proestakis, E.**, Marinou, E., Amiridis, V., Xue, Y. and van der A, R. J.: Spatial and seasonal variations of aerosols over China from two decades of multi-satellite observations - Part 1: ATSR (1995-2011) and MODIS C6.1 (2000-2017), Atmos. Chem. Phys., 18(15), 11389–11407, doi:10.5194/acp-18-11389-2018, 2018.
14) Solomos, S., Kalivitis, N., Mihalopoulos, N., Amiridis, V., Kouvarakis, G., Gkikas, A., Binietoglou, I., Tsekeri, A., Kazadzis, S., Kottas, M., Pradhan, Y., **Proestakis, E.**, Nastos, P. T. and Marenco, F.: From Tropospheric Folding to Khamsin and Foehn Winds: How Atmospheric Dynamics Advanced a Record-Breaking Dust Episode in Crete, Atmosphere, 9(7), 240, doi:10.3390/atmos9070240, 2018.
15) Stachlewska, I. S., Samson, M., Zawadzka, O., Harenda, K. M., Janicka, L., Poczta, P., Szczepanik, D., Heese, B., Wang, D., Borek, K., Tetoni, E., **Proestakis, E.**, Siomos, N., Nemuc, A., Chojnicki, B. H., Markowicz, K. M., Pietruczuk, A., Szkop, A., Althausen, D., Stebel, K., Schuettemeyer, D. and Zehner, C.: Modification of Local Urban Aerosol Properties by Long-Range Transport of Biomass Burning Aerosol, Remote Sens., 10(3), 412, doi:10.3390/rs10030412, 2018.
16) Solomos, S., Gialitaki, A., Marinou, E., **Proestakis, E.**, Amiridis, V., Baars, H., Komppula, M. and Ansmann, A.: Modeling and remote sensing of an indirect Pyro-Cb formation and biomass transport from Portugal wildfires towards Europe., Atmospheric Environment, doi:10.1016/j.atmosenv.2019.03.009, 2019.

17) Mei, L., Vandenbussche, S., Rozanov, V., **Proestakis, E.**, Amiridis, V., Callewaert, S., Vountas, M., Burrows, P., J.: On the retrieval of aerosol optical depth over cryosphere using passive remote sensing, Remote Sensing of Environment, RSE-D-19-01396.
18) Georgoulias, A. K., Marinou, E., Tsekeri, A., **Proestakis, E.**, Akritidis, D., Alexandri, G., Zanis, P., Balis, D., Marenco, F., Tesche, M. and Amiridis, V.: A First Case Study of CCN Concentrations from Spaceborne Lidar Observations, Remote Sensing, 12(10), 1557, doi:10.3390/rs12101557, 2020.

Submitted

19) Gkikas, A., **Proestakis, E.**, Amiridis, V., Kazadzis, S., Di Tomaso, E., Tsekeri, A., Marinou, E., Hatzianastassiou, N., and Pérez García-Pando, C.: ModIs Dust AeroSol (MIDAS): A global fine resolution dust optical depth dataset, Atmos. Meas. Tech. Discuss., https://doi.org/10.5194/amt-2020-222, in review, 2020.

2.3. In Conference Proceedings

1) Andrei, S., Carstea, E., Marmureanu, L., Ene, D., Binietoglou, I., Nicolae, D., Konsta, D., Amiridis, V. and **Proestakis, E.**: The analysis of a complex fire event using multispaceborne observations, vol. 176., 2018.
2) Marinou, E., Amiridis, V., Tsekeri, A., Solomos, S., Kokkalis, P., **Proestakis, E.**, Kottas, M., Binietoglou, I., Zanis, P., Kazadzis, S., Wandinger, U. and Ansmann, A.: 3D Structure of Saharan Dust Transport Towards Europe as Seen by CALIPSO, vol. 119., 2016.
3) Marinou E., Amiridis V., Solomos S., **Proestakis E.**, Kottas M., Zanis P., Georgoulias A.K., Tsikerdekis A., Tsekeri A., Konsta D., Kokkalis P., Binietoglou I., Balis D.: Saharan dust retrieval variability over Europe as seen by CALIPSO, 13th International Conference on Meteorology, Thessaloniki, 19-21 September 2016 (https://link.springer.com/content/pdf/bfm%3A978-3-319-35095-0%2F1.pdf).
4) Marinou, E., Amiridis, V., Tsekeri, A., Solomos, S., Kokkalis, P., **Proestakis, E.**, Kottas, M., Binietoglou, I., Zanis, P., Kazadzis, S., Wandinger, U., Ansmann, A.: 3D Structure of Saharan Dust transport towards Europe as seen by CALIPSO, EPJ Web of Conferences, 119, 18007, doi: https://doi.org/10.1051/epjconf/201611918007, {The 27th International Laser Radar Conference (ILRC 27)}, 2016.
5) Marinou, E., Amiridis, V., Solomos S., **Proestakis, E.**, Kottas, M., Zanis, P., Georgoulias, A. K., Tsikerdekis, A., Tsekeri, A., Konsta, D., Kokkalis, P., Binietoglou, I., Balis, D.: 3D Saharan Dust Variability Over Europe as Seen by CALIPSO. In: Karacostas T., Bais A., Nastos P. (eds) Perspectives on Atmospheric Sciences. Springer Atmospheric Sciences. Springer, Cham, doi: https://doi.org/10.1007/978-3-319-35095-0_126, 2017. {13th International Conference on Meteorology}.
6) de Leeuw, G., Sogacheva, L., Rodriguez, E., Sofiev, M., Vira, J., Amiridis, V., Marinou, E., **Proestakis, E.**, Kourtidis, K., Georgoulias, A. K., Alexandri, G., Xue, Y., Zhengqiang, L., van der A, R.: Spatial and temporal variations of aerosols over China from multi-satellite observations, 2017 Dragon 4 Symposium, Copenhagen, Denmark, 26 – 30 June 2017.
7) de Leeuw, G., Sogacheva, L., Rodriguez, E., Alexandri, G., Amiridis, V., Balis, D., de Smedt, I., Ding J., Georgoulias, A.K., Koukouli, M., Kourtidis, K.A., Marinou, E., **Proestakis, E.**, Stavrakou, T., Theys, N., Xue, Y., van Roozendael, M., van der

A, R.: Satellite remote sensing of atmospheric constituents over the PEEX area, The 3rd Pan-Eurasian Experiment (PEEX) Science Conference, Moscow, Russia, 19 - 22 September 2017.

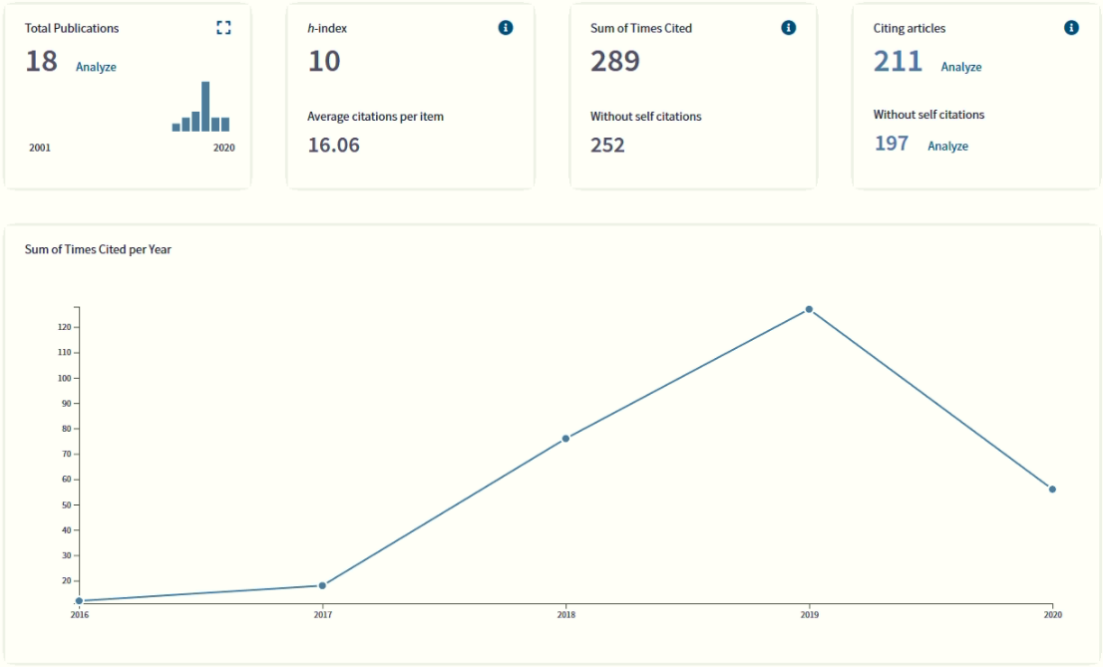
8) Marinou, E., Amiridis, V, Ansmann, A., Nenes, A., Balis, D., Schrod, J., Binietoglou, I., Solomos, S., Mamali, D., Engelmann, R., Baars, H., Kottas, M., Tsekeri, A., **Proestakis, E.**, Kokkalis, P., Goloub, P., Cvetkovic, B., Nichovic, S., Mamouri, R.E., Pikridas, M., Stavroulas, I., Keleshis, C., Sciare J.: Lidar ice nuclei estimates and how they relate with airborne in-situ measurements, EPJ Web of Conferences 176, 05018 doi: https://doi.org/10.1051/epjconf/201817605018, {ILRC 28}, 2018.
9) **Proestakis, E.**, Amiridis, V., Kottas, M., Marinou, E., Binietoglou, I., Ansmann, A., Wandinger, U., Yorks, J., Nowottnick, E., Papayannis, A., Pietruczuk, A., Apituley, A., Muñoz-Porcar, C., Bortoli, D., Dionisi, D., Mamali, D., Balis, D., Nicolae, D., Liberti, G., Baars, H., Voudouri, K.A., Mona, L., Mylonaki, M., Perrone, M.R., João Costa, M., Sicard, M., Papagiannopoulos, N., Siomos, N., Burlizzi, P., Engelmann, R., Hofer, J. and Pappalardo, G.: EARLINET Validation of CATS L2 Product, EPJ Web of Conferences 176, 02005, doi: https://doi.org/10.1051/epjconf/201817602005, {ILRC 28}, 2018.
10) Fragkos, K., Carstea, E., **Proestakis, E.**, Gkikas, A., Siomos, N., Amiridis, V., Balis, D., Nicolae, D.: Nine year of aerosol measurement in Magurele: Climatology and trends, 4th ACTRIS -2 General Meeting, Nafplio, Peloponnisos, Greece, 17-19/04/2018.
11) Marenco, F., Ryder, C., Estellés,V., Segura, S., Amiridis, V., **Proestakis, E.**, Marinou, E., Tsekeri, A., Smith, E., Ulanowski, Z., O'Sullivan, D., Brooke, J., Pradhan, Y. and Buxmann, J.: Studies on mineral dust using airborne LIDAR, ground-based remote sensing, and in situ instrumentation, EPJ Web of Conferences, 176, 10001, doi: https://doi.org/10.1051/epjconf/201817610001, {ILRC 28}, 2018.
12) Li, W., El-Askary, H., Qurban, M. A, **Proestakis E.**, Garay M. J., Kalashnikova, O. V., Amiridis, V., Gkikas, A., Marinou, E.**,** and ManiKandan, K. P.: Investigation of the Impacts of Dust and Climate Change on Ocean Productivity in the Red Sea, European Geosciences Union General Assembly 2018, Vienna, 8-13 April 2018.
13) Tetoni, E., Amiridis, V., Giannakaki, E., Marinou, E., Kottas, M., Gialitaki, A., **Proestakis, E.**, Solomos, S., Georgoulias, A., Stachlewska, I., Baars, H., Engelmann, R. and Hofer, J: EARLINET validation of CALIPSO v4 product and comparisons with v3, 14th International Conference on Meteorology, Climatology and Atmospheric Physics, Alexandroupolis, Greece, 15-17 October, 2018.
14) Gkikas, A., **Proestakis, E.**, Marinou, E., Amiridis, V., Kazadzis S. and Hatzianastassiou, N.: A synergistic use of passive and active satellite retrievals for dust identification at global scale, 14th International Conference on Meteorology, Climatology and Atmospheric Physics, Alexandroupolis, Greece, 15-17 October, 2018.
15) Konsta, D., Binietoglou, I., Gkikas, A., Solomos, S., Marinou, E., **Proestakis, E.**, Basart, S., Perez Garcia-Pando, C. and Amiridis, V: Dust Model Evaluation Using the 3D LIVAS-CALIPSO Pure Dust Product, 14th International Conference on Meteorology, Climatology and Atmospheric Physics, Alexandroupolis, Greece, 15-17 October, 2018.
16) Tetoni, E., Amiridis, V., Giannakaki, E., Marinou, E., Kottas, M., **Proestakis, E.**, Solomos, S., Gialitaki, A., Georgoulias, A., Stachlewska, I., Baars, H., Engelmann, R. and Hofer, J: Improvements on CALIPSO v4.10 aerosol product according to EARLINET, 1st European Lidar Conference, Thessaloniki, Greece, 3-5 July, 2018.

17) Solomos, S., Amiridis, V., Tsekeri, A., Binietoglou, I., Marinou, E., **Proestakis, E.**, Gkikas, A.: Investigation of Ocean Sea-Salt Emissions Using the Synergy of Aeolus Wind and Aerosol Products, ATMOS-2018, Salzburg, Germany, 26 to 29 November 2018.
18) Amiridis, V., Gkikas, A., **Proestakis, E.**, Solomos, S., Binietoglou, I., Marinou, E.: Aeolus for Ocean Subsurface Studies, ATMOS-2018, Salzburg, Germany, 26 to 29 November 2018.
19) Amiridis, V., Georgoulias, A. K., Marinou, E., Tsekeri, A., **Proestakis, E.**, Tetoni E., Zanis, P., Marenco, F., Brown, P. R. A.: CCN estimates from CALIOP/CALIPSO observations during the EUFAR-ACEMED campaign, European Geosciences Union General Assembly 2019, Vienna, 7-12 April 2019.
20) Gkikas, A, **Proestakis, E.**, Amiridis, V., García-Pando, C. P., Kazadzis, S., Di Tomaso, E., Tsekeri, A., Marinou, E. and Hatzianastassiou, N.: A synergy of MODIS-Aqua, MERRA-2 and CALIOP-CALIPSO for dust aerosols monitoring at global scale during the period 2007-2016, European Geosciences Union General Assembly 2019, Vienna, 7-12 April 2019.
21) Gialitaki, A., Tsekeri, A., Amiridis, V., Ceolato R., Paulien, L., **Proestakis, E.**, Marinou, E., Haarig, M., Baars, H. and Balis, D.: Is near-spherical shape "the new black" for smoke?, 29th International Laser Radar Conference, Hefei - China, 24-28 June 2019.
22) Paschou, P., **Proestakis, E.**, Tsekeri, A., Siomos, N., Gkikas, A., Gialitaki, A., Marinou, E., Binietoglou, I., Meleti, C., Freudenthaler, V., Georgousis, G., Doxastakis, G., Von Bismarck, J., Amiridis, V.: The ESA-EVE circular polarization lidar for assessing the AEOLUS L2a aerosol product performance, 29th International Laser Radar Conference, Hefei - China, 24-28 June 2019.
23) Amiridis, V., Tsekeri, A., Marinou, E., **Proestakis, E.**, Gkikas, A., Gialitaki, A., Daskalopoulou, V., Paschou, P., Siomos, N., Binietoglou, I., Gasteiger, J., Freudenthaler, V., Mamouri, R.-E., Ansmann, A. and Mona, L.: Advancing the remote sensing of desert dust, Proceedings Volume 11152, Remote Sensing of Clouds and the Atmosphere XXIV, 1115206, doi: https://doi.org/10.1117/12.2530322, 2019. {Event: SPIE Remote Sensing, Strasbourg, France, 2019}.
24) Georgoulias, A.K., Marinou, E., Tsekeri, A., Amiridis, V., **Proestakis, E.**, Akritidis, D., Alexandri, G., Zanis, P., Marenco, F.: First CCN estimates from CALIOP/CALIPSO observations: a demonstration during the EUFAR-ACEMED campaign, First scientific conference PANACEA, Heraklion, Greece, 23 – 24 September 2019.
25) Paschou, P., **Proestakis, E.**, Tsekeri, A., Siomos, N., Gkikas, A., Gialitaki, A., Marinou, E., Binietoglou, I., Meleti, C., Freudenthaler, V., Georgoussis, G., Doxastakis, G., Louridas, A., Von Bismarck, J. and Amiridis, V.: The ESA-EVE polarization lidar for assessing the Aeolus aerosol product performance, First scientific conference PANACEA, Heraklion, Greece, 23 – 24 September 2019.
26) Gkikas, A., **Proestakis, E.**, Gialitaki, A., Paschou, P., Marinou, E., Tsekeri, A., Solomos, S. and Amiridis, V.: First assessment of AEOLUS aerosol products versus ground-based lidar measurements obtained at Antikythera island, First scientific conference PANACEA, Heraklion, Greece, 23 – 24 September 2019.
27) Paschou, P., Tsekeri, A., Siomos, N., Amiridis, V., **Proestakis, E.**, Gkikas, A., Gialitaki, A., Marinou, E., Binietoglou, I., Meleti, C., Balis, D., Freudenthaler, V., Georgoussis, G., Doxastakis, G., Louridas, A., Gross, S., Kanitz, T. and Von Bismarck, J.: ESA-EVE polarization lidar: A novel mobile reference system for

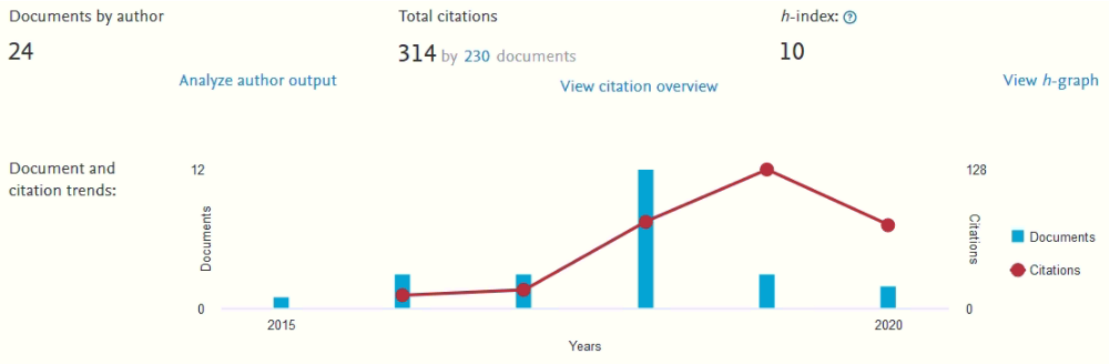
Cal/Val activities, 8th International EarthCARE Science Workshop, 25-27 November 2019, Chikushi Campus, Kyushu University, Fukuoka, Japan.

2.4. Citations

Total citation record: 192 from which 164 by 3rd parties and h-index: 8 (source: Web of Science).



{Source: Web of Science, October 2019}



{Source: Scopus, October 2019}

2.5. Computer Skills

- Programming languages: IDL, Matlab, Python,
- Fluent in several mathematical, statistical and data analysis software

2.6. Languages

Greek (native)
English (fluent – Certificate of Proficiency C1, IELTS)