CURRICULUM VITAE

Personal Information

Full Name	**:**	Dr. Konstantinos Dimitriou (PhD)
Nationality	**:**	Hellenic (GR)
Address	**:**	Afroditis st 100, Palaio Faliro, Athens, Greece, 17562
E-mail Addresses	**:**	kdim@cc.uoi.gr, kdimitriou80@gmail.com
Skype	**:**	konstantinos.dimitriou80
Website	**:**	https://www.researchgate.net/profile/Konstantinos_Dimitriou2

Education

- **[2006] BSc degree in Physics**

  Physics Department, University of Ioannina (Greece)
  Ministry of Education, Hellenic Republic
  Grade of BSc: Good

- **[2009] MSc degree: Meteorology Climatology and Physics of the Atmospheric Environment**

  Physics Department, University of Ioannina (Greece)
  Ministry of Education, Hellenic Republic
  Grade of MSc: Excellent

  Title of MSc Thesis: «Calculation of combined air quality indicators in the Attica region. The impact of atmospheric pollutants on human health»

- **[2013] PhD degree: Atmospheric Sciences and Environment**

  Physics Department, University of Ioannina (Greece)
  Ministry of Education, Hellenic Republic
  Grade of PhD: Excellent

  Title of PhD Thesis: «PM_{10} and $PM_{2.5}$ aerosols in Europe: Local sources, atmospheric transportation, impacts in air quality»

Seminars – Summer Schools

- **[2008] Degree of Observer Meteorologist**

  Hellenic Meteorological Service, Hellenic Air Force
  Grade of Degree: (Excellent with Praise)

- **[2009] On the Job Training (OJT) degree of observer meteorologist**

  Hellenic Air Force

- **[2013] Summer School: Dynamics and Management of the Mediterranean Sea Environment**

  Technological Educational Institute of Ionian Islands, Department of Environmental Technology, 1/9/2013 – 11/9/2013, Zakynthos (Greece)

- **[2016] Seminar: Data Science with Python**

  E-learning seminar on Python programming language
  National and Kapodistrian University of Athens
  November 2015 – February 2016

- **[2018] Seminar: «Professional Certificate Program in Data Science»**

  E-learning seminar on R programming language
  November 2018 – February 2019
  Harvard University
  Completed and certified courses:

  ✓ R basics
  Online Certificate: https://courses.edx.org/certificates/1031c0cc6b214909b7da14c8e325376e

  ✓ Visualization
  Online Certificate: https://courses.edx.org/certificates/efa28ea1d00547b9b07fedefc3f1089c

  ✓ Probability
  Online Certificate: https://courses.edx.org/certificates/907fad7a3f8847c7bd7166bae41a3446

  ✓ Productivity Tools
  Online Certificate: https://courses.edx.org/certificates/b3c5eac6619a43f4ac88d5226a02bd3b

Working Experience

- **[2/12/2008-2/9/2009]:** *Observer Meteorologist*, Hellenic Air Force, Preveza (Greece), The main duties were to observe, record and transmit meteorological data

- **[16/10/2013-7/2/2014]:** *Higher Education Teaching Professional*, Technological Educational Institute of Ionian Islands, Department of Food Technology, Argostoli (Greece), Teaching of the lesson: "Physics (Laboratory)"

- **[13/10/2014-13/2/2015]:** *Higher Education Teaching Professional*, Technological Educational Institute of Ionian Islands, Department of Environmental Technology, Zakynthos (Greece), Teaching of the lessons: "Fluid Mechanics (Laboratory)" and "Air Pollution (Laboratory)"

- **[9/3/2015-10/7/2015]:** *Higher Education Teaching Professional*, Technological Educational Institute of Ionian Islands, Department of Environmental Technology, Zakynthos (Greece), Teaching of the lessons: "Renewable Energy Sources 2 (Theory)" and "Meteorology - Climatology (Laboratory)"

- **[5/10/2015-12/2/2016]:** *Higher Education Teaching Professional*, Technological Educational Institute of Ionian Islands, Department of Environmental Technology, Zakynthos (Greece), Teaching of the lessons: "Fluid Mechanics (Laboratory)" and "Air Pollution (Laboratory)"

- **[4/11/2015-31/3/2016]:** *Higher Education Teaching Professional,* Technological Educational Institute of Athens, Department of Energy Technology Engineering, Athens (Greece), Teaching of the lesson: "Physics (Laboratory)"

- **[1/3/2016-30/6/2016]:** *Higher Education Teaching Professional,* Technological Educational Institute of Ionian Islands, Department of Environmental Technology, Zakynthos (Greece), Teaching of the lessons: "Renewable Energy Sources 2 (Theory)", "Meteorology - Climatology (Laboratory)" & "Renewable Energy Sources 1 (Laboratory)"

- **[11/2/2017-30/6/2017 & 1/9/2017-29/9/2017]:** *Higher Education Teaching Professional,* University of Ioannina, Department of Physics, Postgraduate program Atmospheric Sciences and Environment, Teaching of the lesson: "Renewable Energy Sources"

- **[10/10/2017-31/7/2018]:** *Higher Education Teaching Professional,* Hellenic Open University, Postgraduate program Waste Management, Teaching of the lesson: Air Pollution Management. Also supervision of two MSc theses.

- **[12/2/2018-30/6/2018 & 1/9/2018-30/9/2018]:** *Higher Education Teaching Professional,* University of Ioannina, Department of Physics, Postgraduate program Atmospheric Sciences and Environment, Teaching of the lesson: "Renewable Energy Sources"

List of Journal Publications

24 Publications (22 as First Author) – Average Impact Factor: 3.873

1. **DIMITRIOU, K.**, PASCHALIDOU, A.K., KASSOMENOS, P.A., 2013. Assessing air quality with regards to its effects on human health in the European Union through air quality indices. (Ecological Indicators, 27, 108-115) **[IF: 4.490]**

2. KASSOMENOS, P.A., **DIMITRIOU, K.**, PASCHALIDOU, A.K., 2013. Human health damage caused by particulate matter PM(10) and ozone in urban environments: the case of Athens, Greece. (Environmental Monitoring and Assessment, 185 (8), 6933-6942) **[IF: 1.959]**

3. **DIMITRIOU, K.**, KASSOMENOS, P.A., 2013. The fine and coarse particulate matter at four major Mediterranean cities: Local and regional sources. (Theoretical and Applied Climatology, 114 (3-4), 375-391) **[IF: 2.720]**

4. **DIMITRIOU, K.**, KASSOMENOS, P.A., 2014. Local and regional sources of fine and coarse particulate matter based on traffic and background monitoring (Theoretical and Applied Climatology, 116 (3-4), 413-433) **[IF: 2.720]**

5. **DIMITRIOU, K.**, KASSOMENOS, P.A., 2014. Decomposing the profile of PM in two low polluted German cities – Mapping of air mass residence time, focusing on potential long range transport impacts (Environmental Pollution, 190, 91-100) **[IF: 5.714]**

6. **DIMITRIOU, K.**, KASSOMENOS, P.A., 2014. Indicators reflecting local and transboundary sources of $PM_{2.5}$ and PM_{COARSE} in Rome – Impacts in air quality. (Atmospheric Environment, 96, 154-162) **[IF: 4.012]**

7. **DIMITRIOU, K.**, KASSOMENOS, P.A., 2014. A study on the reconstitution of daily PM_{10} and $PM_{2.5}$ levels in Paris with a multivariate linear regression model. (Atmospheric Environment, 98, 648-654) **[IF: 4.012]**

8. **DIMITRIOU, K.**, KASSOMENOS, P.A., 2015. Three year study of tropospheric ozone with back trajectories at a metropolitan and a medium scale urban area in Greece (Science of the Total Environment, 502, 493-501) **[IF: 5.589]**

9. PETROU, I., **DIMITRIOU, K.**, KASSOMENOS, P.A., 2015. Distinct atmospheric patterns and associations with acute heat induced mortality in five regions of England. (International Journal of Biometeorology, 59, 1413-1424) **[IF: 2.377]**

10. **DIMITRIOU, K.**, 2015. The dependence of PM size distribution from meteorology and local-regional contributions, in Valencia (Spain) – A CWT model approach. (Aerosol and Air Quality Research, 15, 1979-1989) **[IF: 2.735]**

11. **DIMITRIOU, K.**, REMOUNDAKI, E., MANTAS, E., KASSOMENOS, P.A., 2015. Spatial distribution of source areas of $PM_{2.5}$ by Concentration Weighted Trajectory (CWT) model applied in $PM_{2.5}$ concentration and composition data. (Atmospheric Environment, 116, 138-145) **[IF: 4.012]**

12. **DIMITRIOU, K.**, Mc-GREGOR, G., KASSOMENOS, P.A., PASCHALIDOU, A.K., 2016. Exploring winter mortality variability in five regions of England, using back trajectory analysis. (Earth Interactions, 20(1), 1-27) **[IF: 2.457]**

13. **DIMITRIOU, K.**, KASSOMENOS, P.A., 2016. Combining AOT, Angstrom Exponent and PM concentration data, with PSCF model, to distinguish fine and coarse aerosol intrusions in Southern France. (Atmospheric Research, 172-173, 74-82) **[IF: 4.114]**

14. **DIMITRIOU, K.**, 2016. Upgrading the estimation of daily PM_{10} concentrations utilizing prediction variables reflecting atmospheric processes. (Aerosol and Air Quality Research, 16, 2245-2254) **[IF: 2.735]**

15. **DIMITRIOU, K.**, KASSOMENOS, P.A., 2017. The covariance of air quality conditions in six cities in Southern Germany - The role of meteorology. (Science of the Total Environment, 574, 1611-1621) **[IF: 5.589]**

16. **DIMITRIOU, K.**, PASCHALIDOU, A.K., KASSOMENOS, P.A., 2017. Distinct synoptic patterns and air masses responsible for long-range desert dust transport and sea-spray in Palermo, Italy. (Theoretical and Applied Climatology, 130, 1123-1132) **[IF: 2.720]**

17. **DIMITRIOU, K.**, KASSOMENOS, P.A., 2017. Aerosol contributions at an urban background site in Eastern Mediterranean – Potential source regions of PAHs in PM_{10} mass. (Science of the Total Environment, 598, 563-571) **[IF: 5.589]**

18. **DIMITRIOU, K.**, KASSOMENOS, P.A., 2017. Airborne heavy metals in two cities of North Rhine Westphalia – Performing inhalation cancer risk assessment in terms of atmospheric circulation. (Chemosphere, 186, 78-87) **[IF: 5.108]**

19. **DIMITRIOU, K.**, KASSOMENOS, P.A., 2018. The influence of specific atmospheric circulation types on PM_{10}-bound benzo(a)pyrene inhalation related lung cancer risk in Barcelona, Spain. (Environment International, 112, 107-114) **[IF: 7.943]**

20. **DIMITRIOU, K.**, KASSOMENOS, P.A., 2018. Day by day evolution of a vigorous two wave Saharan dust storm – Thermal and air quality impacts. (Atmosfera, 31(2), 105-124) **[IF: 1.438]**

21. **DIMITRIOU, K.**, KASSOMENOS, P.A., 2018. Quantifying daily contributions of source regions to PM concentrations in Marseille, based on the trails of incoming air masses. (Air Quality Atmosphere and Health, 11, 571–580) **[IF: 2.297]**

22. **DIMITRIOU, K.**, KASSOMENOS, P.A., 2018. A meteorological analysis of PM_{10} episodes at a high altitude city and a low altitude city in central Greece – The impact of wood burning heating devices (Atmospheric Research, 214, 329–337) **[IF: 4.114]**

23. **DIMITRIOU, K.**, KASSOMENOS, P.A., 2019. Allocation of excessive cancer risk induced by benzene inhalation in 11 cities of Europe in atmospheric circulation regimes. (Atmospheric Environment, 201, 158–165) **[IF: 4.012]**

24. **DIMITRIOU, K.**, KASSOMENOS, P.A., 2019. Estimation of North African dust contribution on PM10 episodes at four continental Greek cities. (Ecological Indicators, 106, 105530) **[IF: 4.490]**

* **IF: Journal Impact Factor 2018**

List of Conference Publications

1. P.A. KASSOMENOS, **K.DIMITRIOU**, S.K.KARAKITSIOS, and D.A. SARIGIANNIS, 2009. Indices to characterize human health damage from PM10, Ozone in life cycle

basis. Proceedings of the 11th International Conference on Environmental Science and Technology (CEST), pgs 568-575. Chania, Crete, Greece, 3-5 September.

2. G.R. Mc-GREGOR, **K.DIMITRIOU**, P.A. KASSOMENOS, A.K. PASCHALIDOU, 2016. Exploring the Meteorological Origins of Winter Mortality in England Using Back Trajectory Analysis. (7th Conference on Environment and Health, American Meteorological Society, New Orleans, 10-14 January 2016).
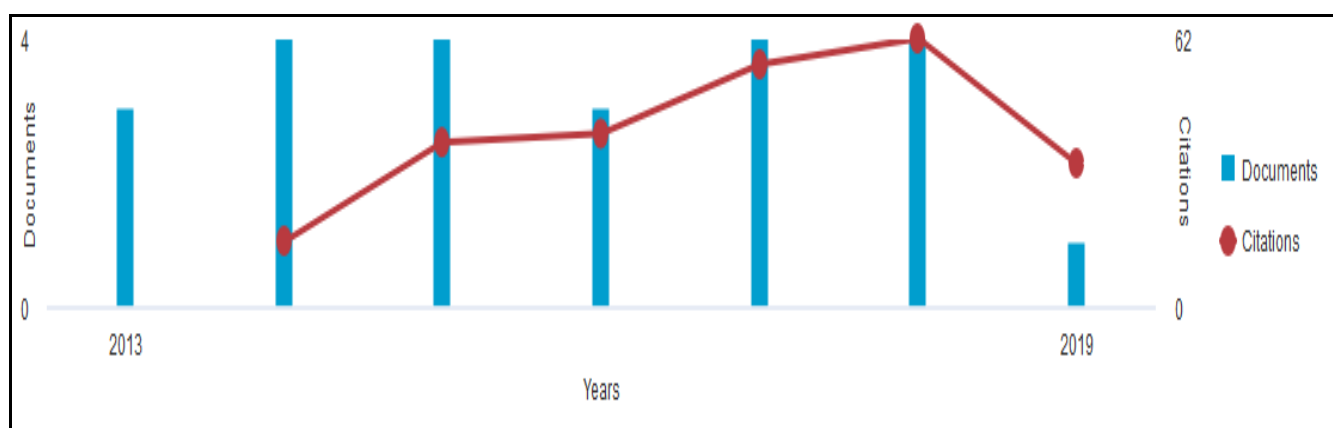
Available oral presentation: https://ams.confex.com/ams/96Annual/webprogram/Paper284191.html
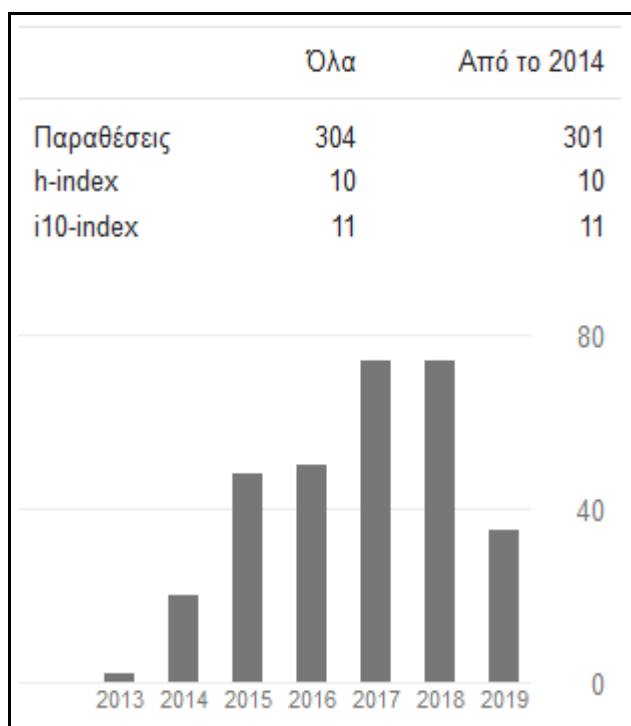
Computing Skills

- Programming skills in FORTRAN

- Programming skills in R

- Basic Programming skills in Python

- Experience in statistical data processing with statistical package SPSS (V18-V22)

- User of Grapher and Surfer visualisation packages

- Fluent in Microsoft Office (Excel, Word, PowerPoint) and Internet. ECDL modules 3 "Word processing", 4 "Spreadsheets", 7 "Web browsing and communication"

H-Index and Citations

- h-index (Scopus): 10   [Number of citations: 244]

- h-index (Google Scholar): 10   [Number of citations: 304]

	Όλα	Από το 2014
Παραθέσεις	304	301
h-index	10	10
i10-index	11	11

General Education

- Driving Licence (Type B)
  Ministry of Transports and Communications – Hellenic Republic

- 6-year Cello musical studies at the Municipal Conservatoire of Ioannina (Higher level)

- 6-year Accordion musical studies at the Hellenic National Conservatoire (Moderate Level)

- 3-year Musical Theory lessons and sol fez at the Hellenic National Conservatoire

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Languages

❖ **English (Excellent)**   :
- I.E.L.T.S. (Academic) Certificate, University of Cambridge, September 2013 (Grade: 8.0 / 9.0)

- First Certificate in English, University of Cambridge, June 1995

❖ **<u>French (Moderate)</u>** : • D.E.L.F. I

Diplôme d' études en langue française

Modules: A1, A2, A3, A4

June 1996

• Certificat de la langue française

September 1996

❖ **<u>Greek (Excellent)</u>** : • Native language

Reviewer in International Journals

1. Environmental Pollution

2. Atmospheric Pollution Research

3. Atmospheric Research

4. Atmospheric Environment

5. Science of the Total Environment

6. Aerosol and Air Quality Research

7. Chemosphere

Awards and distinctions

1. **[2015]** Recognized reviewer in Atmospheric Pollution Research

2. **[2016]** Recognized reviewer in Atmospheric Research

3. **[2017]** Recognized reviewer in Atmospheric Environment

4. **[2017]** Outstanding reviewer in Environmental Pollution

5. **[2018]** Outstanding reviewer in Science of the Total Environment