



### Academic Personnel Short Profile / Short CV

<b>University:</b>	Open University of Cyprus
<b>Surname:</b>	Kolios
<b>Name:</b>	Stavros
<b>Rank:</b>	Adjunct Faculty (Tutor)
<b>Faculty:</b>	Faculty of Pure and Applied Sciences
<b>Department:</b>	Environmental Conservation and Management
<b>Scientific Domain: *</b>	Satellite remote sensing focused in Meteorology and the environmental analysis

\* *Field of Specialization*

### Academic qualifications (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title
Phd	2009	University of the Aegean	Department of Geography	Development of an automated short-range forecasting system of Mesoscale Convective Systems for the Mediterranean basin using satellite Meteosat Second Generation imagery
MSc	2005	Aristotle University of Thessaloniki (Au.th)	Department of Physics (Greece)	Application of Geographical Information Systems (G.I.S) techniques in satellite data analysis
Bachelor	2003	Aristotle University of Thessaloniki (Au.th)	Department of Physics (Greece)	Analysis of UltraViolet solar radiation with the use of Geographical Information Systems

### Employment history – List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			

November 2017	February 2018	Technological Educational Institute of Epirus	Arta	<i>Research Team Member</i>
December 2016	December 2017	Computer Technology Institute and Press "Diophantus" (CTI)	Patras	<i>Research Team Member</i>
November 2014	November 2016	Hellenic Agricultural Organisation "DEMETER"	Ioannina	<i>Scientific/Project Coordinator</i>

<b>Key <u>refereed</u> journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)</b>						
<b>Ref. Number</b>	<b>Year</b>	<b>Title</b>	<b>Other authors</b>	<b>Journal and Publisher / Conference</b>	<b>Vol.</b>	<b>Pages</b>
1	2019	TRMM-based rainfall variability over the Central Mediterranean and its relationships with atmospheric and oceanic climatic modes	Kalimeris A.	Atmospheric Research	230	doi.org/10.1016/j.atmosres.2019.104649
2	2019	Evaluation of the TRMM rainfall product accuracy over the central Mediterranean during a twenty-year period (1998-2017)	Kalimeris A.	Theoretical and Applied Climatology	-	Accepted
3	2019	Quantitative Aerosol Optical Depth detection during dust outbreaks from Meteosat imagery using an Artificial Neural Network model	Hatzianastassiou N.	Remote Sensing	11(9)	<a href="https://doi.org/10.3390/rs11091022">doi.org/10.3390/rs11091022</a>
4	2018	<i>Detection of areas susceptible for land degradation in Cyprus using remote sensed data and environmental quality indices</i>	Mitrakos S., Stylios C.	Land Degradation & Development		<a href="https://doi.org/10.1002/ldr.3024">https://doi.org/10.1002/ldr.3024</a>
5	2018	<i>Study of Mesoscale Cloud System Oscillations Capable of Producing Convective Gravity Waves</i>	-	Climate	6(2)	doi.org/10.3390/cli6020025
6	2017	<i>Observed temperature extremes in Greece and their relation with the North Atlantic Oscillation</i>	Antonatou G., Zervas E.	International Journal of Global Warming		

7	2015	<i>A WebGIS platform to monitor environmental conditions in ports and their surroundings in South Eastern Europe</i>	Stylios C.	Environmental Monitoring and Assessment	34 (21)	7706-7722
8	2013	<i>Achieving downscaling Meteosat thermal infrared imagery using artificial neural networks</i>	Georgoulas, G., Stylios, C.	International Journal of Remote Sensing		
9	2013	<i>Identification of land cover/land use changes in the greater area of the Preveza peninsula in Greece using Landsat satellite data</i>	Stylios C.	Applied Geography	40	150-160
10	2011	<i>An automated nowcasting system of Mesoscale Convective Systems for the Mediterranean basin using Meteosat imagery. Part I: System description.</i>	Feidas H.	Meteorological Applications	20 (3)	287-295

**Exhibitions (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)**

Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1	07 - 12 April 2019	Nowcasting Aerosol Optical Depth using multispectral Meteosat imagery	International	Vienna, European Geosciences Union General Assembly (EGU)	Author
2	April 22-26, 2018	Web-based Geographical Information System for real-time flood monitoring of the river Arachthos in Epirus Region, Greece	International	Athens, 10 <sup>th</sup> International Conference on Advances in Satellite and Space Communications SPACOMM	Author
3	April 16-19, 2018	<i>Development of weather application for enhancing sea safety and rescue operations</i>	International	Vienna, Austria Proceedings of 7th Transport Research Arena	Author
4	October 5-8, 2017	<i>Ensemble learning for forecasting main meteorological parameters</i>	International	Banff, Canada, IEEE International Conference on	Author

				Systems, Man and Cybernetics	
5	19-21 September , 2016	<i>Annual and monthly precipitation variability in the Ionian Islands using 16-year TRMM data</i>	International	13 <sup>th</sup> International Conference on Meteorology, Climatology and Atmospheric Physics (COMECAP), Thessaloniki, Greece	Author
6	4-6 July,	<i>A WebGIS application for cloud storm monitoring</i>	International	12 <sup>th</sup> International Baltic Conference on Databases and Information Systems, Riga, Latvia	Author
7	14-15 December 2015, Bari, Italy	<i>Marine weather monitoring through a WebGIS application</i>	International	Toward Emerging Technology for Harbour SYstems and Services (TETHYS 2015) Workshop, Bari (Italy)	Author
8	28-31 October, 2014	<i>Spatiotemporal relation between sea surface temperature and cloud convection in the Mediterranean basin during warm season</i>	International	Earth observation for ocean-atmosphere interactions science. European Space Agency Conference, Rome, Italy,	Author
9	30/09/2013 - 02/10/2013	<i>Integrated large-scale Environmental Information Systems: A short survey</i>	International	14 <sup>th</sup> IFIP Working Conference on Virtual Enterprise (PRO-VE'13), Dresden, Germany	Author
10	21-26 April 2013, Venice. Italy	<i>Cloud top height estimation from the Meteosat water vapor imagery using computational intelligence techniques: Preliminary results</i>	International	Fifth International Conference on Advances in Satellite and Space Communications, SPACOMM	Author

\*Specify venue, geographic location etc

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	Date	Title	Funded by	Project Role*
1	March 2017 – March 2019	Automated early warning satellite-based system regarding heavy rainfall, hail and dust storms	<i>through IKY (State scholarships Foundation) programme, co-financed by the European Union (European Social Fund - ESF) and Greek national funds through the action entitled “Reinforcement of Postdoctoral Researchers”, in the framework of the Operational Programme “Human Resources Development Program, Education and Lifelong Learning” of the National Strategic Reference Framework (NSRF) 2014–2020</i>	Main Researcher
2	November 2017 – February 2018	Integrated information system for flood events monitoring, management and early warning in the wider area of <b>Arachthos</b>	Operational Programme «Epirus» 2014-2020, Priority Axis 2 «Environmental Protection and Sustainable Growth», Co-financed by the European Regional Development Fund (ERDF)	<i>Research Team Member</i>
3	December 2016 – December 2017	Lean innovative connected vessels (Lincoln)	EU research and innovation framework programme HORIZON 2020	<i>Research Team Member</i>
4	November 2014 – November 2015	A satellite-based automated system to detect and forecast cloud storms focused on the protection of the Greek agricultural sector	Research project funded under the Action “Research & Technology Development Innovation projects ( <b>AgroETAK</b> )”, MIS 453350	<i>Scientific/Project Coordinator</i>
5	February 2014 – September 2015	<b>Passengers and Logistics information Exchange System (“ARGES”)</b>	<i>The program implemented in the framework of INTERREG which co-funded by the European Union (ERDF) and by the National Funds of Greece &amp; Italy</i>	<i>Research Team Member</i>
6	January 2014 – June 2014	<b>DEMSNIISI</b> (Development of an Environmental-Meteorological Stations Network on the Ionian Islands and Southern Italy)	<i>The program implemented in the framework of INTERREG which co-funded by the European Union (ERDF) and by the National Funds of Greece &amp; Italy</i>	<i>Research Team Member</i>
7	December 2012 – September 2014	<b>TEN-ECOPORT</b> – Transnational Enhancement of ECOPORT8”. <i>TEN ECOPORT - Transnational ENhancement of ECOPORT8 network</i>	<i>South East Europe Transnational Cooperation Programme PRIORITY AXIS 2: Protection and Improvement of the Environment</i>	<i>Research Team Member</i>

8	July 2011 – MArch 2013	APC - <b>Adriatic Port Community</b>	<i>IPA Adriatic Cross-Border Cooperation Programme 2007-2013</i>	<i>Research Team Member</i>
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*\*Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*