

Ioannis Chaniotis

National & Kapodistrian University of Athens

Department of Physics, Division of Environmental Physics and Meteorology

Atmospheric Modeling and Weather Forecasting Group

e-mail: giannisch@mg.uoa.gr, chaniotisjohnx@gmail.com

Tel: +30 210 727 6835

Professional Experience

2020 - present: Atmospheric Modeling and Weather Forecasting Group (AM&WFG)

Education

- PhD Student, National and Kapodistrian University of Athens, Department of Physics, **2020 - present**, Thesis Topic: *“Modeling of aerosol - radiation - cloud - precipitation interaction in the atmosphere”*
- MSc Applied Physics, National and Kapodistrian University of Athens, Department of Physics, Division of Environmental Physics and Meteorology, **2020**, Thesis Title: *“A study of the Impact of Natural Suspended Particles in the Formation and Evolution of Clouds”*
- BSc Physics, National and Kapodistrian University of Athens, Department of Physics, Division of Environmental Physics and Meteorology, **2018**, Thesis Title: *“Numerical Study of supersonic flows with PLUTO code”*

Foreign Languages

- English (B2)
- German (B1)
- Greek (native)

Technical Skills

- Operating Systems: Windows, Linux
- Programming Languages: C, Python, Fortran, shell scripting
- Statistical Analysis and Numerical Applications: Matlab, Mathematica, SPSS
- Data Visualisation: NCL, Matlab, Matplotlib, Gnuplot, REVU
- Data Handling: Netcdf, HDF5, GRIB
- Text Document and Presentation Software: LaTeX, MS Office, OpenOffice, LibreOffice (Document, Spreadsheet and Slide Editors)
- Atmospheric Models: RAMS, RAMS-ICLAMS

Fields of Scientific Activities

- Atmospheric Modeling and Weather Forecasting
Statistical Analysis and Visualisation of Environmental Parameters
- Numerical Analysis, Meteorology and Climatology
- Suspended Particulate Matter and Microphysical Processes, Aerosol - Cloud - Radiation Interactions

International Conference Contributions

- **Chaniotis, I.,** Patlakas, P., Kallos, G. “A numerical study of dust particle effects on cloud microphysical processes and hail/precipitation impacts”. EGU General Assembly 2020, Online | 4–8 May 2020.
- **Chaniotis, I.,** Patlakas, P., Kallos, G. “Studying the effects of dust particles on cloud microphysical processes”. 15th International Conference on Meteorology, Climatology and Atmospheric Physics (COMECAP) 2021, Ioannina | 26-29 September 2021.