

# Anna Kampouri

*Physics – Meteorology, Climatology and Atmospheric environment*

[akampouri@noa.gr](mailto:akampouri@noa.gr)

---

## Education

### **PH. D. candidate (ENVIRONMENTAL PHYSICS)**

Feb. 2019 – today

*School of Geology, Aristotle University of Thessaloniki, Greece*

- Department of Meteorology, Climatology and Atmospheric Environment
- Proposed dissertation title: “Study of aerosol sources, emissions and transport based dispersion modeling and remote sensing.”

### **MASTER OF SCIENCE (METEOROLOGY, CLIMATOLOGY AND ATMOSPHERIC ENVIRONMENT)**

Aug. 2018

*School of Geology, Aristotle University of Thessaloniki, Greece*

- Specialization in Meteorology and Atmospheric modeling
- Diploma Thesis: “Evaluation of microphysical parameterization schemes with the use of a numerical weather prediction model.”

### **BACHELOR OF SCIENCE (PHYSICS)**

Oct 2010

*Physics department, Aristotle University of Thessaloniki, Greece*

- Specialization in Atmospheric Physics
- Diploma Thesis: “Estimation of the emissions of Primary Biological Aerosol particles”

## Professional Experience

### **Institute for Astronomy, Astrophysics, Space Applications and Remote Sensing (IAASARS), National Observatory of Athens (NOA), Greece**

- Study of aerosol sources, emissions and transport based dispersion modeling and remote sensing.
- Operational use of the Lagrangian particle dispersion model FLEXPART.
- Use of Weather Research and Forecasting model (WRF).
- Member of ReACT (Remote sensing of Aerosols Clouds and Trace gases) team.

Feb 2019 – today

## Technical Skills

### Visualization tools

- NCAR, NCL, PYTHON, GRADS

### Programming Languages

- Fortran, Bash

## Scholarships and awards

- Scholarship from Stavros Niarchos Foundation for PhD students for the implementation of the “SNF-PANGEA” project. Feb. 2019 - today

## Workshops

- HYSPLIT online Workshop by the National Oceanic and Atmospheric Administration (NOAA) Air Resources Laboratory, Washington, U.S. 22 - 25 Jun 2020
- Training on dispersion modelling with FLEXPART version 10 at ZAMG (Vienna, Austria). 1 - 3 Jul 2019
- “Use of Satellite data in nowcasting, severe convection and precipitation”, EUMETSAT and Aristotle University of Thessaloniki, Greece. Oct. 2014

# Publications

## Peer – Reviewed Publications

2020

- **Kampouri A.**, Amiridis, V., Solomos, S., Spyrou C., Marinou, E., Gialitaki, A., Georgoulas A.K., Akritidis D., Papagiannopoulos N., Mona L., Pytharoulis I., Karacostas T., and Zanis P.: Investigation of volcanic emissions in the Mediterranean: “The Etna-Antikythera connection” Atmosphere (**under submission**)
- Gialitaki, A., Tsekeri, A., Amiridis, V., Ceolato, R., Paulien, L., **Kampouri, A.**, Gkikas, A., Solomos, S., Marinou, E., Haarig, M., Baars, H., Ansmann, A., Lapyonok, T., Lopatin, A., Dubovik, O., Groß, S., Wirth, M., and Balis, D.: Is the near-spherical shape the new black for smoke?, Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2020-22>, 2020 (**accepted for publication**)
- Papagiannopoulos, N., D'Amico, G., Gialitaki, A., Ajtai, N., Alados-Arboledas, L., Amodeo, A., Amiridis, V., Baars, H., Balis, D., Biniotoglou, I., Comerón, A., Dionisi, D., Falconieri, A., Fréville, P., **Kampouri, A.**, Mattis, I., Mijić, Z., Molero, F., Papayannis, A., Pappalardo, G., Rodríguez-Gómez, A., Solomos, S., and Mona, L.: An EARLINET early warning system for atmospheric aerosol aviation hazards, Atmos. Chem. Phys., 20, 10775–10789, <https://doi.org/10.5194/acp-20-10775-2020>, 2020.

## Conference Presentations

2020

- **Kampouri, A.**, Amiridis, V., Solomos, S., Spyrou, C., Gialitaki, A., Papagiannopoulos, N., Mona, L., Georgoulas, A. K., Akritidis, D., and Zanis, P.: Investigation of volcanic emissions in the Mediterranean: “The Etna - Antikythera connection”, Second scientific conference PANACEA (virtual)
- Gialitaki, A., Tsekeri, A., Marinou, E., Paschou, P., Tsihla, M., **Kampouri, A.**, Tsikoudi, I., Balis, D., and Amiridis, V.: Properties of biomass burning particles as observed in PANGEA observatory, Second scientific conference PANACEA (virtual)
- Marinou, E., Gialitaki, A., Tsihla, M., Tsikoudi, I., Paschou, P., Siomos, N., Drakaki, E., **Kampouri, A.**, and Amiridis, V.: Observations of aerosol load in PANGEA during COVID-19 lock-down and relaxation period, Second scientific conference PANACEA (virtual)
- Gkikas, A., Gialitaki, A., Biniotoglou, I., Proestakis, E., Paschou, P., Siomos, N., **Kampouri, A.**, Kosmopoulos, P., Marinou, E., Voudouri, K., Mylonaki, M., Balis, D., Papayannis, A., and Amiridis, V.: First assessment of AEOLUS L2A products in the framework of PANACEA: Cal/Val aspects and evaluation results, Second scientific conference PANACEA (virtual)
- Tsikoudi, I., Gialitaki, A., Marinou, E., Tsihla, M., Drakaki, E., **Kampouri, A.**, Vakkari, V., Komppula, M., Giannakaki, E., Amiridis, V., Flocas, H.: Planetary Boundary Layer Height during the Pre-TECT campaign using remote sensing observational datasets and WRF model, ELC conference, Granada, Spain (virtual)
- Papagiannopoulos, N., D'Amico, G., Gialitaki, A., Ajtai, N., Alados-Arboledas, L., Amodeo, A., Amiridis, V., Baars, H., Balis, D., Biniotoglou, I., Comerón, A., Dionisi, D., Falconieri, A., Freville, P., **Kampouri, A.**, Mattis, I., Mijic, Z., Papayannis, A., Pappalardo, G., Pujadas, M., Solomos, S., and Mona, L.: An EARLINET Early Warning System for atmospheric aerosol aviation hazards. European Geosciences Union General Assembly Conference, Vienna 2020. (<https://meetingorganizer.copernicus.org/EGU2020/session/37925>)

2019

- Gialitaki, A., Tsekeri, A., Amiridis, V., Ceolato, R., Paulien, L., **Kampouri, A.**, Gkikas, A., Solomos, S., Marinou, E., Haarig, M., Baars, H., Ansmann, A., Lapyonok, T., Lopatin, A., Dubovic, O., Groß, S. and Balis D.: Let's discuss on a new aerosol shape, ACTRIS Remote Sensing Workshop, Rome, Italy, 18-22 November 2019
- Papagiannopoulos N., D' Amico G., Amiridis V., Biniotoglou I., Falconieri A., Gialitaki A., **Kampouri A.**, Mattis I., Solomos S. and Mona L.: On the near-real-time monitoring of airborne hazards: applications and discussion, ACTRIS Remote Sensing Workshop, Rome, Italy, 18-22 November 2019
- Tsikoudi, I., Tsihla, M., **Kampouri, A.**, Gialitaki, A., Marinou, E., Solomos, S. and Amiridis, V.: Aerosol properties during two experimental campaigns in Eastern Mediterranean, ACTRIS Remote Sensing Workshop, Rome, Italy, 18-22 November 2019
- Tsikoudi, I., Tsihla, M., **Kampouri, A.**, Gialitaki, A., Marinou, E., Solomos, S. and Amiridis, V.: Aerosol properties at Antikythera and Finokalia during two experimental campaigns, First scientific conference PANACEA, Heraklion, Greece, 23 – 24 September 2019

2018

- **Kampouri A.**, Kartsios S., Karacostas T., Pytharoylis I., Athanasiou F.: "WRF sensitivity analysis in simulating a heavy rainfall event using different microphysics schemes". International Conference on Meteorology, Climatology and Atmospheric Physics, Alexandroupolis, 2018, Greece (Poster presentation)

## Teaching Experience

- 9-year experience in teaching physics, chemistry and mathematics in cram school.