

Vasileios Pavlidis | Curriculum Vitae

Address: Department of Meteorology and Climatology,
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Personal Information

Nationality: Greek
Date of birth: 10 August 1986

Education

2004-2011: BSc in Physics, with specialization field in Atmospheric and Environmental Physics
School of Physics, Aristotle University of Thessaloniki
Overall Grade: 7.95 (Very good)

Senior Thesis : *“Calculation of concentrations of PM10 atmospheric particles from lidar observations”*, Supervisor : D. Balis, Assistant Professor

2012-2015: Msc in Meteorology, Climatology and Atmospheric Environment
School of Geology, Aristotle University of Thessaloniki
Overall Grade: 9.73 (Excellent)

Postgraduate Diploma Thesis: *“Evaluation of regional climate simulations over Europe for the period 1990-2008”*, Supervisor: E. Katragkou, Assistant Professor

2016-2020: PhD, Department of Meteorology and Climatology, School of Geology, Aristotle University of Thessaloniki.

PhD Thesis: *“Investigation of errors and uncertainty in radiation and cloudiness in regional climate simulations”*, Supervisor: E. Katragkou, Associate Professor

Foreign Languages

English: Certificate of Proficiency in English, University of Michigan, English Language Institute (level C2)

German: Zertifikat Deutsch, Goethe institute (level A1)

Programming Skills

Operating Systems: Windows/Linux

Programming Languages: IDL, NCL, Fortran95, Mathematica, Python

Climate Analysis: CDO tools, NCO tools

Climate modelling: Weather Research and Forecasting Model (WRF)

Journal Publications

1. **Pavlidis, V.**, Katragkou, E., Prein, A., Georgoulas, A., Kartsios, S., Zanis, P. and Karacostas, T.: Investigating the sensitivity to resolving aerosol interactions in downscaling regional model

experiments with WRFv3.8.1 over Europe, *Geosci. Model Dev.*, 13, 2511–2532, <https://doi.org/10.5194/gmd-13-2511-2020>, 2020.

Conference proceedings

1. **Pavlidis V.**, Katragkou E., Zanis P., Karacostas T., Sensitivity study of cloud parameterizations in regional climate simulations over Europe, XXXIIe International Conference of the Association Internationale de Climatologie (AIC 2019), 29/05/19 – 01/06/19, Thessaloniki, Greece.
2. **Pavlidis V.**, Katragkou E., Zanis P., Karacostas T., Estimating the impact of the direct effect of aerosol on shortwave radiation at the surface in regional climate model simulations over Europe, 14th International Conference on Meteorology, Climatology and Atmospheric Physics (COMECAP 2018), 15/10/18 – 17/10/18, Alexandroupolis, Greece.
3. **Pavlidis V.**, Katragkou E., Zanis P., Karacostas T., Evaluation of summer temperature and precipitation of EURO-CORDEX regional climate simulations, *Perspectives on Atmospheric Science*, Eds. Karacostas T. S., Bais A.F., Nastos P.T., Springer Atmospheric Sciences, Springer International Publishing Switzerland 2017, p707-712, 2016
4. Katragkou E., Gkotovou I., Kartsios S., **Pavlidis V.**, Tsigaridis K., Trail M., Nazarenko L., Karacostas T., AUTH regional climate model contributions to EURO-CORDEX, *Perspectives on Atmospheric Science*, Eds. Karacostas T. S., Bais A.F., Nastos P.T., p741-746, Springer International Publishing, Switzerland 2017.
5. Georgoulas, A., Alexandri G., Katragkou E., **Pavlidis V.**, Kartsios S., and A. Sanchez-Lorenz, 2017: Evaluation of surface solar radiation trends from WRF simulations over Europe with satellite and ground-based observations. In Proc.: European Geosciences Union (EGU) General Assembly 2017, Vienna, Austria, 23–28 April.
6. Bampzelis D., Athanasiou F., Kampouri A., Papacharalampous S., **Pavlidis V.**, Tsavdari A., Karacostas T., The Pindus mountainous range effect on the temperature-precipitation relation, 12th International Conference on Meteorology, Climatology and Atmospheric Physics (COMECAP 2014), 28/05/14 – 31/05/14, Heraklion, Greece.
7. Tympanidis K., Athanasiou F., Kampouri A., Papacharalampous S., **Pavlidis V.**, Tsavdari A., Bampzelis D., Karacostas T., The influence of Pindus mountainous range upon the temperature and precipitation characteristics, 12th International Conference on Meteorology, Climatology and Atmospheric Physics (COMECAP 2014), 28/05/14 – 31/05/14, Heraklion, Greece.

Research Projects

1. CORDEX- Flagship Pilot Study: Role of the natural and anthropogenic aerosols in the Mediterranean region; past climate variability and future climate sensitivity.
2. State Scholarship Foundation (IKY) & German Academic Exchange Service (DAAD), Greece-Germany bilateral cooperation, Impact of Land Use Changes on regional and local climate in Europe: present and future climate projections (LUCE), 2018-2019 (**IKYDA 2018**).
3. EC, FP7, The People Programme, International Research Staff Exchange Scheme, *Regional climate-air quality interactions* **REQUA**.
4. EU, Copernicus Atmosphere Monitoring Service (**CAMS-84**): Global and regional a posteriori validation, including focus on the Arctic and Mediterranean areas.
5. EC, H2020, LC-SFS-19-2018-2, Resilient farming by adaptive microclimate managements (**STARGATE**).
6. H2020-SFS-2016-2017, SFS-43-2017, Enhancing Food Security in African agricultural systems with the support of remote sensing (**Africultures**) (2017-2021)

Seminars/Workshops

Summer Schools

Natural Disaster Management: University of Iceland, Faculty of Civil and Environmental Engineering. Earthquake Engineering Research Centre of the University of Iceland. Dates: 30 May –22 June 2012

Training workshops

Use of satellite data and products in studying and forecasting extreme weather events. Aristotle University of Thessaloniki and EUMETSAT, 30/09/13 – 4/10/13, Thessaloniki, Greece

Seminars

Intense weather phenomena, Department of Meteorology and Climatology, School of Geology, Aristotle University of Thessaloniki. Overall duration 15 hours, 18/03/10 – 23/03/10, Thessaloniki, Greece.

Training

Training on regional climate modeling for four months (01/07/2017-31/10/2017) at the National Centre for Atmospheric Research, Boulder, USA under the REQUA project: The People Programme, International Research Staff Exchange Scheme, *Regional climate-air quality interactions*.