

ΣΥΝΤΟΜΟ ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

Όνοματεπώνυμο:	ΕΛΕΝΑ ΦΛΟΚΑ
Έτος και τόπος γέννησης:	1966, Καλαμπάκα Τρικάλων
Οικογενειακή κατάσταση	Έγγαμη με δύο παιδιά
Ιδιότητα:	Αναπληρώτρια Καθηγήτρια Πανεπιστημίου Αθηνών
Διεύθυνση εργασίας:	Τομέας Φυσικής Περιβάλλοντος-Μετεωρολογίας, Κτίριο ΦΥΣ-5, Πανεπιστημιούπολη, 15784 Αθήνα Τηλ. 210 7276706, fax. 210 7295281 e-mail: efloca@phys.uoa.gr
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Τίτλοι Σπουδών :

- 1983** Απολυτήριο Λυκείου, 21ο Λύκειο Θεσ/νίκης
- 1987** Πτυχίο Φυσικής, Αριστοτέλειο Πανεπιστήμιο Θεσ/νίκης
- 1990** Master of Science στη Μετεωρολογία, University of Reading, UK
- 1993** Διδακτορικό δίπλωμα, Τομέας Μετεωρολογίας και Κλιματολογίας, Αριστοτέλειο Πανεπιστήμιο Θεσ/νίκης

Επαγγελματική απασχόληση:

- 1990-1993:** Συμμετοχή σε ερευνητικά προγράμματα του Τομέα Μετεωρολογίας-Κλιματολογίας του Πανεπιστημίου Θεσσαλονίκης
- 1993-1994:** Επιστημονικός συνεργάτης (μεταδιδακτορική έρευνα) του Department of Meteorology, University of Reading, UK
- 1995-2000:** Επιστημονικός συνεργάτης στο Εργαστήριο Μετεωρολογίας του Τμήματος Φυσικής του Πανεπιστημίου Αθηνών
- 1996-1999:** Επιστημονική συνεργάτης του ΥΠΕΧΩΔΕ (Διεύθυνση Περιβαλλοντικού Σχεδιασμού) σε θέματα του Ευρωπαϊκού Οργανισμού Περιβάλλοντος
- 2000-2004:** Λέκτορας του Τμήματος Φυσικής του Πανεπιστημίου Αθηνών
- 2004-2012:** Επίκουρη Καθηγήτρια του Τμήματος Φυσικής του Πανεπιστημίου Αθηνών
- 2012-:** Αναπληρώτρια Καθηγήτρια του Τμήματος Φυσικής του Πανεπιστημίου Αθηνών

Τομείς επιστημονικού και επαγγελματικού ενδιαφέροντος :

- Συνοπτική και Δυναμική Μετεωρολογία

- Εφαρμοσμένη και Δυναμική Κλιματολογία-Κλιματικές αλλαγές
- Βιομετεωρολογία
- Δομή του Ατμοσφαιρικού Οριακού Στρώματος
- Ποιότητα αέρα και μεταφορά αέριων ρύπων

Ξένες Γλώσσες : Αγγλικά, Γαλλικά, Ιταλικά

Ερευνητικά προγράμματα

- Συμμετοχή σε 57 ερευνητικά προγράμματα (14 εκ των οποίων χρηματοδοτούμενα από την Ε.Ε)
- Επιστημονική υπεύθυνη σε 4

Εκπαιδευτική εμπειρία

- Διδασκαλία του υποχρεωτικού μαθήματος *(Πιθανότητες-Σφάλματα-Στατιστική)* στους προπτυχιακούς φοιτητές του Τμήματος Φυσικής και ενός υποχρεωτικού-επιλογής (Δυναμική-Συνοπτική Μετεωρολογία) στους προπτυχιακούς φοιτητές του Τμήματος Μαθηματικών.
- Διδασκαλία του μαθήματος *Δυναμική της Ατμόσφαιρας* στο μεταπτυχιακό κύκλο σπουδών του Τμήματος Φυσικής
- Διδασκαλία του υποχρεωτικού μαθήματος «Βάσεις δεδομένων και στατιστική ανάλυση» του Διατμηματικού ΜΔΕ Ωκεανογραφίας και του μαθήματος κατεύθυνσης Β' εξαμήνου «Στατιστική Ανάλυση Γεωφυσικών Ρευστών
- Διδασκαλία του μαθήματος της Στατιστικής (στα αγγλικά) στο Διεθνές Σεμινάριο Μεταπτυχιακής Εκπαίδευσης στην «Ακτινοπροστασία και Ασφαλή Χρήση των Πηγών Ακτινοβολίας» (IAEA Post Graduate Educational Course Radiation Protection and Safe Use of Radiation Sources) που πραγματοποιήθηκε από το Ινστιτούτο ΕΚΕΦΕ Δημόκριτος

Επίβλεψη διατριβών

- Επιβλέπουσα διδακτορικών (από το 2004): 6 (3 έχουν ολοκληρωθεί)
- Μέλος τριμελούς επιτροπής (από το 2000): 12 (9 έχουν ολοκληρωθεί)
- Μέλος επταμελούς εξεταστικής επιτροπής διδακτορικών: 22
- Επίβλεψη προπτυχιακών διπλωματικών που έχουν ολοκληρωθεί (από το 2000): 105
- Επίβλεψη μεταπτυχιακών διπλωματικών (από το 2000) που έχουν ολοκληρωθεί: 42

Επίβλεψη χρηματοδοτούμενης μεταδιδακτορικής έρευνας

- Dr. M. Hatzaki, funded by the National Institution of Scholarship, in University of Athens (2010-2011)
- Dr. D. Brayshaw, funded by NERC, UK in University of Reading (2011-2012)
- Dr. G. Katavoutas funded by the National Institution of Scholarship, in University of Athens (2017)

Δημοσιευμένες Εργασίες:

Δημοσιεύσεις σε έγκυρα επιστημονικά περιοδικά	:	90
Ανακοινώσεις σε διεθνή συνέδρια	:	131
Ανακοινώσεις σε ελληνικά συνέδρια		27
Εργασίες σε βιβλία:		13
Τεχνικές εκθέσεις	:	34
Σημειώσεις	:	4
Άλλες δημοσιεύσεις	:	3

- **Αναφορές στο δημοσιευμένο έργο (εξαιρώντας αυτοαναφορές):** 2000 (source: ISI, Scopus, Google Scholar)
H-index: 22 (google scholar)
- **Ιδιαίτερη αναφορά στην εργασία** Flocas al (2003) published in J. Appl. Meteorol. in the special column "Papers of Note" of Bulletin of American Meteorological Society (Issue 85(1), 2004, pages 34-35) entitled «Chemical distributions over Athens».
- **Κριτής σε 33 διεθνή επιστημονικά περιοδικά**
- **Κριτής του IPCC special report** "Managing the risks of extreme events and disasters to advance Climate Change adaptation", 2011
- **Προσκεκλημένος ομιλητής σε 9 workshops/conferences**, σχετικά με το αντικείμενο «Κλίμα και Κλιματικές Αλλαγές» και 8 εθνικές ημερίδες
- **Guest Editor** σε 2 special issues του περιοδικού Global Nest και σε 1 του Atmospheric Research
- **Συμμετοχή στο Editorial Board** του περιοδικού International Journal of Atmospheric Sciences και του περιοδικού Global Nest
- **Συμμετοχή στη διοργάνωση** του 11th International Conference on Meteorology-Climatology-Atmospheric Physics που έγινε στην Αθήνα, Μάιος 2012

Διακρίσεις

- Υποτροφία του ΙΚΥ σε όλα τα έτη των προπτυχιακών σπουδών
- Υποτροφία του NATO (μέσω του Υπουργείου Οικονομικών) για τις μεταπτυχιακές σπουδές στο Πανεπιστήμιο του Reading, UK

- Υποτροφία του Βρετανικού Συμβουλίου για μεταδιδακτορική έρευνα στο Πανεπιστήμιο του Reading, UK
- Υποτροφία του ΙΚΥ για μεταδιδακτορική έρευνα στο Πανεπιστήμιο Αθηνών

ΔΗΜΟΣΙΕΥΣΕΙΣ ΣΕ ΔΙΕΘΝΗ ΠΕΡΙΟΔΙΚΑ

1. Karacostas T.S, O.K.Kakaliagou and **H.A.Flocas**, 1991: An objective evaluation of two instability indices associated with forecasting convective storms over North Central Greece. *Geofizika*, 8, 51-59.
2. **Flocas, H. A.**, T. S. Karacostas, B. D. Giles and A. A. Flocas, 1995: Considerations on the dynamics of a cold spell over Greece. *Meteorologische Zeitschrift*, 4, 222-228.
3. **Flocas, H. A.** and T. S. Karacostas, 1996: Cyclogenesis over the Aegean Sea: Identification and Synoptic Categories. *Meteorological Applications*, 3, 53-62.
4. Prezerakos, N.G. and **H.A. Flocas**, 1996: The formation of a dynamical unstable ridge at 500 hPa in northwest Europe as a precursor of surface cyclogenesis in central Mediterranean. *Meteorological Applications*, 3, 101-112.
5. Prezerakos, N.G., **H.A. Flocas** and S. C. Michaelides, 1997: Absolute vorticity advection and potential vorticity of the free troposphere as synthetic tool for the diagnosis and forecasting of cyclogenesis. *Atmosphere-Ocean*, 35, 65-91.
6. Sioutas M. V. and **H. A. Flocas**, 1997: Influence of the environmental winds on propagation and motion of thunderstorms in northern Greece. *Journal of Geophysical Research*, 101, D21, 26.255-26.265.
7. Thorncroft, C. D. and **H. A. Flocas**, 1997: A case study of Saharan cyclogenesis. *Monthly Weather Review*, 125, 1147-1165.
8. Kassomenos, P., **H. A. Flocas**, S. Lykoudis and M. Petrakis, 1997: A study of frost events in areas characterised by the absence of observations. *Meteorology and Atmospheric Physics*, 62, 249-256.
9. Prezerakos, N. G. and **H. A. Flocas**, 1997: The role of an upper developing diffluent trough in central Mediterranean surface cyclogenesis. *Meteorologische Zeitschrift*, 6, 108-119.
10. Kassomenos, P., **H. A. Flocas**, Skouloudis, A. N., Lykoudis, S., Asimakopoulos, V. D. and Petrakis, M., 1998a: Relationship of air quality indicators and synoptic scale circulation at 850 hPa over Athens during 1983-1995. *Environmental Technology*, 19, 13-24.
11. Kassomenos, P., **H. A. Flocas**, S. Lykoudis and M. Petrakis, 1998b: Analysis of mesoscale patterns in relation to synoptic conditions over an urban Mediterranean basin. *Theoretical and Applied Climatology*, 59, 215-229.
12. **Flocas, H.A.**, Helmis, C.G, Blikas, S.N., Asimakopoulos, D.N, Barzis, J.G., Deligiorgi, D.G., 1998: Mean characteristics of the katabatic flow of a 1024 m high knife edge mountain. *Theoretical and Applied Climatology*, 59, 237-249.

13. Kassomenos, P., **H. A. Flocas**, Lykoudis, S. , and Skouloudis, A. N., 1998c: Spatial and temporal characteristics of the relationship between air quality status and mesoscale circulation over an urban Mediterranean basin. *The Science of the Total Environment*, 217, 37-57.
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21. **Flocas, H.A**, Maheras, P., Karacostas, T.S., Patrikas, I and Anagnostopoulou, C., 2001: A 40 year climatological study of relative vorticity distribution over Mediterranean. *Int. J. Climatology*, 21, 1759-1778.
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35. Prezerakos, N.G., **Flocas, H.A.** and Brikas, D. 2006: The role of the interaction between polar and subtropical jet in a case of a depression rejuvenation over the Eastern Mediterranean. *Meteorology and Atmospheric Physics*, 92, 139-151.
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39. Anagnostopoulou, C., Tolika, K., **Flocas, HA**, Maheras, P., 2006: Cyclones in the Mediterranean region: present and future climate scenarios derived from a General Circulation model (HadAM3P). *Advances in Geosciences*, 7, 9-14.
40. **Flocas H.A.**, Assimakopoulos, V.D. and Helmis, C.G., 2006: An experimental study of aerosol distribution over a Mediterranean urban area. *Science of the Total Environment*, 367, 872-887.

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57. Hatzaki, M., **Flocas, H.A.**, Giannakopoulos, C., Maheras, P., 2009: Eastern Mediterranean Teleconnection Pattern: Impact on Eastern Mediterranean climate. *Journal of Climate*, 22, 977-992.
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- represent the relationship of large scale circulation to climate extremes over Mediterranean. *Climate Research*, 46, 197-209, doi: 10.3354/cr00984.
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