

ΚΟΤΡΩΝΗ Βασιλική

ΑΤΟΜΙΚΑ ΣΤΟΙΧΕΙΑ

ΤΟΠΟΣ/ΧΡΟΝΟΣ ΓΕΝΝΗΣΗΣ Αθήνα, 20-11-1965
ΙΔΙΟΤΗΤΑ: Ερευνήτρια Α', Εθνικό Αστεροσκοπείο Αθηνών
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ΣΠΟΥΔΕΣ

1993: Διδακτορικό δίπλωμα Μετεωρολογίας και Φυσικής της Ατμόσφαιρας του Πανεπιστημίου Blaise Pascal (Clermont-Ferrand II), Γαλλία.
1989: DEA Μετεωρολογίας και Ωκεανογραφίας του Παν/μίου Pierre et Marie Curie (PARIS VI), Γαλλία.
1988: Πτυχίο Φυσικών Επιστημών του Πανεπιστημίου Αθηνών

ΕΠΑΓΓΕΛΜΑΤΙΚΗ ΕΜΠΕΙΡΙΑ

1993-1999: Μεταδιδακτορική έρευνα στο Εργαστήριο Μετεωρολογίας, Τμηματος Φυσικής του Πανεπιστημίου Αθηνών.
1999-2002: Ερευνήτρια Δ', Ινστιτούτο Ερευνών Περιβάλλοντος και Βιώσιμης Ανάπτυξης, ΕΑΑ.
2002-2006: Ερευνήτρια Γ', Ινστιτούτο Ερευνών Περιβάλλοντος και Βιώσιμης Ανάπτυξης, ΕΑΑ.
2006-2011: Ερευνήτρια Β', Ινστιτούτο Ερευνών Περιβάλλοντος και Βιώσιμης Ανάπτυξης, ΕΑΑ.
2011-σήμερα: Ερευνήτρια Α', Ινστιτούτο Ερευνών Περιβάλλοντος και Βιώσιμης Ανάπτυξης, ΕΑΑ.

ΘΕΜΑΤΙΚΗ ΠΕΡΙΟΧΗ ΕΙΔΙΚΕΥΣΗΣ

Αριθμητική πρόγνωση καιρού, κλιματολογία και δυναμική ατμοσφαιρικών συστημάτων (με έμφαση σε ακραία καιρικά φαινόμενα στην περιοχή της Ανατολικής Μεσογείου), δορυφορική μετεωρολογία, αστραπές και καταιγίδες.

- Υπεύθυνη επιχειρησιακής λειτουργίας των μετεωρολογικών μοντέλων MM5, WRF και WRF-CHEM.
- Υπεύθυνη λειτουργίας του δικτύου καταγραφής ηλεκτρικών εκκενώσεων ZEYΣ (6 δέκτες στην Ευρώπη).
- Υπεύθυνη λειτουργίας της υπολογιστικής υποδομής στην οποία στηρίζονται οι επιχειρησιακές λειτουργίες στο ΙΕΠΒΑ/ΕΑΑ.

ΥΠΟΤΡΟΦΙΕΣ/ ΜΕΛΟΣ ΣΕ ΔΙΕΘΝΕΙΣ - ΕΘΝΙΚΕΣ ΕΠΙΤΡΟΠΕΣ

1990-1993: Υποτροφία για την εκπόνηση διδακτορικού από το Γαλλικό Υπουργείο Ερευνας και Τεχνολογίας.
Εθνικός Εκπρόσωπος στις επιτροπές COST (Cooperation Scientifique et Technique) της Ευρωπαϊκής Ένωσης: 1994-1998, COST 617 ("Stationary sources of urban air pollutants"), 1995-1998, COST 75 ("Advanced weather radar systems"), 1999-2002, COST 717 ("Use of radar observations in hydrological and NWP models"), 2017-σήμερα COST 15211 ("Atmospheric Electricity Network: coupling with the Earth System, climate and biological systems") –αναπληρώτρια εθνικός εκπρόσωπος.

- 2002-2004: Εθνικός Εκπρόσωπος στην επιτροπή της Ευρωπαϊκής Ένωσης Expert Group Science for Climate Change (UNFCCC - United Nations Framework Convention for Climate Change).
- 2003: Συντονίστρια της επιτροπής της Ευρωπαϊκής Ένωσης Expert Group Science for Climate Change (UNFCCC - United Nations Framework Convention for Climate Change).
- 2003-2004: Μέλος της Εθνικής Εκπροσώπησης στο IPCC (Intergovernmental Panel for Climate Change).
- 2004-2006: Μέλος της επιτροπής European Grid Applications Advisory Board (EGAAP) της ΕΕ.
- 2003-2014: Μέλος της επιτροπής Hellasgrid (On Grid Computer Applications) της Γενικής Γραμματείας Κοινωνίας της Πληροφορίας,
- 2008- σήμερα: Μέλος της Science Steering Committee of the EGU Topical Plinius Conference on Mediterranean Storms
- 2010-2015: Μέλος της Task Team for Observations – TTO1 “Sounding of the atmosphere – Lightning” of HyMeX international project (www.hymex.org).
- 2013-σήμερα: Μέλος της International Scientific Steering Committee of the HYMEX (HYdrological cycle in Mediterranean EXperiment) project

ΑΛΛΕΣ ΔΡΑΣΤΗΡΙΟΤΗΤΕΣ

ΑΕΙ-ΑΝΑΘΕΣΕΙΣ ΜΑΘΗΜΑΤΩΝ

(α) 1994-1995: Ανάθεση διδασκαλίας του μαθήματος "Φυσική Μετεωρολογία Ι" στην Ανώτατη Σχολή Ικάρων, (β) 1995- 1996: Ανάθεση διδασκαλίας του μαθήματος "Φυσική Μετεωρολογία ΙΙ" στην Ανώτατη Σχολή Ικάρων, (γ) 1999: Ανάθεση διδασκαλίας του μαθήματος "Εισαγωγή στην Υδρολογία" στη βαθμίδα του Αναπληρωτή Καθηγητή (ΠΔ. 407/80), στο Τμήμα Γεωγραφίας του Πανεπιστημίου του Αιγαίου, (δ) 1999- 2000 και 2005-2006: Ανάθεση συνδιδασκαλίας του μαθήματος "Υδρομετεωρολογία" στο Μεταπτυχιακό Πρόγραμμα “Επιστήμη και Τεχνολογία Υδατικών Πόρων” στο ΕΜΠ.

ΑΕΙ-ΔΙΔΑΚΤΟΡΙΚΕΣ ΔΙΑΤΡΙΒΕΣ

Μέλος της 3μελούς Συμβουλευτικής επιτροπής για την επίβλεψη των διδακτορικών διατριβών των (α) Ν. Μαζαράκη (2006-2010, κύρια επιβλέπουσα), (β) Ο. Σιντόση (2008-2013), (γ) Κυριακής-Μαρίας Φαμέλη (2009-2015), (δ) Ι. Μαρκώνη (2009-2015), (ε) Ε. Γαλανάκη (2014-σήμερα)

Μέλος 7-μελούς εξεταστικής επιτροπής 7 διδακτορικών διατριβών στην Ελλάδα και το Εξωτερικό.

ΚΡΙΤΗΣ ΣΕ ΕΠΙΣΤΗΜΟΝΙΚΕΣ ΠΡΟΤΑΣΕΙΣ

2000: EU, 5th Framework Program, 2004: EU, 6th Framework Program, 2004-2006: Greek Secretariat for Research and Technology, 2006-2008: Cyprus Institute for Promotion of Research, 2009: EU, 7th Framework Program, 2012-2017: ANR, France, 2016: Israel Science Foundation, 2016: IKY, 2017: ΓΓΕΤ.

ΟΡΓΑΝΩΣΗ ΔΙΕΘΝΩΝ ΣΥΝΕΔΡΙΩΝ

1997: Μέλος της οργανωτικής επιτροπής του διεθνούς συμποσίου "Symposium on Regional Weather Prediction on Parallel Computer Environments", που πραγματοποιήθηκε στις 15-17 Οκτωβρίου 1997 στα Προπύλαια του Πανεπιστημίου Αθηνών.

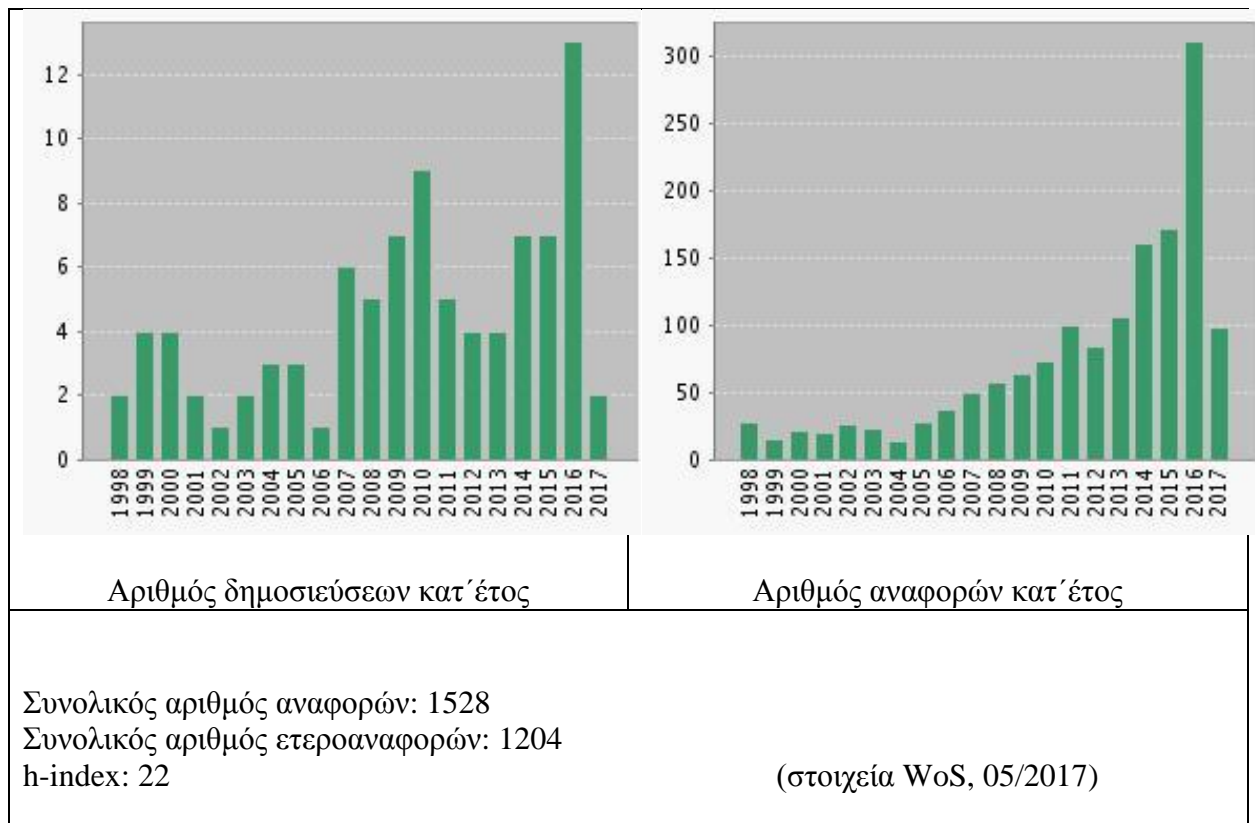
2000: Convenor στο συνέδριο της European Geophysical Union General Assembly

- 2001-σήμερα: Μέλος της επιστημονικής επιτροπής (Steering Committee) των ετησίων διεθνών συνεδρίων «Plinius Conference on Mediterranean Storms» της EGU.
- 2005: Πρόεδρος της οργανωτικής και επιστημονικής επιτροπής του συνεδρίου «7th Plinius Conference on Mediterranean Storms» της EGU, 5-7 Οκτωβρίου, Ρέθυμνο, Κρήτη.
- 2010: Μέλος της οργανωτικής επιτροπής του συνεδρίου «12th Plinius Conference on Mediterranean Storms» της EGU, 1-4 Σεπτεμβρίου, Κέρκυρα.
- 2012: Μέλος της επιστημονικής επιτροπής του διεθνούς συνεδρίου 11th International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP 2012, Athens, 29 May – 1 June 2012.
- 2015: Πρόεδρος της Επιστημονικής Επιτροπής Διοργάνωσης του 9th HYMEX workshop, 21-25 Σεπτεμβρίου, Μύκονος.
- 2017: Μέλος της Επιστημονικής Επιτροπής του 10th HYMEX workshop, 4-7 Ιουλίου, Βαρκελώνη.

EDITOR

- 2006: Guest Editor του περιοδικού Advances in Geosciences της EGU.
- 2010: Guest Co-Editor του ειδικού τόμου του περιοδικού Earth Science Informatics με τίτλο «Virtual organizations and application services for earth science on grids».
- 2013-σήμερα: Topical Editor of Annales Geophysicae.
- 2016-σήμερα: Editor Natural Hazards and Earth System Sciences

ΑΝΑΣΚΟΠΗΣΗ ΔΗΜΟΣΙΕΥΜΕΝΟΥ ΕΡΓΟΥ



ΔΗΜΟΣΙΕΥΣΕΙΣ ΣΕ ΕΠΙΣΤΗΜΟΝΙΚΑ ΠΕΡΙΟΔΙΚΑ ΜΕ ΚΡΙΤΕΣ

1. Kotroni V., and C. Amory-Mazaudier, 1993: "Influence of orographic and canopy conditions on friction velocities observed during frontal events using Doppler sodar observations". *Journal of Applied Meteorology*, 32, 506-521.
2. Beyrich F., and V. Kotroni, 1993: "Estimation of surface stress over a forest from sodar measurements and its use to parameterize the stable boundary layer height". *Boundary Layer Meteorology*, 66, 93-103.
3. Bougeault P., A. Jansa Clar, J.L. Attie, I. Beau, B. Benech, R. Benoit, P. Bessemoulin, J.L. Caccia, B. Carissimo, J.L. Champeaux, M. Crochet, A. Druilhet, P. Durand, E. Elkhalfi, A. Genoves, M. Georgelin, K.P. Hoinka, V. Klaus, E. Koffi, V. Kotroni, C. Mazaudier, J. Pelon, M. Petitdidier, Y. Pointin, D. Puech, E. Richard, T. Satomura, J. Stein, and D. Tannhauser, 1993: "The atmospheric momentum budget over a major mountain range: First results of the PYREX field program". *Annales Geophysicae*, 11, 395-418.
4. Kotroni V. and Lagouvardos K., 1993: "Low-level jet streams associated with atmospheric cold fronts - seven case studies from the FRONTS 87 experiment". *Geophysical Research Letters*, 20, 1371-1374.
5. Kotroni V., Y. Lemaitre, and M. Petitdidier, 1994: "Dynamics of a low-level jet observed during the FRONTS 87 experiment". *Quarterly Journal of Royal Meteorological Society*, 120, 277-303.
6. Kotroni V., C. Amory-Mazaudier, and K. Lagouvardos, 1994: "Doppler sodar observations of a cold front during the PYREX experiment: orographic effects". *International Journal of Remote Sensing*, 15, 489-497.
7. Kotroni V. and Lagouvardos K., 1994: "Dynamic structure and evolution of a prefrontal boundary layer: Three case studies of FRONTS 87". *Atmospheric Research*, 35, 55-70.
8. Lagouvardos K. and Kotroni V., 1995: "Upper-level frontogenesis: two case-studies from the FRONTS 87 experiment". *Monthly Weather Review*, 123, 1197-1206.
9. Kotroni V., Lagouvardos K. and Petitdidier M., 1995: "A comparison of wind profiler and sounding observations during a frontal event". *International Journal of Remote Sensing*, 16, 1685-1695.
10. Kassomenos P., Kotroni V. and Kallos G., 1995: "Analysis of the climatological and air quality observations from the Greater Athens Area". *Atmospheric Environment*, 29, 3671-3688.
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13. Kotroni V., Kallos G., and Lagouvardos K., 1997: "Convergence zones over the Greek Peninsula and associated thunderstorm activity". *Quarterly Journal of Royal Meteorological Society*, 123, 1961-1984.
14. Peleg, M., M. Luria, G. Sharf, A. Vanger, G. Kallos, V. Kotroni, K. Lagouvardos, and M. Varinou, 1997: "Observational Evidence of an Ozone Episode over the Greater Athens Area". *Atmospheric Environment*, 31, 3969-3983.
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18. Kotroni V., G. Kallos, K. Lagouvardos, M. Varinou, and R. Walko, 1999: "Numerical simulations of the meteorological and dispersion conditions during an air pollution episode over Athens, Greece". *Journal of Applied Meteorology*, 38, 432-447.
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43. Katsanos D., K. Lagouvardos, V. Kotroni and A. Argiriou, 2007: Combined analysis of rainfall and lightning data produced by mesoscale systems in the Central and Eastern Mediterranean, *Atmospheric Research*, 83, 55-63
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ΕΠΙΣΤΗΜΟΝΙΚΟΣ ΥΠΕΥΘΥΝΟΣ ΕΡΕΥΝΗΤΙΚΩΝ ΚΑΙ ΑΛΛΩΝ ΠΡΟΓΡΑΜΜΑΤΩΝ

| Τίτλος Προγράμματος / Φορέας Χρηματοδότησης | Διάρκεια | Προϋπολογισμός για το ΕΑΑ (Ευρώ) |
|---|-----------------|---|
| ΕΠΙΚΕΦΑΛΗΣ ΕΤΑΙΡΟΣ ΕΥΡΩΠΑΪΚΩΝ ΠΡΟΓΡΑΜΜΑΤΩΝ | | |
| 1. «Drought and fire observatory and early warning system (DISARM)». Χρηματοδότηση: Transnational Cooperation Programme Interreg Balkan-Mediterranean 2014-2020 | 2017-2019 | 1.028.000 (ΕΑΑ: 356.000) |
| ΕΤΑΙΡΟΣ ΣΕ ΕΥΡΩΠΑΪΚΑ ΠΡΟΓΡΑΜΜΑΤΑ | | |
| 1. «EURORISK.PREVIEW». Χρηματοδότηση: 6 ^ο Πρόγραμμα Πλαίσιο Programme Aeronautic & Space second call, area GMES | 2005-2008 | 163.000 |
| 2. «Mediterranean Experiment on "Cyclones that produce high impact weather in the Mediterranean (MEDEX)», Μέλος της επιτροπής επιστημονικής στήριξης. | 2001-2005 | Ανευ Χρηματοδότησης, Υπό την αιγίδα του WMO |
| 3. «Weather Risk Reduction in the Central and Eastern Mediterranean - RISKMED». Χρηματοδότηση: INTERREG III, STRAND B – ARCHIMED. | 2006-2009 | 101.000 |
| 4. «SEE-GRID eInfrastructure for Regional eScience». Χρηματοδότηση: INFRA-2007-1.2.2, Integrating Activities – ICT-based e-Infrastructures. | 2008-2010 | 49.000 |
| 5. «HYMEX- Hydrological Cycle in the Mediterranean Experiment». | 2008-2020 | Ανευ Χρηματοδότησης |
| 6. «Floods and Fire risk assessment and management - FLIRE» Χρηματοδότηση: LIFE11 ENV/GR/975. | 2012-2015 | 131.000 |
| 7. «VRE for regional Interdisciplinary communities in Southeast Europe and the Eastern Mediterranean – VI-SEEM» Χρηματοδότηση: Horizon2020--EINFRA-2015-1. | 2015-2018 | 60.000 |
| 8. «Cyclone processes leading to extreme rainfall in the Mediterranean region — ExMeCy » | 2016-2018 | 152.000 |

Χρηματοδότηση: H2020-MSCA-IF-2014.

ΕΠΙΚΕΦΑΛΗΣ ΕΤΑΙΡΟΣ ΣΕ ΕΘΝΙΚΑ ΠΡΟΓΡΑΜΜΑΤΑ

| | | |
|---|-----------|---------|
| 1. «Βελτίωση προγνωστικών δυνατοτήτων των ατμοσφαιρικών και κλιματικών παραμέτρων σε περιοχική και τοπική κλίμακα στην περιοχή της Ανατολικής Μεσογείου», Χρηματοδότηση: ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΠΡΟΓΡΑΜΜΑ ΑΝΤΑΓΩΝΙΣΤΙΚΟΤΗΤΑ - ΑΡΙΣΤΕΙΑ | 2002-2005 | 500.000 |
| 2. «Εκτίμηση πεδίων βροχόπτωσης από μετεωρολογικούς δορυφόρους και συνδυασμένη χρήση τους με μοντέλα πρόγνωσης καιρού» Χρηματοδότηση: Διακρατική Συνεργασία «Ελλάδα-Ιταλία», ΓΓΕΤ | 2002-2005 | 17.500 |
| 3. «Βελτίωση της πρόγνωσης έντονων καιρικών φαινομένων στην Κεντρική και Ανατολική Μεσόγειο». Χρηματοδότηση: Εθνική Συμμετοχή σε πρόγραμμα του Committee on the Challenges of Modern Society/CCMS του NATO | 2002-2005 | 16.000 |
| 4. «Λεπτομερής αποτύπωση κατακρημνισμάτων, εκτίμηση του υδρολογικού ισοζυγίου στον ταμειυτήρα του Μόρνου και πρόγνωση ακραίων επεισοδίων βροχής». ΕΥΔΑΠ | 2012-2013 | 105000 |

ΕΤΑΙΡΟΣ ΣΕ ΕΘΝΙΚΑ ΠΡΟΓΡΑΜΜΑΤΑ

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| 1.HellasHPC. ΓΓΕΤ | 2010 | 3.000 |
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ΠΑΡΟΧΗ ΥΠΗΡΕΣΙΩΝ ΜΕΤΕΩΡΟΛΟΓΙΚΩΝ ΠΡΟΓΝΩΣΕΩΝ

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|---|-----------|-------------|
| Παροχή μετεωρολογικών προγνώσεων στις παρακάτω εταιρείες/υπηρεσίες (Vodafone-Live, Cosmote, I-mode, M-stat, Voiceweb), Παροχή διαφημιστικού χώρου (www.meteo.gr) | 2003-2016 | ~ 1.500.000 |
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ΧΟΡΗΓΙΕΣ

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|---|-----------|-------|
| Υποστήριξη της ανάπτυξης ενότητας πρόγνωσης καιρού οδικών δικτύων αλλά και της συντήρησης του αντίστοιχου δικτύου αυτόματων μετεωρολογικών σταθμών. Χορηγία Interamerican | 2012-2013 | 25000 |
|---|-----------|-------|

ΠΡΟΣΦΑΤΕΣ ΣΥΜΜΕΤΟΧΕΣ ΣΕ ΕΡΕΥΝΗΤΙΚΑ ΠΡΟΓΡΑΜΜΑΤΑ (ΜΕ ΠΡΟΥΠΟΛΟΓΙΣΜΟ)

ΕΥΡΩΠΑΪΚΑ ΠΡΟΓΡΑΜΜΑΤΑ

| | | |
|---|-----------|--------|
| 1. « Building Capacity for a Centre of Excellence for EO-based monitoring of Natural Disasters - BEYOND». Χρηματοδότηση FP7-REGPOT-2012-2013, Επ. Υπεύθυνος Χ. Κοντοές (ΙΑΑΔΕΤ/ΕΑΑ) | 2013-2016 | 83.000 |
|---|-----------|--------|