

## ΣΥΝΤΟΜΟ ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

<b>Όνοματεπώνυμο:</b>	<b>ΕΛΕΝΑ ΦΛΟΚΑ</b>
<b>Έτος και τόπος γέννησης:</b>	1966, Καλαμπάκα Τρικάλων
<b>Οικογενειακή κατάσταση</b>	Έγγαμη με δύο παιδιά
<b>Ιδιότητα:</b>	Καθηγήτρια Πανεπιστημίου Αθηνών
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### Τίτλοι Σπουδών :

- 1983** Απολυτήριο Λυκείου, 21ο Λύκειο Θεσ/νίκης
- 1987** Πτυχίο Φυσικής, Αριστοτέλειο Πανεπιστήμιο Θεσ/νίκης (βαθμός πτυχίου Αριστα 9.06)
- 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
- 2012-2018:** Αναπληρώτρια Καθηγήτρια του Τμήματος Φυσικής του Πανεπιστημίου Αθηνών
- 2018-:** 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 59 ερευνητικά προγράμματα (15 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**

- Επίβλεψα διδακτορικών (από το 2004): 7 (4 έχουν ολοκληρωθεί)
- Μέλος τριμελούς επιτροπής διδακτορικών (από το 2000): 12 (9 έχουν ολοκληρωθεί)
- Μέλος επταμελούς εξεταστικής επιτροπής διδακτορικών: 27
- Επίβλεψη προπτυχιακών διπλωματικών που έχουν ολοκληρωθεί (από το 2000): 140
- Επίβλεψη μεταπτυχιακών διπλωματικών (από το 2000) που έχουν ολοκληρωθεί: 47
- Μέλος τριμελούς επιτροπής μεταπτυχιακών διπλωματικών ΜΔΕ Φυσική Περιβάλλοντος (από το 2000) που έχουν ολοκληρωθεί: 101

- Μέλος τριμελούς επιτροπής μεταπτυχιακών διπλωματικών ΔΠΜΣ Ωκεανογραφίας (από 2015) που έχουν ολοκληρωθεί: 8

#### 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)

#### Ερευνητική εμπειρία

- Υπεύθυνη σε 4 ανταγωνιστικά ερευνητικά προγράμματα, χρηματοδοτούμενα από ευρωπαϊκά και/ή ιδιωτικά/εθνικά κονδύλια.
- Συμμετοχή σε 59 ερευνητικά προγράμματα, (εκ των οποίων 15 ευρωπαϊκά).
- Υπεύθυνη ερευνητικής ομάδας (ομάδα Μετεωρολογίας-Κλιματολογίας) που αποτελείται από 05 μεταδιδάκτορες, 3 υποψήφιους διδάκτορες and 3 μεταπτυχιακούς φοιτητές ([http://env.mg.uoa.gr/index.php?option=com\\_content&view=article&id=57&Itemid=72&lang=en](http://env.mg.uoa.gr/index.php?option=com_content&view=article&id=57&Itemid=72&lang=en))

#### Δημοσιευμένες Εργασίες:

Δημοσιεύσεις σε έγκυρα επιστημονικά περιοδικά	:	98
Ανακοινώσεις σε διεθνή συνέδρια	:	139
Ανακοινώσεις σε ελληνικά συνέδρια	:	27
Εργασίες σε εκδόσεις:	:	13
Τεχνικές εκθέσεις	:	35
Σημειώσεις	:	4
Άλλες δημοσιεύσεις	:	3

- **Αναφορές στο δημοσιευμένο έργο (εξαιρώντας αυτοαναφορές):** 2020 (source: ISI, Scopus, Google Scholar) 1500 (Scopus), 3239 (Google Scholar), 1600 (Web of Science) H-index 23 (Scopus), 29 (Google Scholar), 23 (Web of Science)
- **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 36 διεθνή επιστημονικά περιοδικά**
- **Κριτής του IPCC special report** "Managing the risks of extreme events and disasters to advance Climate Change adaptation" (2011) και του **First Mediterranean Assessment Report (MAR1) CLIMATE AND ENVIRONMENTAL CHANGES IN THE MEDITERRANEAN** (2019)

- **Προσκεκλημένος ομιλητής** σε 9 workshops/conferences και 9 εθνικές ημερίδες , κυρίως σχετικά με το αντικείμενο «Κλίμα και Κλιματικές Αλλαγές»
- **Guest Editor** σε 2 special issues του περιοδικού Global Nest και σε 1 του Atmospheric Research
- **Συμμετοχή στο Editorial Board** των περιοδικών International Journal of Atmospheric Sciences, Global Nest, Advances in Meteorology, Climate
- **Συμμετοχή στη διοργάνωση** του 11<sup>th</sup> 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

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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.
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54. Hatzaki, M., Lingis, P., **Flocas, H.A.**, Michaelides, S., Oikonomou, C., 2008: The impact of an upper troposphere teleconnection pattern on precipitation extremes over Cyprus. *Advances in Geosciences*, 16, 131-136.
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