

Anastasia Kakouri

Nationality: Greek

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 **Address :** 15, Grigoriou Afxentiou, 15772 Athens (Greece)

WORK EXPERIENCE

Researcher - GIS Specialist

National Observatory of Athens [01/09/2019 – Current]

Address: Athens (Greece)

"Upgrading of spatial analysis in air pollution parameters for cities" under the project "SMURBS / ERA-PLANET-SMART URBAN SOLUTIONS FOR AIR QUALITY, DISASTER AND CITY GROWTH"

Researcher

Dr. Themistoklis Kontos [03/2019 – Current]

Address: Mytilene (Greece)

Researcher in Spatial and Timeseries Analysis and Trends, in the fields of Climatology and Climate Change, in collaboration with the Department of Environment, University of the Aegean.

Invited Speaker in the course of Environmental Applications with GIS

Dr. Themistoklis Kontos [02/2019]

Address: Mytilene (Greece)

-Presenting:

-the capabilities of the use of ArcGIS and Python programming in Aerosol Science, with title: "Investigation of the Aerosol Optical Depth with the use of Geoinformatics, with data from CALIOP",

-the capabilities of 3D Layer Analysis, 3D Visualization and Trends of Aerosol Optical Depth.

Invited Speaker in the course of Environmental Applications with GIS

Dr. Themistoklis Kontos [03/2018]

Address: Mytilene (Greece)

-Presenting the capabilities of the use of ArcGIS in Water Resources Management, with title: "Investigation of the Surface Runoff Index, with the use of GIS: Case Study of Lesbos Island".

Invited Speaker in the course of "Introduction to Applied Geoinformatics"

Nikolaos Soulakellis [11/2017]

Address: Mytilene (Greece)

-Presenting the capabilities of ArcGIS and Spatial Modelling, with title: "Application of methods in Geoinformatics, to the Detection of Climate Change and Trends: Case Study of Africa".

Cartographer

Region of the islands of the northern Aegean [07/2016]

Address: Mytilene (Greece)

-Visualization of the Environmental Water Resources data and services with ArcGIS, for the island of Lesvos.

EDUCATION AND TRAINING

Bachelor' s Degree in Environmental Science

University of the Aegean, Department of the Environment [01/10/2013 – 06/10/2017]

Address: Mytilene (Greece)

Field(s) of study: Environmental Science

Environmental Science, Geographical Information Systems, Applied Environmental Sciences and Environmental Technology, Spatial Statistics and Statistical Analysis.

Occupational:

Geoinformatics, Environmental Modeling, Geographic Information Systems in Environmental Applications, Timeseries Analysis and Trends, Programming with Geographic Information Systems, Environmental Impact & Risk Assessment, Climatology, Atmospheric Physics, Aerosol Science, Spatial Decision Support Systems, Multiple Criteria Analysis, Analytic Hierarchy Process, Water Resources Management, Sustainable Development, ArcGIS (ArcMap, ArcScene, ArcGlobe and ArcGIS ModelBuilder) SPSS, Programming with python and R, Microsoft Office, Vortex, RETScreen.

Master of Science in Geography and Applied Geoinformatics
University of the Aegean, Department of Geography [01/10/2017 – 01/03/2019]

Address: Mytilene (Greece)

Field(s) of study: Geography and Applied Geoinformatics

Geoinformatics, Applied Geoinformatics in Natural Environment and Hazard Management, Spatial Analysis,

Aerosol Science

Occupational:

ArcGIS, Geographical Information Systems, Programming with Python and R, Remote Sensing, Timeseries Analysis and Trends, Aerosol Science, Creation and Organization of Databases and Geodatabases, Thematic Cartography, GrassGIS, ERDAS IMAGINE, Adobe Premiere Pro CC 2015 (3D map optimization and video), Diagrammer(ArcGIS Geodatabases), pgAdmin (Databases).

LANGUAGE SKILLS

Mother tongue(s):

Greek

English

LISTENING: C1 **READING:** C1 **UNDERSTANDING:** C1

SPOKEN PRODUCTION: C1

SPOKEN INTERACTION: C1

German

LISTENING: B1 **READING:** B1 **UNDERSTANDING:** B1

SPOKEN PRODUCTION: B1 **SPOKEN INTERACTION:** B1

CONFERENCES AND SEMINARS

15th International Conference on Meteorology, Climatology and Atmospheric Physics (COMECAP 2021)

[Ioannina, Greece, 16/05/2021 – 19/05/2021]

-Kakouri, A., Ramacher, M., Athanasopoulou, E., Grivas, G., Speyer, O., Karl, M., Kontos, T. & Gerasopoulos, E., 2021. An innovative method to arrive at high resolution emissions for city scale air quality modeling, 15th International Conference on Meteorology, Climatology and Atmospheric Physics (COMECAP 2021), Ioannina, Greece, 16 -19 May.

15th International Conference on Meteorology, Climatology and Atmospheric Physics (COMECAP 2021)

[Ioannina, Greece, 16/05/2021 – 19/05/2021]

-Kakouri, A., Korras – Carrasa, M. B., Hatzianastassiou, N., Matsoukas, C., Gkikas, A. & Kontos, T., 2021. Estimation of the Spatio-temporal Distribution of wildfires in the Mediterranean Basin with the use of Remote Sensing Data and Correlation with Biomass Burning Aerosol Load, 15th International Conference on Meteorology, Climatology and Atmospheric Physics (COMECAP 2021), Ioannina, Greece, 16 -19 May.

15th International Conference on Meteorology, Climatology and Atmospheric Physics (COMECAP 2021)

[Ioannina, Greece, 16/05/2021 – 19/05/2021]

-Athanasopoulou, E., Grivas, G., Kakouri, A., Ramacher, M., Speyer, O., Karl, M. & Gerasopoulos, E., 2021. Synergy between different earth observation platforms towards the estimation of the intra-urban population exposure to wintertime air pollution of Athens, 15th International Conference on Meteorology, Climatology and Atmospheric Physics (COMECAP 2021), Ioannina, Greece, 16 -19 May.

15th International Conference on Meteorology, Climatology and Atmospheric Physics (COMECAP 2021)

[Ioannina, Greece, 16/05/2021 – 19/05/2021]

-Solomos S., Kampouri A., Amiridis V., Balis D., Bais A., Karagkiozidis D., Papayannis A., Mihalopoulos N., Bougiatioti A., Stavroulas I., Liakakou E., Gerasopoulos E., Athanasopoulou E., Poupkou A., Zerefos C., Mylonaki M., Soupiona O., Papanikolaou C., Foskinis R., Kakouri A., 2021. Pollutants dispersion from domestic wood burning for heating at Ioannina, 15th International Conference on Meteorology, Climatology and Atmospheric Physics (COMECAP 2021), Ioannina, Greece, 16 -19 May.

National Geography Conference: Geography in a changing world

[Mytilene, Lesvos Island, Greece, 19/04/2021 – 21/04/2021]

-Kakouri, A., Ramacher, M., Athanasopoulou, E., Grivas, G., Speyer, O., Karl, M., Kontos, T., Gerasopoulos, E., 2021. A GIS - based tool in service of high resolution air quality mapping, National Geography Conference: Geography in a changing world, Mytilene, Lesvos Island, Greece, 19 - 21 April.

EGU General Assebly 2020

[Vienna, Austria , 04/05/2020 – 08/05/2020]

-Ramacher, M., Karl, M., Athanasopoulou, E., Kakouri, A., Speyer, O. & Matthias, V., 2020. A novel approach for dynamic population activity in urban-scale exposure estimates - integrating monthly day/night time populations, EGU General Assebly 2020, 4 - 8 May (Online).

12th International Conference on Air Quality - Science and Application

[Thessaloniki, Greece, 09/03/2020 – 13/03/2020]

-Ramacher, M., Karl, M., Matthias, V., Athanasopoulou, E., Kakouri, A. & Speyer, O., 2020. A novel approach for dynamic population activity in urban-scale exposure estimates - integrating modes of transport with OSM, 12th International Conference on Air Quality - Science and Application, 9 - 13 March (Online).

AGU Fall Meeting 2019

[San Francisco, Kalifornia, U.S.A., 09/12/2019 – 13/12/2019]

-Gerasopoulos, E., Athanasopoulou, E., Ramacher, M., Kakouri, A., Speyer, O., Karl, M., Stavroulas, I., Grivas, G. & Bailey, J., 2019. City Scale air pollution modelling and high resolution exposure mapping of an urban hotspot in the Eastern Mediterranean, AGU Fall Meeting 2019, San Francisco, Kalifornia, U.S.A., 9 - 13 December.

12th International Conference of the Hellenic Geographical Society

[Athens, Greece, 01/11/2019 – 04/11/2019]

- Kakouri, A. & Kontos, T., 2019. Monitoring the Deforestation of Amazon's Tropical Rainforest using Remote Sensing and Geographic Information Systems Tools: Case study, Mato Grosso, Brazil, 12th International Conference of the Hellenic Geographical Society, Athens, Greece, 1-4 November.

2nd International Conference ADAPTtoCLIMATE 2019

[Heraklion, Crete Island, Greece, 24/06/2020 – 25/06/2020]

-Kakouri, A., Korras Carraca, M. B., Kontos, T., Matsoukas, C., Hatzianastassiou, N., Floutsi, A. A. and Kostopoulou, E., 2019. An 11 - year global 3D climatology and trends of aerosol optical depth using satellite data from CALIOP. 2nd International Conference ADAPTtoCLIMATE 2019, Heraklion, Crete Island, Greece, 24 - 25 June.

27th Meeting of ArcGIS Users 2019

[Athens, Greece, 30/05/2019 – 31/05/2019]

-Kakouri, A. and Kontos, T., 2019. Development of Spatial Models for the Automation of Climatic Zones with the use of ArcGIS. 27th Meeting of ArcGIS Users 2019, Athens, Greece, 30 - 31 May.

EGU General Assebly 2019

[Vienna, Austria, 07/04/2019 – 12/04/2019]

-Kakouri, A., Korras Carraca, M. B., Kontos, T., Matsoukas, C., Hatzianastassiou, N., Floutsi, A. A. and Kostopoulou, E., 2019. Climatology and trends of aerosol optical depth on global scale using CALIOP vertically resolved data during 2007-2017. EGU General Assebly 2019, Vienna, Austria, 7 - 12 April.

11th International Conference of the Hellenic Geographical Society 2018

[Lavrion, Greece, 12/04/2018 – 15/04/2018]

-Kakouri, A., Mokalis, S., Kontos, T., Soulakellis, N., 2018. Implementation of Geoinformatic Methods in Climate Change Trends Detection: The Case of Africa. 11th International Conference of the Hellenic Geographical Society 2018, Lavrion, Greece, 12 – 15 April.

ORGANISATIONAL SKILLS

Organisational skills

- Responsibility.
- Ability to Fulfill Jobs within a Specific Temporal Framework.
- Ability to Cope with Difficult Projects Under Pressure.
- Leadership.

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

- Team work: I have worked in various types of teams from research teams to basketball teams.
- Good communication skills.
- Public Speaking Capability.

JOB-RELATED SKILLS

Job-related skills

Operational Systems (PC): Windows 2000 / XP / 2007 / 2008 / 2010

Programming Languages: Python, ArcObjects (ArcGIS 10x), ArcGIS ModelBuilder, R – Studio, Visual Basic.

OTHER SKILLS

Other skills

Ballet Teacher:

-From 2013 to 2018, i was Ballet and Aerobic Gymnastics teacher at the Classical Dance Students' Group of University of the Aegean, which i founded.

-Classical Dance Teacher for Ballet Classes (for children aged 2.5 to 6) and Classical Education (for adolescents from 10 years old and adults) in Danza Passion Dance Group. (Volunteering)

Volunteering:

Classical Dance Lessons at Classical Dance Students' Group of University of the Aegean, 2013 – 2018. (2013 – 2018), Tree Planting of Hymettus Mountain, (2013), Cleaning of beaches, Lesvos, (2014 – 2018), Participation in the Photographic Students' Group of the University of the Aegean, (2016), Participation in Modern Dance Students' Group of the University of the Aegean (2013 – 2015), Participation in Zumba Dance Students' Group of the University of the Aegean (2016).