

ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ



Δημήτριος Κατσάνος

ΑΤΟΜΙΚΑ ΣΤΟΙΧΕΙΑ

ΟΝΟΜΑ : Δημήτριος

ΕΠΙΘΕΤΟ: Κατσάνος

ΗΜΕΡΟΜΗΝΙΑ ΓΕΝΝΗΣΗΣ: 04/06/1974

ΣΤΟΙΧΕΙΑ ΕΠΙΚΟΙΝΩΝΙΑΣ

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ΠΑΝΕΠΙΣΤΗΜΙΑΚΗ ΕΚΠΑΙΔΕΥΣΗ

09/1993 - 09/1998: ΠΤΥΧΙΟ ΦΥΣΙΚΗΣ (ΕΚΠΑ, Τμ. Φυσικής, Σχ. Θετικών Επιστημών)

Πτυχιακή Εργασία: «Επεισόδια Φωτοχημικής Ρύπανσης στο Λεκανοπέδιο Αττικής»

11/1998 - 03/2001: ΜΕΤΑΠΤΥΧΙΑΚΕΣ ΣΠΟΥΔΕΣ ΜΔΕ «ΦΥΣΙΚΗ ΠΕΡΙΒΑΛΛΟΝΤΟΣ»

(ΕΚΠΑ, Τμ. Φυσικής, Σχ. Θετικών Επιστημών)

Πτυχιακή Εργασία: «Συσχέτιση σε χρονοσειρές Βροχόπτωσης»

02/2004 - 05/2007: ΔΙΔΑΚΤΟΡΙΚΟ (ΠΑΝ/ΜΙΟ ΠΑΤΡΩΝ, Τμ. Φυσικής)

ΤΙΤΛΟΣ ΔΙΑΤΡΙΒΗΣ: «Μελέτη Έντονων Καιρικών Φαινομένων με τη βοήθεια Δεδομένων Δορυφόρων Παρακολούθησης του Ατμοσφαιρικού Περιβάλλοντος και Δεδομένων Ατμοσφαιρικής Ηλεκτρικής Δραστηριότητας»

ΞΕΝΕΣ ΓΛΩΣΣΕΣ

ΑΓΓΛΙΚΑ (Επίπεδο C1)

ΙΣΠΑΝΙΚΑ (Επίπεδο C1)

ΥΠΟΛΟΓΙΣΤΕΣ – ΓΛΩΣΣΕΣ ΠΡΟΓΡΑΜΜΑΤΙΣΜΟΥ

FORTRAN

UNIX, LINUX

WRF MODEL

NCL, CDO, R, GrADS, MATLAB

Mac OS, WINDOWS, OFFICE

ΕΠΑΓΓΕΛΜΑΤΙΚΗ ΕΜΠΕΙΡΙΑ

1998-2000 Εργαστηριακός Συνεργάτης – ΕΚΠΑ, Τμ. Φυσικής, Εργ. Μετεωρολογίας

2000-2001 Καθηγητής Φυσικής – Φροντιστήριο Μέσης Εκπαίδευσης

2001-2002 Στρατιωτική Θητεία (Διαβιβάσεις – Χειρ. Πολυδιαυλικών Συστημάτων)

2002-2003 Εργαστηριακός Συνεργάτης – ΑΣΠΑΙΤΕ, Εργ. Φυσικής

2002-2006 Εξωτερικός Συνεργάτης (Βελτιστοποίηση Μεθόδων Πρόγνωσης Καιρού)

ΕΘΝΙΚΟ ΑΣΤΕΡΟΣΚΟΠΕΙΟ ΑΘΗΝΩΝ, ΙΕΠΒΑ

2006-2017 Ειδικό Τεχνικό Επιστημονικό Προσωπικό (Βελτιστοποίηση Μεθόδων Πρόγνωσης Καιρού, Επιχειρησιακή Πρόγνωση Καιρού, Δίκτυο Μετεωρολογικών Σταθμών)

ΕΘΝΙΚΟ ΑΣΤΕΡΟΣΚΟΠΕΙΟ ΑΘΗΝΩΝ, ΙΕΠΒΑ

2011-2013 Μεταδιδακτορικός Ερευνητής (Remote Sensing of Precipitation)
UNIVERSITY OF CASTILLA-LA MANCHA, Institute for Environmental Sciences (TOLEDO, SPAIN)

2017 - Ειδικός Λειτουργικός Επιστήμονας Β' – (Εφαρμογές Αριθμητικών Μοντέλων και Τηλεπισκόπησης στη Μετεωρολογία και την Κλιματολογία)

ΕΘΝΙΚΟ ΑΣΤΕΡΟΣΚΟΠΕΙΟ ΑΘΗΝΩΝ, ΙΕΠΒΑ

ΕΡΓΑΣΙΕΣ – ΕΠΙΣΤΗΜΟΝΙΚΟ ΕΡΓΟ

ΔΙΕΘΝΗ ΕΠΙΣΤΗΜΟΝΙΚΑ ΠΕΡΙΟΔΙΚΑ / ΚΕΦΑΛΑΙΑ ΣΕ ΒΙΒΛΙΑ / ΠΑΡΑΚΤΙΚΑ ΣΥΝΕΔΡΙΩΝ

1. **D. Katsanos**, K. Lagouvardos, V. Kotroni and G. J. Huffmann “Statistical evaluation of MPA-RT high resolution precipitation estimates from satellite platforms over the central and eastern Mediterranean”, *Geophysical Research Letters*, Vol. 31, 2004.
2. **D. Katsanos**, N. Viltard, K. Lagouvardos and V. Kotroni “Performance of a rain retrieval algorithm using TRMM data in the Eastern Mediterranean”. *Advances in Geosciences*, Vol.7, 2006.
3. **Katsanos**, D., Lagouvardos, K., Kotroni, V., and Argiriou, A.: Combined analysis of rainfall and lightning data produced by mesoscale systems in the central and eastern Mediterranean. *Atmos. Res.* Vol. 83, 55-63, 2007
4. **Katsanos D.**, Lagouvardos K., Kotroni V., and Argiriou A.: The Relationship of lightning activity with microwave brightness temperatures and spaceborne radar reflectivity profiles in the Central and Eastern Mediterranean *J. Appl. Meteor. & Climatol.*, 46, 1901 – 1912, 2007.
5. **Katsanos D.**, Kotroni V., and Lagouvardos K.: Lightning in the Mediterranean in Relation with Cloud Microphysical Parameters. *Lightning: Principles, Instruments and Applications*, Springer, pp 433-446, 2008 (book chapter).
6. **Katsanos D.**, Lagouvardos K., and Kotroni V.: Relationship between lightning and model simulated microphysical parameters over the central and eastern Mediterranean. *Natural Hazards and Earth System Sciences*, 9, 1719-1726, 2009.
7. M. C. Llasat, M. Llasat-Botija, M. A. Prat, F. Porcu, C. Price, A. Mugnai, K. Lagouvardos, V. Kotroni, **D. Katsanos**, S. Michaelides, Y. Yair, K. Savvidou and K. Nicolaidis “High-impact floods and flash floods in Mediterranean countries: The FLASH preliminary database”. *Advances in Geosciences*, 23, pp. 47-55, 2010.
8. C. Price, Y. Yair, A. Mugnai, K. Lagouvardos, M. C. Llasat, S. Michaelides, S. Dietrich, E. Galanti, L. Garrote, **D. Katsanos**, V. Kotroni, M. Llasat, L. Mediero, E. Morin , K. Nicolaidis, K. Savvidou, B. Ziv “The FLASH Project: Using lightning data to better understand and predict flash floods”. *Environmental Science and Policy*, Vol. 14, pp. 898-911, 2011.
9. C. Price, Y. Yair, A. Mugnai, K. Lagouvardos, M. C. Llasat, S. Michaelides, U. Dayan, S. Dietrich, E. Galanti, L. Garrote, N. Harats, **D. Katsanos**, M. Kohn, V. Kotroni, M. Llasat-Botija, B. Lynn, L. Mediero, E. Morin , K. Nicolaidis, S. Rozalis, K. Savvidou, B. Ziv “Using lightning data to better understand and predict flash floods in the Mediterranean”. *Surveys in Geophysics*, Vol. 32, pp. 733-751, 2011.
10. **D. Katsanos**, E. García-Ortega, M. de Castro, E. Arias, and F. J. Tapiador “High-resolution, near real time simulation of microwave radiance using a simple land-cover based emissivity prior”. *Advances in Meteorology*, vol.2014, 2014. doi:10.1155/2014/585296.
11. F. J. Tapiador, S. Kacimi, M. de Castro, V. Levizzani, **D. Katsanos**, and E. García-Ortega, 2015: “Precipitation Science: Observations, Retrievals, and Modeling”. *Advances in Meteorology*, Volume 2015, 2015. <http://dx.doi.org/10.1155/2015/843403>.
12. A. Retalis, D. Paronis, and **D. Katsanos** “Intercomparison between MODIS 3km aerosol optical depth and ground PM10 measurements over Athens-Greece”. *Proc. SPIE 9640, Remote Sensing of Clouds and the Atmosphere XX*, 96400S, 2015. doi:10.1117/12.2194517.
13. A. Retalis, **D. Katsanos** and S. Michaelides “Precipitation Climatology over the Mediterranean Basin: Validation over Cyprus”. *Atmos. Res.*, Vol.169 PartB, 449 – 458, 2016. doi:10.1016/j.atmosres.2015.01.012.

14. **D. Katsanos**, A. Retalis and S. Michaelides “Validation of a high-resolution precipitation database (CHIRPS) over Cyprus for a 30-year period”. *Atmos. Res.*, Vol.169 PartB, 459 – 464, 2016. doi:10.1016/j.atmosres.2015.05.015.
15. F. J. Tapiador, A. Beranghi, Z. S. Haddad, **D. Katsanos**, and M. de Castro “Disruptions in Precipitation Cycles: Attribution to Anthropogenic Forcing”. *J. Geophys. Res. Atmos.*, 121, 2161 – 2177, 2016. doi:10.1002/2015JD23406.
16. **D. Katsanos**, A. Retalis, F. Tymvios, and S. Michaelides “Analysis of precipitation extremes based on satellite (CHIRPS) and in situ data set over Cyprus”. *Nat. Hazards*, 2016, doi: 10.1007/s11069-016-2335-8.
17. F. Tymvios, S. Michaelides, **D. Katsanos**, A. Retalis and J. Lelieveld, 2016: “Increasing Spatial Resolution of CHIRPS rainfall datasets for Cyprus with Artificial Neural Networks”. *Proc. of SPIE Vol. 9688*, 2016, doi: 10.1117/12.2242820.
18. **D. Katsanos**, A. Retalis, F. Tymvios, and S. Michaelides “Study of Precipitation Extremes in Cyprus”. *Perspectives on Atmospheric Sciences*, Springer Atmospheric Sciences, 2017, DOI 10.1007/978-3-319-35095-0_80 (proceedings).
19. A. Retalis, F. Tymvios, **D. Katsanos**, and S. Michaelides “Downscaling CHIRPS precipitation data: an artificial neural network modelling approach”. *Int. J. Rem. Sensing*, 2017, 38:13, 3943-3959, doi: 10.1080/01431161.2017.131203.
20. **D. Katsanos**, A. Retalis, F. Tymvios, and S. Michaelides “Study of extreme wet and dry periods in Cyprus using climatic indices”. *Atmospheric Research* (2017), <http://dx.doi.org/10.1016/j.atmosres.2017.09.002>.
21. **D. Katsanos**, A. Bougiatioti, E. Liakakou, D.G. Kaskaoutis, I. Stavroulas, D. Paraskevopoulou, M. Lianou, B.E. Psiloglou, E. Gerasopoulos, and N. Mihalopoulos “Optical Properties of Near-surface Urban Aerosols and their Chemical Tracing in a Mediterranean City (Athens)”. (2018, AAQR, doi: 10.4209/aaqr.2017.11.0544, *In Press*).
22. A. Retalis, **D. Katsanos**, F. Tymvios and S. Michaelides “Validation of the first years of GPM operation over Cyprus”. (2018, *Remote Sens.* 2018, 10, 1520; doi:10.3390/rs10101520).
23. A. Retalis, **D. Katsanos**, F. Tymvios and S. Michaelides “Comparison of GPM IMERG and TRMM 3B43 products over Cyprus”. *Remote Sens.* 2020, 12(19), pp. 1–18, 3212.
24. A. Retalis, **D. Katsanos**, F. Tymvios and S. Michaelides “Evaluation of TRMM-era data over the Mediterranean region”. *Precipitation Science*, 2021, Book chapter. <https://doi.org/10.1016/B978-0-12-822973-6.00017-2>.
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26. Roukounakis N., Elias P., Briole P., **Katsanos D.**, Kioutsioukis I., Argiriou A., Retalis A. “Application of a GNSS-validated high-resolution weather model in the area of the western Gulf of Corinth, for the correction of tropospheric phase delay in interferometric synthetic aperture radar (InSAR) observations.” *Remote Sens.* 2021, 13, 2258. <https://doi.org/10.3390/rs13122258>.
27. Koussis A. D., Dimitriadis P., Lykoudis S., Kappos N., **Katsanos D.**, Koletsis I., Psiloglou B., Rozos E., Mazi K. “Discharge determination from surface-velocity observations: an assessment of maximum entropy-based methods”. 2021 (accepted for publication to *Hydrological Sciences Journal*).
28. Mamassis N., Mazi K., Lykoudis S., Kappos N., **Katsanos D.**, Koletsis I., Psiloglou B., Kopania D., Rozos E., and Koussis A. D. “OpenHi.net: A synergistically built, national-scale infrastructure for monitoring the surface waters of Greece”. *Water*, 2021, 13(19), 2779. <https://doi.org/10.3390/w13192779>.

ΔΗΜΟΣΙΕΥΣΕΙΣ ΣΕ ΔΙΕΘΝΗ ΕΠΙΣΤΗΜΟΝΙΚΑ ΣΥΝΕΔΡΙΑ

1. **D. Katsanos**, K. Lagouvardos, E. Defer and V. Kotroni “Use of precipitation and lightning data for the study of mesoscale systems in the central and eastern Mediterranean” 7th Pan-hellenic (International) Conference in Meteorology, Climatology and Atmospheric Physics (Nicosia 28-30/09/2004 – IN GREEK).
2. **D. Katsanos**, K. Lagouvardos, E. Defer, V. Kotroni and A. Argiriou “Correlation of Lightning Activity with Brightness Temperatures in the Mediterranean Sea”. EGU General Assembly (Βιέννη, 24-29/4/2005).
3. **D. Katsanos**, K. Lagouvardos, E. Defer, V. Kotroni and A. Argiriou “Correlation of Lightning Activity with Brightness Temperatures and Radar Reflectivity Profiles in the Mediterranean”. 7th Plinius Conference on Mediterranean Storms (Ρέθυμνο, 5-7/10/2005).
4. **D. Katsanos**, N. Viltard, K. Lagouvardos and V. Kotroni “Performance of a rain retrieval algorithm using TRMM data in the Eastern Mediterranean”. 7th Plinius Conference on Mediterranean Storms (Ρέθυμνο, 5-7/10/2005).
5. **D. Katsanos**, K. Lagouvardos, V. Kotroni and A. Argiriou “Correlation of Lightning Activity with Radar Reflectivity Profiles in the Mediterranean” 8th Pan-hellenic (International) Conference in Meteorology, Climatology and Atmospheric Physics (Athens 23-25/05/2006 – IN GREEK).
6. **D. Katsanos**, K. Lagouvardos, V. Kotroni and A. Argiriou “Correlation of Lightning Activity with Dynamic Parameters of meso-scale systems in the Central and Eastern Mediterranean”. 8th Plinius Conference on Mediterranean Storms (Νεκρά Θάλασσα, Ισραήλ, 17-20/10/2006).
7. **D. Katsanos**, K. Lagouvardos, V. Kotroni and A. Argiriou “Lightning Activity in the Central and Eastern Mediterranean and its relationship with Cloud Microphysical Characteristics and Radar Reflectivity, measured by Spaceborne Sensors”. Συμμετοχή στο συνέδριο EGU General Assembly (Βιέννη, 26-29/4/2007).
8. **D. Katsanos**, K. Lagouvardos and V. Kotroni, 2007: “Relationship between cloud-to-ground lightning activity and cloud ice distribution profiles produced by MM5 model over the eastern Mediterranean”. 9th EGU Plinius Conference on Mediterranean Storms (Varenna – Italy, 10-13/09/2007).
9. **D. Katsanos**, V. Kotroni and K. Lagouvardos «Relationship between lightning activity and cloud ice distribution profiles produced by NWP model over the eastern Mediterranean», 9th Pan-Hellenic (International) Conference in Meteorology, Climatology and Atmospheric Physics. (Thessaloniki, 28-30/5/2008 – IN GREEK).
10. **D. Katsanos**, V. Kotroni and K. Lagouvardos, 2008: Relationship between observed cloud-to-ground lightning from ZEUS network and simulated cloud microphysics parameters from MM5 model over the central and eastern Mediterranean. 10th EGU Plinius Conference on Mediterranean Storms (Nicosia – Cyprus, 22-24/09/2008).
11. **D. Katsanos**, K. Lagouvardos and V. Kotroni 2009: Study of the temporal and spatial relationship between lightning and rainfall in thunderstorms over Greece. 11th EGU Plinius Conference on Mediterranean Storms (Barcelona – Spain, 8-10 /09/ 2009).
12. K. Lagouvardos, V. Kotroni, S. Vougioukas, **D. Katsanos**, I. Koletsis, S. Lykoudis and N. Mazarakis «The Automatic Meteorological Stations Network of the National Observatory of Athens: Present Situation and Prospects», 10th Pan-Hellenic (International) Conference in Meteorology, Climatology and Atmospheric Physics. (Patras, 25-28 /5/ 2010 – IN GREEK).
13. **D. Katsanos**, K. Lagouvardos, V. Kotroni and H. Feidas, 2010: Use of METEOSAT data for the investigation of pre-convective conditions of warm season thunderstorms over the

- Southeastern Europe. 12th EGU Plinius Conference on Mediterranean Storms (Corfu – Greece, 1-4 /09/ 2010).
14. E. García-Ortega, F. J. Tapiador, L. López, **D. Katsanos** and J.L. Sánchez, 2011: A GPM simulator to improve the NWP of severe events. 6th European Conference on Severe Storms (Palma de Mallorca, Spain, 3-7/10/2011).
 15. F. J. Tapiador, M. de Castro, F. Cuartero, E. Arias, D. Cazorla, J. Pardo, J. L. Sánchez, E. García-Ortega, C. Marcos, M. A. Martinez, G. Sánchez, R. Checa, **D. Katsanos** and W. Petersen, 2011: Spanish GPM Activities. NASA, PMM Science Team Meeting. (Denver – USA, 7-10/11/2011).
 16. **D. Katsanos**, F.J. Tapiador, E. García-Ortega, M. de Castro, D. Cazorla and E. Arias, 2013: Simulation of Microwave and infrared Radiances Using WRF+SDSU NASA, PMM Science Team Meeting. (Annapolis – USA, 18-22/03/2013).
 17. F. J. Tapiador, E. Arias, F. Cuartero, D. Cazorla, J. Pardo, **D. Katsanos**, A. Navarro, and M. de Castro, 2013: Estimating Renewable Energy Potential Through Numerical Models in Present and Changing Climates. Energy and Environment Knowledge Week. (Toledo, Spain, 20-22/11/2013).
 18. A. Retalis, **D. Katsanos** and S. Michaelides, 2014: “Precipitation Climatology over the Mediterranean Basin: Cyprus a case study”. EGU General Assembly. (Vienna, Austria, 27/04 – 02/05/2014).
 19. A. Zarkadoulas, K. Mantesi, A. Efstratiadis, A. Koussis, A. Mazi, **D. Katsanos**, A. Koukouvinos and D. Koutsoyiannis, 2015: “A hydrometeorological forecasting approach for basins with complex flow regime”. EGU General Assembly. (Vienna, Austria, 12-17/4/2015).
 20. N. Roukounakis, P. Elias, P. Briole, A. Argyriou, I. Kioutsoukis, A. Retalis, **D. Katsanos**, A. Ganas and D. Dimitrov, 2015: “Improvement of the vertical component of GPS and INSAR measurements in the western Corinth Gulf (Greece), by the use of high-resolution meteorological modeling of the lower troposphere: The PaTrop Experiment”. 12th ECAM Conference. (Sofia, Bulgaria, 07-11/9/2015).
 21. A. Retalis, D. Paronis, and **D. Katsanos**, 2015: “Intercomparison between MODIS 3km aerosol optical depth and ground PM10 measurements over Athens-Greece”. SPIE Remote Sensing. (Toulouse, France, 21-24/9/2015).
 22. N. Roukounakis, P. Elias, P. Briole, A. Argyriou, I. Kioutsoukis, A. Retalis and **D. Katsanos**, 2015: “Improved estimation of the tropospheric delay component in GPS measurements in the western Corinth Gulf (Greece), by the use of high-resolution meteorological model: The PaTrop Experiment”. 9th HYMEX Workshop. (Mykonos, Greece, 21-25/9/2015).
 23. F. Tymvios, S. Michaelides, **D. Katsanos** and A. Retalis, 2016: “Increasing Spatial Resolution of CHIRPS dataset for Cyprus with Artificial Neural Networks”. 4th International Conference on Remote Sensing and Geoinformation of Environment - RSCY2016. (Cyprus, 04-06/04/2016).
 24. F. Tymvios, S. Michaelides, **D. Katsanos**, A. Retalis and J. Lelieveld, 2016: “Increasing Spatial Resolution of CHIRPS dataset for Cyprus with Artificial Neural Networks”. EGU General Assembly. (Vienna, Austria, 17-22/04/2016).
 25. **D. Katsanos**, A. Retalis, F. Tymvios and S. Michaelides, 2016: “Study of Precipitation Extremes in Cyprus”. 13th International Conference in Meteorology, Climatology and Atmospheric Physics. (Thessaloniki, 19-21/09/2016).
 26. A. Retalis, **D. Katsanos**, F. Tymvios and S. Michaelides, 2017 “Validation of GPM precipitation estimates over the Eastern Mediterranean”. EGU General Assembly. (Vienna, Austria, 23-28/04/2017).
 27. P. Elias, N. Roukounakis, **D. Katsanos**, P. Briole, C. Albinet, M. Anzidei, A. Avallone, P. Bally, C. Bignami, JL Carme, K. Chousianitis, F. Del Frate, JP Duvel, A. Ganas, S. Gandolfi,

- B. Garayt, 2018: "InSAR observations, high resolution tropospheric models and extreme meteorological events in western Greece - Using CRL (<http://crlab.eu>) as a pilot site for the NISAR mission". 1st InSAR Meteorology Workshop. (Miami, 1-2/03/2018)
28. **D. Katsanos**, A. Retalis, F. Tymvios and S. Michaelides, 2018: "Validation of the first years of GPM operation over Cyprus". EGU General Assembly. (Vienna, Austria, 08-13/04/2018).
29. C. Ntigkakis, G. Markopoulos-Sarikas, P. Dimitriadis, T. Iliopoulou, A. Efstratiadis, A. Koukouvinos, A. Koussis, K. Mazi, **D. Katsanos** and D. Koutsoyiannis, 2018: "Hydrological investigation of the catastrophic flood event in Mandra, Western Attica". EGU General Assembly. (Vienna, Austria, 08-13/04/2018).
30. Kalogiros J., Retalis A., **Katsanos D.**, Nikolopoulos E., Diakakis M., Andreadakis E., and M. Anagnostou, 2018: "An extreme flash flood event in Greece: Observations and atmospheric-hydrological modeling", 11th HYdrological cycle in the Mediterranean EXperiment (HyMeX) Workshop. (Lecce, Italy, 29/05 - 02/06/2018).
31. P. Dimitriadis, A. D. Koussis, N. Kappos, **D. Katsanos**, S. Lykoudis, K. Mazi, and E. Rozos, 2019: "Entropy-maximization method of discharge revisited: a stochastic-deterministic framework for estimating spatial velocity profiles in open-channel flow and its implications for sampling". EGU General Assembly. (Vienna, Austria, 07-12/04/2019).
32. N. Roukounakis, P. Elias, P. Briole, **D. Katsanos**, and I. Kioutsioukis, 2019: "InSAR and GNSS observations coupled with high-resolution tropospheric modelling in the western Gulf of Corinth – A synergic approach". ESA – Living Planet Symposium. (Rome, Italy, 13-17/05/2019).
33. K. Mazi, A. D. Koussis, S. Lykoudis, G. Vitantzakis, P. Dimitriadis, N. Kappos, B. Psiloglou, **D. Katsanos**, I. Koletsis, E. Rozos, and T. Kopania, 2021: "HYDRO-NET: Hydro-telemetric Network for surface waters – Innovations and Prospects". EGU General Assembly. (vEGU21: Gather Online: 19–30 April 2021).
34. G. Papangelis, J. Kalogiros, **D. Katsanos** and A. Retalis, 2021: "A 4D-Var radar data assimilation scheme for nowcasting of local extreme weather". COMECAP. (Ioannina, Greece, 26 – 29/09/2021).

ΣΥΜΜΕΤΟΧΕΣ ΣΕ ΕΠΙΣΤΗΜΟΝΙΚΑ ΠΡΟΓΡΑΜΜΑΤΑ

1. «Improvement of the forecasting abilities of atmospheric and climatic parameters in regional and local scale area of Eastern Mediterranean». Competitiveness – Promotion in Technological Development and Research – Excellence in Research Centers, Action 3.3.1. 2002 – 2006, Member of the research team.
2. «Weather routing dans la Méditerranée (WERMED) ». Interreg III. 2005-2007, Member of the research team.
3. «FLASH - Observations, Analysis and Modeling of Lightning Activity in Thunderstorms, for use in Short Term Forecasting of Flash Floods». FP6 EU in the action: Global Change and Ecosystems. 2007-2010, Member of the research team.
4. «NETMARIMED». Interreg III. 2008, Member of the research team.
5. «DEUKALION - Assessment of flood flows in Greece under conditions of hydroclimatic variability: Development of physically-established conceptual-probabilistic framework and computational tools». NSRF Greece. 2014, Member of the research team.

6. «KRIPIS/THESPIA – Infrastructure Project». 2014 – 2015, Administrative and Financial management support.
7. «PATROP – Improved estimation of the tropospheric delay component in GNSS and InSAR measurements in the Western Corinth Gulf (Greece), by the use of a high-resolution meteorological model». 2015 – 2016, WRF model setup and parameterization in the ARIS HPC system.
8. «KRIPIS II/THESPIA II – Infrastructure Project». 2017 – 2019, Member of the Research team.
9. «ACTRIS -2 Infrastructure for the observation of Aerosol, Clouds, and Trace gases». 2017 – 2018, Member of the Research team.
10. «HIMIOFOTS – Infrastructure Project». 2017 – 2019, Member of the Research team.
11. «SMURBS/ERA-PLANET – H2020 Project». 2017 – 2019, Member of the Research team.
12. «LIFE AskREACH». 2018 – 2020, Member of the Research team.

ΆΛΛΕΣ ΔΡΑΣΤΗΡΙΟΤΗΤΕΣ

Guest editor: Advances in Meteorology Special Issue on «Precipitation Science: Observations, Retrievals and Modeling»

Guest editor: Remote Sensing Special Issue on «Satellite Observation for Atmospheric Modeling »