



### Προσωπικά στοιχεία

Όνομα: Αναστασία

Επώνυμο: Κυρατζή

Ημερομηνία γεννήσεως : 25 Ιανουαρίου 1958

Παρούσα θέση: Καθηγήτρια Σεισμολογίας, Διευθύντρια Εργαστηρίου Γεωφυσικής, Τομέας Γεωφυσικής, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, 54124 ΘΕΣΣΑΛΟΝΙΚΗ

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Βασική Εκπαίδευση - Μετεκπαιδεύσεις			
1980	πτυχίο Γεωλογίας	Τμήμα Γεωλογίας, ΑΠΘ	Ελλάδα
1984	Διδακτορικό δίπλωμα ειδικευση Σεισμολογία (PhD)	Τμήμα Γεωλογίας, ΑΠΘ	Ελλάδα
1999	University of Cambridge	Επισκέπτης Ερευνητής	United Kingdom
1997	CNRS - Sophia Antipolis	Επισκέπτης Ερευνητής	France
1987	Pennstate University	Επισκέπτης Ερευνητής	USA
1985	University of Cambridge	Επισκέπτης Ερευνητής	United Kingdom

Ακαδημαϊκές Θέσεις		
ΔΙΑΡΚΕΙΑ	ΕΚΠΑΙΔΕΥΤΙΚΟ ΙΔΡΥΜΑ	ΘΕΣΗ
2001-	ΑΠΘ	Καθηγήτρια (με γνωστικό αντικείμενο «Σεισμολογία» ΦΕΚ Διορισμού 85/27-04-2001 τ. ΝΠΔΔ)
1994-2000	ΑΠΘ	Αναπληρώτρια Καθηγήτρια Σεισμολογίας
1989-1994	ΑΠΘ	Επικουρος Καθηγήτρια Σεισμολογίας
1985-1989	ΑΠΘ	Λέκτορας Σεισμολογίας
1982-1985	ΑΠΘ	Επιστημονικός Συνεργάτης

Διοικητικές Θέσεις – Διακρίσεις	
2010- σήμερα	Διευθύντρια του Εργαστηρίου Γεωφυσικής, ΑΠΘ
2011-2013 1997-1998	Διευθύντρια του Τομέα Γεωφυσικής, ΑΠΘ
9.2010-31.10.2014 2002-2005	Μέλος του Διοικητικού Συμβουλίου του Οργανισμού Αντισεισμικού Σχεδιασμού και Προστασίας (Ο.Α.Σ.Π.)
2011 -	Μέλος της Διοικούσας Επιτροπής του Ευρωπαϊκού Κέντρου Πρόληψης και Πρόγνωσης Σεισμών (ΕΚΠΠΣ) (ΥΑ Δ16γ/131/5/143/Γ 22.03.2011).
2011 - σήμερα	Αναπληρώτρια Πρόεδρος της «Μόνιμης Επιστημονικής Επιτροπής Εκτίμησης της Βραχυπρόθεσμης Εξέλιξης της Σεισμικότητας» ( ΦΕΚ 417 31.12.2010).
2014- σήμερα	Αναπληρώτρια Πρόεδρος της μόνιμης επιστημονικής επιτροπής Αντισεισμικών Κατασκευών και Τεχνικής Σεισμολογίας (ΦΕΚ 103-27.2.2014).
2014- σήμερα	Μέλος της μόνιμης επιστημονικής επιτροπής Σεισμοτεκτονικής (ΦΕΚ 103-

	27.2.2014).
2011 - 2014	Αναπληρώτρια Πρόεδρος της Μόνιμης Ειδικής Επιστημονικής Επιτροπής Εκτίμησης Σεισμικής Επικινδυνότητας και Αξιολόγησης Σεισμικού Κινδύνου του ΟΑΣΠ (ΦΕΚ 401 14.12.2010.)
2009-08/2011 2003-2006	Μέλος του Διοικητικού Συμβουλίου του Ινστιτούτου Τεχνικής Σεισμολογίας και Αντισεισμικών Κατασκευών (Ι.Τ.Σ.Α.Κ.) (2003 –2006) και από 09/2010-22.08.2011.
2012-σήμερα	Μέλος της Ειδικής Επιστημονικής Επιτροπής Παρακολούθησης Ηφαιστείου Σαντορίνης (Δ16γ/55/8/66/Γ/3-2-2012 Απόφαση του Υφυπουργού Υ.ΜΕ.ΔΙ.).
2005-2014	Μέλος της μόνιμης επιστημονικής επιτροπής Αντισεισμικών Κατασκευών και Τεχνικής Σεισμολογίας (ΟΑΣΠ).
2007-2013	Εμπειρογνώμονας στο πρόγραμμα «ΔΙΕΘΝΗΣ ΣΥΝΕΡΓΑΣΙΑ- Ειδικό Πρόγραμμα Ικανότητες» του 7 <sup>ου</sup> Προγράμματος-Πλαισίου Έρευνας, Τεχνολογικής Ανάπτυξης και Επίδειξης (2007-2013), Α.Π.15396/3.12.2010 ΥΠΔΜΘ.
2009-2010 2000-2005	Μέλος της Εθνικής Επιτροπής Εκτίμησης Σεισμικής Διακινδύνευσης στην Ελλάδα
2010-2014	Μέλος της Επιτροπής Εποπτείας των Πανεπιστημιακών Βιβλιοθηκών (ΕΕΠΒ)  υπ' αριθ. 2827/3.11.2010 απόφαση της Συγκλήτου
2006- σήμερα	Μέλος της Ελληνικής Εταιρίας Αντισεισμικής Μηχανικής (HSEE) (2006 - )
2007- σήμερα	Μέλος της Επιτροπής Αντισεισμικής Μηχανικής και Τεχνικής Σεισμολογίας του Ο.Α.Σ.Π. (2007 -)
2000-2006	Μέλος της επιτροπής διαχείρισης του Ευρωπαϊκού προγράμματος COST (Action 625: 3D monitoring of Active Tectonic Structures), (2000 – 2006).
2000-2006	Επικεφαλής της Ομάδας Εργασίας "Active Tectonics" του προγράμματος COST (2000-2006).
2003-2005	Μέλος του Editorial Board του Geophysical Journal of the Balkan Geophysical Society
2003- σήμερα	Μέλος του Editorial Board Turkish Journal of Earth Sciences
2004- σήμερα	Μέλος του Editorial Board of Journal of Seismology
2007- σήμερα	Μέλος του Editorial Board of Tectonophysics

### Κριτής σε επιστημονικά περιοδικά / Reviewer

- Acta Geodynamica
- Bulletin of the Seismological Society of America
- Bulletin of the Geological Society of Greece
- Journal of Asian Earth Sciences
- Journal of Geophysical Research
- Journal of Geophysics and Engineering (Iran)
- Journal of Seismology and Earthquake Engineering (Iran)
- Geophysical Research Letters
- Geophysical Journal International
- Natural Hazards
- Physics of the Earth and Planetary Interiors
- Tectonophysics (frequent reviewer)
- Turkish Journal of Earth Sciences

### Κριτής ευρωπαϊκών ή εθνικών ερευνητικών προτάσεων/ Peer Reviewer of European Projects or National Projects

- Εξωτερικός Αξιολογητής υποψηφίων καθηγητών στο Πανεπιστήμιο της Κοπεγχάγης, 2014
- Εξωτερικός Αξιολογητής υποψηφίου λέκτορα – επισκέπτη στο Πανεπιστήμιο της Κοπεγχάγης, 2014
- Αξιολογητής στο πλαίσιο της πράξης «Πρόγραμμα χορήγησης υποτροφιών Ι.Κ.Υ. με διαδικασία εξατομικευμένης αξιολόγησης»- Οριζόντια Πράξη, ακαδ. έτους 2012-2013
- Αξιολογητής εξ' αποστάσεως έργων προς χρηματοδότηση της ΕΕ στο πλαίσιο του προγράμματος NEST, Πρόσκληση 2005
- Αξιολογητής εξ' αποστάσεως έργων προς χρηματοδότηση της ΕΕ στο πλαίσιο του προγράμματος European Starting Grants, 1st and 2nd stage, Call 2007 (PE10)
- Αξιολογητής στο πλαίσιο της πράξης «Πρόγραμμα χορήγησης υποτροφιών Ι.Κ.Υ. με διαδικασία εξατομικευμένης αξιολόγησης»- Οριζόντια Πράξη, ακαδ. έτους 2012-2013
- Αξιολογητής έργων της πράξης «ΗΡΑΚΛΕΙΤΟΣ» το 2003
- Αξιολογητής έργων της πράξης «ΗΡΑΚΛΕΙΤΟΣ» το 2009
- Αξιολογητής έργων ΕΠΑΝ – 6ο ΚΠΣ, 2004

## Κύρια επιστημονικά πεδία

### **Μελέτη της διαδικασίας διάρρηξης των σεισμών**

- Ανάλυση και αντιστροφή σεισμολογικών δεδομένων στο πεδίο των συχνοτήτων και στο πεδίο του χρόνου για τον προσδιορισμό της γεωμετρίας και κινηματικής των ρηγμάτων.
- Αριθμητική μοντελοποίηση της σεισμικής ακτινοβολίας που παράγεται από ρήγματα στο πεδίο των υψηλών συχνοτήτων.
- Μελέτη της σεισμικής πηγής
- Μηχανική της διάρρηξης ως κομμάτι της διαδικασίας διάρρηξης του ρήγματος.

### **Διάδοση σεισμικών κυμάτων**

- Διάδοση της διάρρηξης και κατανομή της ολίσθησης ισχυρών σεισμών του Αιγαίου.
- Απόσβεση των σεισμικών κυμάτων στο χώρο του Αιγαίου και στις γειτονικές περιοχές.

### **Μελέτη της ισχυρής σεισμικής κίνησης**

- Μοντελοποίηση του φάσματος δεδομένων ισχυρής κίνησης με σκοπό την πρόβλεψη των μέγιστων τιμών της εδαφικής επιτάχυνσης μεσαίου και μεγάλου μεγέθους σεισμών.
- Προσομοίωση της ισχυρής σεισμικής κίνησης με σύγχρονες μεθόδους.
- Μελέτη των τοπικών εδαφικών συνθηκών και της απόσβεσης με χρήση δεδομένων ισχυρής σεισμικής κίνησης.

### **Σεισμοτεκτονικές μελέτες**

- Μελέτη της τεκτονικής του Αιγαίου και των γειτονικών περιοχών - Παραμόρφωση του φλοιού.
- Ποσοτικοποίηση των σεισμών.
- Μοντελοποίηση της καταδύμενης λιθόσφαιρας με τη μέθοδο των πεπερασμένων στοιχείων.

## Εμπειρία πεδίου – Εξειδικευμένη γνώση

**1981 – σήμερα:** Συμμετοχή στο πρόγραμμα αναλύσεων της ημερήσιας σεισμικότητας του Σεισμολογικού Σταθμού του Αριστοτελείου Πανεπιστημίου Θεσσαλονίκης (ανάλυση σεισμικών καταγραφών, υπολογισμός σεισμικών επικέντρων και μεγεθών των σεισμών, σύνταξη μηνιαίων δελτίων σεισμικότητας, έκδοση ανακοινωθέντος σε περίπτωση ισχυρού σεισμού).

**1980 – σήμερα:** Συμμετοχή σε πολλά πειράματα υπαίθρου σεισμολογικού και γεωφυσικού ενδιαφέροντος, που πραγματοποιήθηκαν με συνεργασία με άλλα Ευρωπαϊκά Πανεπιστήμια.

## Γλώσσες

Ελληνικά

Μητρική γλώσσα

Αγγλικά

Proficiency

University of Cambridge

## Διδασκαλία μαθημάτων

Από το 1985 συνεχής ανάθεση διδασκαλίας μαθημάτων στους προπτυχιακούς φοιτητές των Τμημάτων Γεωλογίας, Μαθηματικών και Φυσικού: «Εισαγωγή στη Σεισμολογία», «Μηχανικές Ταλαντώσεις», «Φυσική του εσωτερικού της Γης», «Γεωφυσικά θέματα», Εργαστηριακές Ασκήσεις.

### Παρούσα διδασκαλία στο προπτυχιακό πρόγραμμα:

- Εισαγωγή στη Σεισμολογίας (GGP 211Y)
- Φυσική του Εσωτερικού της Γης (GGP 536Y)

Από το 1995 συνεχής ανάθεση διδασκαλίας μαθημάτων στους μεταπτυχιακούς φοιτητές του ΠΜΣ Γεωλογίας.

### Παρούσα διδασκαλία στο προπτυχιακό πρόγραμμα:

- Γένεση, διάδοση και αναγραφή σεισμικών κυμάτων (GGPM 104E)
- Εφαρμοσμένη Σεισμολογία (GGPM 213E)

## Σεμινάρια-Συνέδρια

Συμμετοχή και παρουσίαση εργασιών σε περισσότερα από 50 συνέδρια τα οποία πραγματοποιήθηκαν στην Ελλάδα και στο εξωτερικό (σε πολλά ως προσκεκλημένη ομιλήτρια και ως μέλος της οργανωτικής επιτροπής)

## Συμμετοχή σε ερευνητικά προγράμματα

### Project Leader

1. SITE-CLASSIFICATION - Characterization of site conditions in Greece for realistic seismic ground motion simulations: pilot application in urban areas; GSRT (THALES) 2012-2015.
2. Turkey-Greece cross border seismicity: velocity models, moment tensors, slip models, shakeMaps based on knowledge transfer and a joint database repository; GSRT 2010-2013.
3. Cross border cooperation between universities and educational institutes in the field of natural disasters and environmental education], INTERREG IIIA, GREECE – FYROM, 2006 – 30.6.2008.
4. Contribution of advanced methods of Geosciences in seismic risk management with emphasis to the built environment of the North Aegean Sea Islands); (General Secretariat of Research and Technology, GSRT, [PEP –NAEGEAN], 2006 – 31.05.2008.
5. Shake Maps for Strong Earthquakes in Greece, Bilateral Cooperation Greece – USA, 2005 – 2007; GSRT, 2006 – 30.03.2008.
6. Thematic Network “Management of natural risks using space technologies and GIS systems” GEOIMPACT, Funded by Research Committee, Aristotle University of Thessaloniki, 2005 – 2007.
7. Development of an Information System for Natural Risk Management in the Mediterranean (SyNaRMa), INTERREG III, STRAND B– ARCHIMED /INTEGRATED AND SUSTAINABLE MANAGEMENT OF CULTURAL AND NATURAL RESOURCES AND OF LANDSCAPES AND RISK MANAGEMENT/ 3.3 Management, prevention and reduction of natural risks: drought, desertification, fires, earthquakes etc./ 353. Protection, improvement and regeneration of the

natural environment, *Project Leader from the Dept of Geophysics partnership*, 2006 – 31.12.2007.

8. Contribution of Seismology, Geology and Geophysics in the identification of active tectonic structures and to the simulation of expected ground motions in selected sites: emphasis in the area of Macedonia and Thrace, EPEAEK: Pythagoras II Ministry of Education and Religious Affairs, (2005 – 31.12.2007).
9. Estimation de l'aléa sismique en Grèce occidentale en utilisant des données sismologiques et géophysiques, GSRT, Bilateral Cooperation, France – Greece, 2005- 2007.
10. Development of common methods to study source parameters for earthquakes in Greece and Slovenia and strong ground motion simulation in selected sites, GSRT, Bilateral Cooperation, Slovenia – Greece, 2005 - 2007.
11. Development of procedures for the rapid estimation of ground shaking from earthquakes in Greece for emergency response, GSRT, Bilateral Cooperation Greece – USA, 2003 - 2005.
12. *SEIS-IMPACT*: A system to evaluate the seismic impact to the build environment of the Prefecture of Thessaloniki, GSRT - EPAN 2003 – 2005.
13. An integrated study of cross- boundary seismicity between Turkey and Greece, GSRT, Bilateral Cooperation Turkey – Greece, 2003 – 2005.
14. Seismic Source studies in Greece with emphasis on the detailed study of the intermediate – depth earthquakes in the southern Aegean area, EPPO (OASP), 2000 – 2003.
15. Quantification of present day tectonics in Albania, GSRT- 2002.
16. Seismotectonics and Seismic Hazard Assessment in Albania, GSRT, 1998 – 2002.
17. Engineering Seismology, GSRT, 1998.
18. Detailed seismotectonic structure in the Aegean Sea and the surrounding lands based on the focal mechanisms of moderate size earthquakes, EPPO (OASP), 1997.
19. Seismological research in the Aegean area with emphasis on seismic-source and propagation properties to define the seismic hazard in Greece, EPPO (OASP), 1993.
20. Study of the isoseismals of Kalamata earthquakes, EPPO (OASP), 1986.

### **Κύριος Ερευνητής - Participation in research projects as key scientist**

21. Common strategies in earthquake hazard assessment and seismological data exchange between Turkey and Greece, Bilateral Cooperation between Greece – Turkey; GSRT 2006 – 2008 (Project Leader: P.M. Hatzidimitriou).
22. Long-term earthquake prediction by seismicity methods, 1985.
23. Compilation of the seismic hazard map of Greece, 1987.
24. Development of seismological networks - Interpretation of seismological data and seismicity and seismic hazard study in Kalamata (Peloponnese) area, 1987.
25. Dependence of the strong ground motion by seismic source properties and propagation of seismic waves in the area of Greece, 1988.
26. Seismic hazard study in the area of Hydroelectrical Station in Nestos (N. Greece), 1989.
27. Study of the seismicity and continuous reporting to the Ministry of Public Works on seismicity and seismic hazard subjects for the area of Greece, 1990.
28. Earthquake prediction studies in Greece and Italy (EPOC-CT91-0043), 1991.
29. Santorini Volcano Laboratory (EVSU-CT 93-028), EU, 1993.
30. A multidisciplinary study of precursory phenomena in the eastern part of central Greece (Thessalia), 1993.
31. Geophysical prospecting along the construction of the New National Road near Katerini area (N. Greece), 1993.
32. Observation and modelling of heterogeneities in seismic sources and crustal structure for seismic hazard assessment around active faults in the Mediterranean region (EV5V-CT94-0513), EU, 1994.



33. Theoretical research in earthquake prediction and identification of zones of high seismic potential (EV5V-CT94-0443), 1995.
34. AUTO - SEISMO - GEOTECH: An automated geotechnic project for the prevention - mitigation of seismic risk in the cities of high seismic activity in the framework of detailed microzonation studies, EPET II - Ministry of Development, 1995.
35. Development of the National Seismological Network, 1995.
36. Theoretical research in earthquake prediction and identification of zones of high seismic potential (EV5V-CT94-0443), 1995.
37. Seismological studies related to the seismicity of the Kozani - Grevena area, 1995.
38. Seismicity study and seismic hazard assessment of the broader area of artificial lake Polifitou and the Ilarionas Dam, 1996.
39. EURO-SEISMOD: Development and experimental validation of advanced simulation technologies in Earthquake Engineering and Engineering Seismology, (ENV4- CT96-0255), 1996.
40. Active faulting and seismic hazard in Attiki (Greece),(ENV4-CT96-0277), 1996
41. Seismicity and seismic hazard in the site of Hospital construction near the city of Serres, 1997.
42. Study of the seismicity of the broader area of Florina (N. Greece) and seismic hazard assessment at the site of construction of the New Thermoelectric Station (Public Power Corporation), 1997.
43. Seismicity and seismic hazard study in the area of Keramidi (Pieria - N. Greece), 1997.
44. Test and recording of a full automated optical microseismic network of sensors in a seismically active area, EU, 1997.

## ΔΗΜΟΣΙΕΥΣΕΙΣ

### *Ph. D., Thesis:*

Kiratzi, A. (1984). Magnitude scales for earthquakes in Greece, *PhD thesis, Aristotle University of Thessaloniki*, pp 350.

### Εργασίες σε διεθνή περιοδικά με κριτές - Papers published in international peer-reviewed journals

1. Kiratzi, A. and B. Papazachos (1984). Magnitude scales for earthquakes in Greece, *Bulletin of the Seismological Society of America*, 74, 969- 985.
2. Papazachos, B., Kiratzi, A. Hatzidimitriou, P. and A. Rocca (1984). Seismic faults in the Aegean area, *Tectonophysics*, 106, 71- 85.
3. Papazachos, B., Kiratzi, A., Voidomatis, P. and C. Papaioannou (1984). A study of the December 1981- January 1982 seismic activity in northern Aegean area, *Bolletino di Geofisica Teorica ed Applicata*, 101-102, 101-113.
4. Kiratzi, A. and B. Papazachos (1985). Local Richter magnitude and total signal duration in Greece, *Annales Geophysicae*, 3, 531- 538.
5. Kiratzi, A., Karakaisis, G., Papadimitriou, E. and B. Papazachos (1985). Seismic source parameter relations for earthquakes in Greece, *Pure and Applied Geophysics*, 123, 27- 41.
6. Rocca, A., Karakaisis, G., Karacostas, B., Kiratzi, A., Scordilis, E. and B. Papazachos (1985). Further evidence on the strike slip faulting of the Northern Aegean trough based on properties of the August-November 1983 sequence, *Bolletino di Geofisica Teorica ed Applicata*, 27(106), 101-109.
7. Kiratzi, A. and B. Papazachos (1986). Magnitude determination from ground amplitudes recorded by short-period seismographs in Greece, *Annales Geophysicae*, 4, 71- 78.
8. Papadimitriou, E. and A. Kiratzi (1986). Interrelation of seismicity between Crete and Ionian islands (Greece), *Bulgarian Geophysical Journal*, vol. XII, No 4, 62- 66.
9. Kiratzi, A., Papadimitriou, E. and B. Papazachos (1987). A microearthquake survey in the Steno dam site in northwestern Greece, *Annales Geophysicae*, 5, 161- 166.

10. Papazachos, B., Papadimitriou, E., Kiratzi, A., Papaioannou, C. and G. Karakaisis (1987). Probabilities of occurrence of large earthquakes in the Aegean and surrounding area during the period 1986-2006, *Pure and Applied Geophysics*, 125(4), 597- 612.
11. Papazachos, B., Kiratzi, A., Karacostas, B., Panagiotopoulos, D., Scordilis, E. and D. Mountrakis (1988). Surface fault traces, fault plane solution and spatial distribution of the aftershocks of the September 13, 1986 earthquake of Kalamata: (southern Greece), *Pure and Applied Geophysics*, 126(1), 55-68.
12. Kiratzi, A. and C. Langston (1989). Estimation of earthquake source parameters of the May 4, 1972 event of the Hellenic arc by the inversion of waveform data, *Physics of the Earth and Planetary Interior*, 57, 225-232.
13. Kiratzi, A. (1991). Rates of crustal deformation in the North Aegean trough- North Anatolian fault deduced from seismicity, *Pure and Applied Geophysics*, 136, 421-432.
14. Kiratzi, A., Wagner, G. and C. Langston (1991). Source parameters of some large earthquakes in Northern Aegean determined by body waveform inversion, *Pure and Applied Geophysics*, 135, 515- 527.
15. Kiratzi, A. and C. Langston (1991). Moment tensor inversion of the January 17, 1983 Kefallinia event of Ionian Islands (Greece), *Geophysical Journal International*, 105, 529-535.
16. Papazachos, B., Kiratzi, A. and E. Papadimitriou (1991). Regional focal mechanisms for earthquakes in the Aegean area, *Pure and Applied Geophysics*, 136, 405-420.
17. Papazachos, C. and A. Kiratzi (1992). A formulation for reliable estimation of active crustal deformation and its application to central Greece, *Geophysical Journal International*, 111, 424-432.
18. Papazachos, C., Kiratzi, A. and B. Papazachos (1992). Rates of active crustal deformation in the Aegean and the surrounding area, *Journal of Geodynamics*, 16, 147-179.
19. Hatzidimitriou, P., Papazachos, C., Kiratzi, A. and N. Theodulidis (1993). Estimation of attenuation structure and local magnitude based on acceleration records in Greece, *Tectonophysics*, 217, 243-253.
20. Kiratzi, A. (1993). A study on the active crustal deformation on the North and East Anatolian Fault Zones, *Tectonophysics*, 225, 191- 203.
21. Kiratzi, A. (1993). Active deformation in the Vrancea region, Rumania, *Pure and Applied Geophysics*, 140, 391-402.
22. Kiratzi, A. (1994). Active deformation of the Italian peninsula and Sicily, *Annali di Geofisica*, XXXVII, 1, 27-45.
23. Kiratzi, A. and C. Papazachos (1995). Active deformation of the shallow part of the subducting lithospheric slab in the southern Aegean, *Journal of Geodynamics*, 19, 65-78.
24. Kiratzi, A. and C. Papazachos (1995). Active crustal deformation from the Azores triple junction to Middle East, *Tectonophysics*, 243, 1-24.
25. Giunchi, C., Kiratzi, A., Sabadini, R. and H. Louvari (1996). A numerical model of the Hellenic subduction zone: active stress field and sea-level changes, *Geophysical Research Letters*, 23 (18), 2485-2489.
26. Hatzfeld, D., Kementzetzidou, V., Karakostas, V., Ziazia, M., Nothard, S., Diagourtas, D., Deschamps, A., Karakaisis, G., Papadimitriou, P., Scordilis, M., Smith, R., Voulgaris, N., Kiratzi, A., Makropoulos, K., Bouin, M. and P. Bernard (1996). The Galaxidi earthquake of 18 November 1992: A possible asperity within the normal fault system of the Gulf of Corinth (Greece), *Bulletin of the Seismological Society of America*, 86, 1987-1991.
27. Kiratzi, A. and C. Papazachos (1996). Moment tensor inversion to derive the active crustal deformation in Japan, *Bulletin of the Seismological Society of America*, 86, 821-831.
28. Papazachos, C. and A. Kiratzi (1996). A detailed study of the active crustal deformation in the Aegean and surrounding area, *Tectonophysics*, 253, 129-154.
29. Louvari, E. and A. Kiratzi (1997). Rake: A window's program to plot earthquake focal mechanisms and stress orientation, *Computers and Geosciences*, 23, 851-857., DOI: 10.1016/S0098-3004(97)00070-8 <ftp://geophysics.geo.auth.gr/pub/users/sissy/RAKE>

30. Papazachos, B. C., Kiratzi, A. A. and B. G. Karacostas (1997). Toward a homogeneous moment-magnitude determination for earthquakes in Greece and the surrounding area, *Bulletin of the Seismological Society of America*, 87, 474-483.
31. Papazachos, B., Karakostas, B., Kiratzi, A., Papadimitriou, E. and C. B. Papazachos (1998). A model for the 1995 Kozani-Grevena seismic sequence, *Journal of Geodynamics*, 26(2-4), 217-231.
32. Papazachos, B. C., Papadimitriou, E. E., Kiratzi, A. A., Papazachos, C. B. and E. K. Louvari (1998). Fault plane solutions in the Aegean Sea and the surrounding area and their tectonic implication, *Bolletino di Geofisica Teorica ed Applicata*, 39, 199-218.
33. Kiratzi, A. (1999). Stress tensor inversion in western Greece using earthquake data from the Kozani-Grevena 1995 seismic sequence, *Annali di Geofisica*, 42(4), 725-734.
34. Louvari, E., Kiratzi, A. and B. C. Papazachos (1999). The Cephalonia Transform Fault and its continuation to western Lefkada Island, *Tectonophysics*, 308, 223-236.
35. Roumelioti, Z., Kiratzi, A., Theodulidis, N. and C. Papaioannou (2000). A comparative study of a stochastic and a deterministic simulation of strong ground motion applied to the Kozani – Grevena (NW Greece) 1995 sequence, *Annali di Geofisica*, 43 (5), 951-966.
36. Tiberi, C., Lyon-Caen, H., Hatzfeld, D., Achauer, U., Karagianni, E., Kiratzi, A., Louvari, E., Panagiotopoulos, D., Kassaras, I., Kaviris, G., Makropoulos, K. and P. Papadimitriou (2000). Crustal and upper mantle structure beneath the Corinth rift (Greece) from a teleseismic tomography study, *Journal of Geophysical Research*, 105(B12), 28159-28171.
37. Drakos, A., Stiros, S. and A. Kiratzi (2001). Fault parameters of the 1980 Volos (central Greece) earthquake (Mw=6.5) from inversion of repeated leveling data, *Bulletin of the Seismological Society of America*, 91, 1673-1684.
38. Hatzfeld, D., Karagianni, E., Kassaras, I., Kiratzi, A., Louvari, E., Lyon-Caen, H., Makropoulos, K., Papadimitriou, P., Bock, G., Priestley, K. (2001). Shear wave anisotropy in the upper mantle beneath the Aegean related to internal deformation, *Journal of Geophysical Research*, 106 (B12), 30737-30754.
39. Kiratzi, A. and E. Louvari (2001). Source parameters of the Izmit-Bolu 1999 (Turkey) earthquake sequences from teleseismic data, *Annali di Geofisica*, 44, 33-47.
40. Louvari, E. and A. Kiratzi (2001). Source parameters of the September 7, 1999 Athens (Greece) earthquake from teleseismic data, *J. Balkan Geophys. Soc.*, 43(3), 51-60. (<http://www.balkangeophysoc.org>).
41. Louvari, E., Kiratzi, A., Papazachos, B. and P. Hatzidimitriou (2001). Fault plane solutions determined by waveform modeling confirm tectonic collision in eastern Adriatic, *Pure and Applied Geophysics*, 158(9-10), 1613-1638.
42. Benetatos, C., Roumelioti, Z., Kiratzi, A. and Melis, N. (2002). Source Parameters of the M 6.5 Skyros island (North Aegean Sea) Earthquake of July 26, 2001, *Annals of Geophysics (former Annali di Geofisica)*, 45(3), 513 – 526.
43. Galanis, O., Tsapanos, Th., Papadopoulos, G. and A. Kiratzi (2002). Bayesian extreme values distribution for seismicity parameters assessment in South America, *Journal of the Balkan Geophysical Society*, 5(3), 77-86.
44. Karagianni, E., Panagiotopoulos, D., Panza, G., Suhadolc, P., Papazachos, C., Kiratzi, A., Hatzfeld, D., Makropoulos, K., Priestley, K. and A. Vuan (2002). Rayleigh wave group velocity tomography in the Aegean area, *Tectonophysics*, 358, 187 - 209.
45. Kiratzi, A. (2002). Stress tensor inversions along the westernmost North Anatolian Fault Zone and its continuation into the North Aegean Sea, *Geophysical Journal International*, 151, 360-376.
46. Papazachos, B., Karakostas, V., Kiratzi, A., Margaritis, V., Papazachos, C. and E. Scordilis (2002). Uncertainties in the estimation of earthquake magnitudes in Greece, *Journal of Seismology*, 6, 557 – 570.



47. Papazachos, B., Karakostas, V., Kiratzi, A., Margaris, V., Papazachos, C. and E. Scordilis (2002). The advantage of determination of earthquake magnitudes in Greece in the local scale, Reply to the comment of N. Ambraseys, *Journal of Seismology*, 6, 589-591.
48. Roumelioti, Z. and A. Kiratzi (2002). Stochastic Simulation of Strong-Motion Records from the 15 April 1979 (M 7.1) Montenegro (Yugoslavia) Earthquake, *Bulletin of the Seismological Society of America*, 92, 1095-1101.
49. Roumelioti, Z., Kiratzi, A., Theodoulidis, N. and C. Papaioannou (2002). S-wave spectral analysis to retrieve the source parameters of the 1995 Kozani-Grevena (NW Greece) aftershock sequence, *Journal of Seismology*, 6, 219-236.
50. Kiratzi, A. and E. Louvari (2003). Focal mechanisms of shallow earthquakes in the Aegean Sea and the surrounding lands determined by waveform modeling: a new database, *Journal of Geodynamics*, 36, 251 - 274.
51. Polatidis, A., Kiratzi, A., Hatzidimitriou, P. and B. Margaris (2003). Attenuation of shear-waves in the back-arc region of the Hellenic arc for frequencies from 0.6 to 16 Hz, *Tectonophysics*, 367, 29-40.
52. Roumelioti, Z., Dreger, D., Kiratzi, A., and Theodoulidis, N. (2003). Slip distribution of the September 7, 1999 Athens earthquake inferred from an empirical Green's function study, *Bulletin of the Seismological Society of America*, Vol. 93(2), 775 - 782.
53. Roumelioti, Z., Kiratzi, A., Theodoulidis, N., Kalogeras, I. and G. Stavrakakis (2003). Source directivity during the September 7, 1999 (Mw 5.9) Athens (Greece) earthquake obtained from strong-motion records, *Pure and Applied Geophysics*, 160 (12), 2301 - 2318.
54. Roumelioti, Z., Kiratzi, A. and N. Melis (2003). Relocation of the July 26, 2001 Skyros Island (Greece) Earthquake Sequence Using the Double-Difference Technique, *Physics of the Earth and Planetary Interior*, 138, 231-239.
55. Benetatos, Ch. and A. Kiratzi (2004). Stochastic strong ground motion simulation of intermediate depth earthquakes: The cases of the 30 May 1990 Vrancea (Romania) and of the 22 January 2002 Karpathos island (Greece) events, *Soil Dynamics and Earthquake Engineering*, 24, 1-9.
56. Benetatos, C., Kiratzi, A., Papazachos, C. and G. Karakaisis (2004). Focal mechanisms of shallow and intermediate depth earthquakes along the Hellenic Trench, *Journal of Geodynamics*, 37, 253-296.
57. Roumelioti, Z., Kiratzi, A. and D. Dreger (2004). The source process of the July 26, 2001 Skyros Island (Greece) earthquake, *Geophysical Journal International*, 156 (3), 541-548.
58. Roumelioti, Z., Kiratzi, A. and N. Theodoulidis (2004). Stochastic Strong Ground Motion Simulation of the 7 September 1999 Athens (Greece) Earthquake, *Bulletin of the Seismological Society of America*, 94(3), 1036 – 1052.
59. Roumelioti, Z., Ch. Benetatos, A. Kiratzi, G. Stavrakakis and N. Melis (2004). A study of the 2 December 2002 (M5.5) Vartholomio earthquake sequence in western Peloponnese (Greece), *Tectonophysics*, 387, 65 - 79.
60. Bourova, E., Kassaras, I., Pedersen, H., Yanovskaya, T., Hatzfeld, D. and A. Kiratzi (2005). Constraints on absolute S velocities beneath the Aegean Sea from surface wave analysis, *Geophysical Journal International*, 160, 1006 – 1019.
61. Benetatos, Ch., Kiratzi, A., Roumelioti, Z., Stavrakakis, G., Drakatos, G. and I. Latoussakis (2005). The 14 August 2003 Lefkada Island (Greece) earthquake: focal mechanisms of the mainshock and of the aftershock sequence, *Journal of Seismology*, 9, 171 - 190.
62. Arrigo, G., Roumelioti, Z., Benetatos, Ch., Kiratzi, A., Bottari, A., Neri, G., Termini, D., Gorini, A. and S. Marcucci (2006). Source modeling of the 1998 Lauria earthquake (Mw 5.6) in southern Italy by simulation of the ground acceleration time history, *Natural Hazards*, 37, 245 – 262.
63. Benetatos, Ch. and A. Kiratzi (2006). Finite – fault slip models for the 15 April 1979 (Mw 7.1) Montenegro earthquake and its strongest aftershock of 24 May 1979 (Mw 6.2), *Tectonophysics*, 421, 129 - 143.

64. Benetatos, C., Kiratzi, A., Ganas, A., Ziazia, M., Plessa, A. and G. Drakatos (2006). Strike –slip motions in the Gulf of Siğacik (western Anatolia): properties of the 17 October 2005 earthquake seismic sequence, *Tectonophysics*, 426, 263-279.
65. Karabulut, H., Roumelioti, Z., Benetatos, C., Kömec Mutlu, A., Özalaybey, S., Aktar, M. and A. Kiratzi (2006). A source study of the 6 July 2003 (Mw 5.7) earthquake sequence in the Gulf of Saros (Northern Aegean Sea): Seismological evidence for the western continuation of the Ganos fault, *Tectonophysics*, 412, 195 – 216.
66. Theodulidis, N., Roumelioti, Z., Panou, A., Savvaidis, A., Kiratzi, A., Grigoriadis, V., Dimitriou, P. and T. Chatzigogos (2006). Retrospective Prediction of Macroseismic Intensities Using Strong Ground Motion Simulation: The Case of the 1978 Thessaloniki (Greece) Earthquake (M6.5), *Bulletin of Earthquake Engineering*, 4 (2), 101-130.
67. Benetatos, C., Dreger, D. and A. Kiratzi (2007). Complex and segmented rupture associated with the 14 August 2003 (Mw 6.2) Lefkada (Ionian Islands) earthquake, *Bulletin of the Seismological Society of America*, Vol. 97, No. 1B, 35–51, doi: 10.1785/ 0120060123.
68. Ganas, A., Bosy, J., Petro, L., Drakatos, G., Kontny, B., Melis, N. and A. Kiratzi (2007). Monitoring active structures in Eastern Corinth Gulf (Greece): the Kaparelli fault, *Acta Geodynamica et Geomaterialia*, Vol. 4, No 1(145), 67-75.
69. Kiratzi, A., Sokos, E., Ganas, A., Tselentis, A., Benetatos, C., Roumelioti, Z., Serpetsidaki, A., Andriopoulos, G., Galanis, O., and Petrou, P. (2008). The April 2007 earthquake swarm near Lake Trichonis and implications for active tectonics in western Greece, *Tectonophysics*, 452, 51-65.
70. Roumelioti, Z., Benetatos, C. and A. Kiratzi (2009). The 14 February 2008 earthquake (M6.7) sequence offshore south Peloponnese (Greece): source models of the three strongest events, *Tectonophysics*, 471(3-4), 272-284.
71. Roumelioti, Z., Kiratzi, A. and C. Benetatos (2010). The instability of the Mw and ML Comparison for Earthquakes in Greece for the Period 1969 to 2007, *Journal of Seismology*, 14 (2) 309-337, doi: 10.1007/s10950-009-9167-x.
72. Kiratzi, A. (2010). The 24 May 2009 Mw5.2 earthquake sequence near Lake Doirani (FYROM - Greek borders): focal mechanisms and slip model using empirical Source Time Function's inversion, *Tectonophysics*, 490, 115-122.
73. Kiratzi, A. (2011). The 6 September 2009 Mw5.4 earthquake sequence in eastern Albania – FYROM borders: focal mechanisms slip model, *Turkish Journal of Earth Sciences*, 20 (4), 475-488, DOI: 10.3906/yer-1001-7.
74. Roumelioti, Z., Kiratzi, A. and C. Benetatos (2011). Time Domain Moment Tensors of Earthquakes in the broader Aegean Sea for the years 2006-2007: the database of the Aristotle University of Thessaloniki, *Journal of Geodynamics*, 51 (2-3), 179-189.
75. Sokos, E., Zahradnik, J., Kiratzi, A., Jansky, J., Gallovic, F., O. Novotny, J. Kostelecky, A. Serpetsidaki and G-A. Tselentis (2012). The January 2010 Efpalio earthquake sequence in the western Corinth Gulf (Greece), *Tectonophysics*, 530-531, 299–309.
76. Chatzipetros, A., Kiratzi, A., Sboras, S. and S. Pavlides (2013). Active faulting in the north-eastern Aegean Sea Islands, *Tectonophysics*, 597 (SI), 106-122., DOI: 10.1016/j.tecto.2012.11.026 <http://dx.doi.org/10.1016/j.tecto.2012.11.026>
77. Kiratzi, A. and E. Dimakis (2013). Focal mechanisms and slip models of moderate size earthquakes in Albania and adjacent countries, *Italian Journal of Geosciences*, 132 (2), doi: 10.3301/IJG.2011.33), 186-193.
78. Kiratzi, A. A., (2013). The January 2012 earthquake sequence in the Cretan Basin, south of the Hellenic Volcanic Arc: focal mechanisms, rupture directivity and slip models, *Tectonophysics*, 586, 160-172.
79. Křížová, D., Zahradník, J. and A. Kiratzi (2013). Resolvability of isotropic component in regional seismic moment tensor inversion, *Bulletin of the Seismological Society of America*, August 2013, v. 103, Issue 4, p. 2460-2473, doi:10.1785/0120120097.

80. Kiratzi, A., and N. Svigkas (2013). A study of the 8 January 2013 Mw5.8 earthquake sequence (Lemnos Island, East Aegean Sea), *Tectonophysics*, 608, 452-460, DOI: 10.1016/j.tecto.2013.09.002; <http://authors.elsevier.com/sd/article/S0040195113005453>
81. Kiratzi A., Roumelioti, Z., Chatzipetros A., and G. Papathanassiou (2014). Simulation of off-fault surface effects from historical earthquakes: the case of the city of Thessaloniki (Northern Greece): In the book "Engineering Geology for Society and Territory", Vol. 5, 957-963, "Urban Geology, Sustainable Planning and Landscape Exploitation", Giorgio Lollino (Ed.), 8643pp/ 8 volume-set ISBN 978-3-319-10303-7.
82. Kiratzi, A. (2014). Mechanisms of Earthquakes in Aegean, *Encyclopedia of Earthquake Engineering* · Article ID: 382074 · Chapter ID: 29.9

### Εργασίες σε ελληνικά περιοδικά με κριτές - Papers published in Greek peer-reviewed journals

83. Papazachos, B., Kiratzi, A., Papaioannou, Ch. and N. Theodulidis (1987). A new approach towards earthquake seismic hazard assessment using seismotectonic information and its application in Greece. "Bulletin of the Geological Society of Greece", Vol. XIX, 347-363.
84. Papazachos, B., Kiratzi, A., Papaioannou, Ch. and D. Panagiotopoulos (1991). Average regional seismic strain release rates in the Patrahikos - Saronikos Gulfs (Central Greece) based on historical instrumental data. "Bulletin of the Geological Society of Greece", Vol. XXV/3, 225-238.
85. Papazachos, C., Kiratzi, A. and B. Papazachos (1993). Rates of active crustal deformation in the Aegean and the surrounding area. "Bulletin of the Geological Society of Greece", Vol. XXVIII/1, 21-32.
86. Papazachos, B., Kiratzi, A. and E. Papadimitriou (1993). Orientation and type of active faulting in the Aegean and the surrounding area. "Bulletin of the Geological Society of Greece", Vol. XXVIII/3, 233-241.
87. Papaioannou, C., Kiratzi, A., Papazachos, B. and N. Theodulidis (1994). Scaling of normal faulting earthquake response spectra in Greece. "Bulletin of the Geological Society of Greece", Vol. XXX/5, 197-204.
88. Scordilis, E., Kiratzi, A. and D. Panagiotopoulos (1994). A study of the earthquake of November 6, 1992 in Izmir (Turkey). "Bulletin of the Geological Society of Greece", Vol. XXX/5, 243-249.
89. Papazachos, B., Karakaisis, G., Hatzidimitriou, P., Karakostas, B., Kiratzi, A., Leventakis, G., Margaritis, B., Panagiotopoulos, D., Papadimitriou, E., Papaioannou, Ch., Papazachos, C., Savvaidis, A., Theodulidis, N., Tsanos, T. and P. Dimitriou (2000). A procedure to assess the evolution of a seismic sequence. "Annales Geol. des Pays Hell.," XXXVIII, 103-112.
90. Galanis, O., Tsapanos, Th., Papadopoulos, G. and A. Kiratzi (2001). An alternative Bayesian statistics for probabilistic earthquake prediction in Mexico, central and South America. "Bulletin of the Geological Society of Greece", Vol. XXXIV/4, 1485-1491.
91. Benetatos C., Kiratzi A., Kementzetzidou K., Roumelioti Z., Karakaisis G., Scordilis E., Latoussakis I. and G. Drakatos (2004). The Psachna (Evia Island) earthquake swarm of June 2003. "Bulletin of the Geological Society of Greece", Vol. XXXVI (3), 1379 - 1388.
92. Koutoupes, S., Karantonis, G., Sotiriadis, A., Kiratzi, A., Valadaki, A., Savvaidis, A., Theodulidis, N., Tziavos, I., Savvaidis, P. & I. Doukas (2004). SEISIMPACT-THES: Design, development and application of an information system for the evaluation of seismic risk in the built environment of the prefecture of Thessaloniki. "Bulletin of the Geological Society of Greece", Vol. XXXVI (3), 1328 – 1336.
93. Savvaidis P., Doukas I., Hatzigogos Th., Tziavos I.N., Kiratzi A., Roumelioti Z., Savvaidis A., Theodulidis N., Drakatos G., Koutoupes S., Karantonis G., & A. Sotiriadis (2004). Data base development and evaluation of earthquake damage reports under the SEISIMPACT-THES system "Bulletin of the Geological Society of Greece", Vol. XXXVI (3), 1509 - 1518.
94. Kiratzi A., Roumelioti Z., Benetatos Ch., Theodulidis N., Savvaidis A., Panou A., Tziavos I., Savvaidis P., Hatzigogos Th., Koutoupes S. and G. Karantonis (2004). SEISIMPACT-THES:

- scenario earthquake affecting the built environment of the prefecture of Thessaloniki. "Bulletin of the Geological Society of Greece", Vol. XXXVI (3), 1412 – 1421.
95. Kiratzi, A., Benetatos, Ch. and Z. Roumelioti (2005). Special features of the seismotectonics of NE Aegean Sea and the surrounding lands (In Greek). (Greek title: Σεισμικότητα και τεκτονικά χαρακτηριστικά του ΒΑ Αιγαίου Πελάγους και των γειτονικών περιοχών), "Bulletin of the Geological Society of Greece", Vol. XXXVII, 9-18.
  96. Ganas, A., Drakatos, G., Bosy, J., Petro, L., Kontny, B., Stercz, M., Melis, N., Cacon, S., Papanikolaou, M., Pirentis, A., and A. Kiratzi (2007). COST Action 625 results: monitoring of the Kaparelli fault, 2003-2006. "Bulletin of the Geological Society of Greece", vol. XXXX, 287-296.
  97. Kiratzi, A., Benetatos, C. and Z. Roumelioti (2007). Distributed earthquake focal mechanisms in the Aegean Sea, "Bulletin of the Geological Society of Greece", Vol. XXXX, 1125-1137.
  98. Stampolidis A., Tsokas G., Kiratzi A. and S. Pavlides (2007). Major tectonic structures in north eastern Greece deduced from geophysical and seismological data, "Bulletin of the Geological Society of Greece", Vol. XXXX, 1279-1291.
  99. Benetatos C. and A. Kiratzi (2008). The 8 January 2006, M 6.7 intermediate depth Kythera earthquake: Focal mechanism of the mainshock and slip distribution model using teleseismic waveforms, "Bulletin of the Geological Society of Greece", Vol. XXXXI/I, 67-75 (in Greek with English Abstract).
  100. Roumelioti, Z. and A. Kiratzi (2010). Moderate magnitude earthquake sequences in central Greece (for the year 2008). "Bulletin of the Geological Society of Greece", vol. XLIII (4), 2144-2153.
  101. Roumelioti, Z. and A. Kiratzi (2010). Incorporating Different Source Rupture Characteristics into Simulations of Strong Ground Motion from the 1867, M7.0 Earthquake on the Island of Lesbos (NE Aegean Sea, Greece). "Bulletin of the Geological Society of Greece", vol. XLIII (4), 2135-2143.
  102. Kiratzi A., Klimis N., Theodoulidis N., Margaris V., Makra K., Christaras V., Chatzipetros A., Papathanassiou G., Savvaidis A., Pavlides S., Roumelioti Z., Sapountzi L., Diamantis, I., Lazaridis Th., Petala, E. and K. Mimidis (2013). Characterization of site conditions in Greece for realistic seismic ground motion simulations: pilot application in urban areas, Bulletin of the Geological Society of Greece, vol. XLVII 2013, accepted.
  103. Kiratzi, A., Aktar, M. and N. Svigkas (2013). The 10 June 2012 Mw6.0 earthquake sequence in the easternmost end of the Hellenic Arc, Bulletin of the Geological Society of Greece, vol. XLVII 2013, | ID: 230.
  104. Kiratzi, A. (2013). The 1912 Ganos earthquake: source constraints using ground motion simulations, Bulletin of the Geological Society of Greece, vol. XLVII 2013, | ID: 231.

### **Εργασίες δημοσιευμένες σε ειδικούς τόμους**

105. Papazachos, C., Kiratzi, A. and D. Kontopoulou (1998). Active tectonics in the Aegean Sea and the surrounding lands. "In the book: Essential Results of Seismological Research in Greece, Ziti Publications Co.," 49-77 (in Greek).
106. Louvari, E. and A. Kiratzi (2000). The focal mechanism of the April 26, 1988 (Mw 5.3) earthquake (Adriatic Sea) and active tectonics of the peri-Adriatic region. "3rd International Conference on the Geology of the Eastern Mediterranean region", Book Editors: I. Panayides, C. Xenophontos and J. Malpas, 147-158.
107. Papazachos, B.C., Karakostas, V.G., Kiratzi, A. A., Margaris, V.N., Papazachos, C.B. and E. M. Skordilis (2003). Magnitude Scales for Earthquakes in Greece. "In the Special Volume for G. Galanopoulos", Athens University, (in Greek).
108. Roumelioti, Z., Kiratzi, A., Theodulidis, N., Panou, A., Savvaidis, A. and C. Benetatos (2006). Earthquake ground motion scenarios in urban areas: the case of the city of Thessaloniki (northern Greece). In the Monograph: "Geodynamics of the Balkan Peninsula", Edited by: G. Milev, 303-318.



109. Stampolidis, A., Tsokas, G. and A. Kiratzi (2006). Seismotectonics of western Greece using geophysical and seismological data. In the Monograph: "Geodynamics of the Balkan Peninsula", Edited by: G. Milev, 319-330.

### **Εργασίες σε Πρακτικά Συνεδρίων - Papers published in Conference Proceedings**

110. Papazachos, B., Kiratzi, A. and C. Papaioannou (1983). Stress patterns determined by fault plane solutions in the Aegean area. Proceedings of the General Assembly of the European Geophysical Society and European Seismological Commission, Leeds, August 1982, 352- 364.
111. Kiratzi, A., Scordilis, E., Theodulidis, N. and B. Papazachos (1984). Properties of the seismic sources and of the propagation medium that define the distribution of earthquake damage in Greece. "Proc of the Conference on Earthquakes and Constructions, February 1984, Athens", 262 – 274. (in Greek).
112. Papaioannou, C., Kiratzi, A., Papazachos, B. and N. Theodulidis (1985). Regionalization of the attenuation of intensities in the southern Balkan region. Proceedings of 3rd Symposium on the Analysis of Seismicity and Seismic Risk, June 17-22, 1985, Czechoslovakia, 306-312.
113. Papazachos, B., Kiratzi, A., Hatzidimitriou, P., Papaioannou, C. and N. Theodulidis (1985). Regionalization of seismic hazard in Greece. Proceedings of the 12th Seminar on Earthquake Engineering, September 16-25, Khalkidhiki, 1985, 1-12.
114. Papazachos, B., Kiratzi, A., Hatzidimitriou, P. and B. Karacostas (1986). Seismotectonic properties of the Aegean area that restrict valid geodynamic models. Proc. 2nd WEGENER/MEDLAS Conference, May 14- 16, Athens, 1986, 1- 16.
115. Kiratzi, A. (1989). Seismic source parameters in Greece. "Proc of the 1st Symposium on New Trends in Seismology and Geophysics in Greece", July 1 – 3, 1988, Thessaloniki, 62-75 (in Greek).
116. Kiratzi, A. (1990). Relations between magnitude scales for earthquakes in Greece. "Proc of the 1st scientific conference in Geophysics, of the Greek Geophysical Union, April 19 – 21, 1989, Athens", 658-665 (in Greek).
117. Kiratzi, A. and E. Papadimitriou (1992). Earthquake prediction and earthquake disaster mitigation policy in Greece. Proc. of the Int. School-Symposium on Earthquake Prediction and Earthquake Engineering, April 16-23, 1990, Plovdiv, Bulgaria, 72-82.
118. Kiratzi, A. (1993). A comparative study on the deformation of the Mediterranean subduction zones: the Hellenic Arc, the Calabrian Arc and Vrancea. Proc. of the 2nd Conf. of the Greek Geophys. Soc., May 5-7, 1993, Florina, Vol. I, 439-448.
119. Kiratzi, A. (1993). Active crustal deformation in the Italian peninsula and Sicily. Proc. of the 2nd Conf. of the Greek Geophys. Soc., May 5-7, 1993, Florina, Vol. I, 449- 459.
120. Karakaisis, G., Karakostas, B., Scordilis, E., Kiratzi, A., Diagourtas, D., Papadimitriou, P., Voulgaris, N. and M. Ziazia (1993). The spatial distribution of the aftershocks and the focal mechanism of the Galaxidi earthquake (central Greece) of November 18, 1992. Proc. of the 2nd Conf. of the Greek Geophys. Soc., May 5-7, 1993, Florina", Vol. I, 309-317.
121. Papazachos, B., Kiratzi, A. and E. Papadimitriou (1993). Seismotectonics of the Aegean area. Proc. of the 2nd Conf. of the Greek Geophys. Soc., May 5-7, 1993, Florina , Vol. II, 455-472.
122. Kiratzi, A. and C. Papazachos (1994). Pattern of deformation along the Azores-Gibraltar region. Proc. of the XXIV General Assembly of EUROPEAN SEISMOLOGICAL COMMISSION, Athens, Sept. 19-24, 432-439.
123. Papazachos, C. and A. Kiratzi (1994). Parameters of typical faults in the active regions of the Aegean and surrounding areas. Proc. of the XXIV General Assembly of EUROPEAN SEISMOLOGICAL COMMISSION, Athens, Sept. 19-24, 928-937.
124. Papazachos, B. C., Panagiotopoulos, D., Scordilis, E., Karakaisis, G., Karakaisis, Papaioannou, C., Karacostas, B., Papadimitriou, E., Kiratzi, A., Hatzidimitriou, P., Leventakis, G., Voidomatis, P., Pefitselis, K., Savaidis, A. and T. Tsapanos (1996). Focal properties of the 13 May 1995



- large (M 6.6) earthquake in the Kozani area (Northern Greece). "Proc. of the XV Congress of the Carpatho-Balkan Geol. Assoc.", 96-106.
125. Papazachos, B. and A. Kiratzi (1996). Type of faulting and seismic deformation in the Hellenic arc. "Proc. of the XV Congress of the CarpathoBalkan Geol. Assoc.", 41-45.
  126. Papazachos, B., Karakostas, B., Kiratzi, A., Papadimitriou, E. and C. Papazachos (1998). Properties of the rupture associated with the 1995 Kozani – Grevena earthquake sequence. "Proc. of the International Scientific Conference: The 13 May 1995 Kozani – Grevena earthquake – Scientific and social aspects", 69-91 (in Greek).
  127. Priestley, K., Hatzfeld, D., Bock, G., Lyon-Caen, H., Kiratzi, A., and K. Makropoulos (2000). Crustal velocity structure beneath the Aegean. *Eos Trans. AGU*, 81(48), Fall Meet. Suppl. 2000.
  128. Kiratzi, A. and E. Louvari (2001). On the active tectonics of the Aegean Sea and the surrounding lands. Proc. of the Symposia on "Seismotectonics of the North-western Anatolia – Aegean and recent Turkish earthquakes", Editor: T. Taymaz, Istanbul Technical University, pp 88-95.
  129. Papazachos, B., Karakostas, B., Kiratzi, A., Margaris, B., Papazachos, C. and E. Scordilis (2001). The appropriateness of magnitude scales which are used for the determination of relations concerning parameters of strong ground motion in Greece. "Proc. of the 2nd Greek Conf of Earthquake Engineering and Engineering Seismology, 28 – 30 November 2001, Thessaloniki", 55-64, (in Greek with English abstract).
  130. Roumelioti, Z. and A. Kiratzi (2002). Slip distribution of strong earthquakes in the Aegean Sea and the surrounding lands. "Proc. of the 2002 Wegener Conference, Athens 16-18 June, 2002", pp. 15.
  131. Arrigo, G., Roumelioti, Z., Bottari, A., Benetatos, C., Kiratzi, A., Neri, G., Termini, D. and A. Gorini (2002). Source modeling of the 1998 Lauria earthquake (Mw 5.4) in southern Italy by simulation of the ground acceleration time history. Proc. of the National Geophysical Conference, 20-22 November 2002, Rome, Italy.
  132. Roumelioti, Z., Benetatos, C., Kiratzi, A., Theodoulidis, N., Aktar, M., Karabulut, H. and G. Orgulu (2003). Source process of normal earthquakes: the 3 February 2002, M6.3 Afyon, Turkey and the 7 September 1999, M5.9 Athens, Greece earthquakes. Proceedings of the 5th International Conference on Case Histories in Geotechnical Engineering, April 13 – 17, 2004, New York, USA, CD Paper 12A-7.
  133. Tziavos, I., Savvaidis, P., Kiratzi, A. and B. Christaras (2005). GeoIMPACT – a thematic network for the management of the impact of natural disasters with the use of satellite and information technologies. Proceedings of the Int. Symposium on "Modern Technologies, Education and Professional Practice in Geodesy and Related Fields" 03 – 04 November 2005, Sofia, pp. 191-200.
  134. Savvaidis, P., Doukas, I., Tziavos, I., Kiratzi, A., Savvaidis, A., Sotiriadis, T. and S. Koutoupes (2005). Use of web-based GIS for the assessment of damage due to natural or man-made disasters to the urban environment. Proceedings of the Int. Symposium on "Modern Technologies, Education and Professional Practice in Geodesy and related fields", 03 – 04 November 2005, Sofia, pp. 495-504.
  135. Kiratzi, A., Savvaidis, P., Tziavos, I., Savvaidis, A., Koutoupes, S. and A. Sotiriadis (2006). Earthquakes and urban areas: Application of advanced techniques in evaluating earthquake loss in the city of Thessaloniki. Proceedings of the 2nd Conference "Environmental problems of Thessaloniki and of the broader region: views of the Aristotle University of Thessaloniki", Thessaloniki, June 1-4, 2006 (in Greek). (Greek title: Σεισμοί και δομημένο περιβάλλον: Εφαρμογή σύγχρονων μεθόδων για την εκτίμηση των αναμενόμενων επιπτώσεων στην πόλη της Θεσσαλονίκης), 124 - 134.
  136. Roumelioti, Z., Theodulidis, N. and A. Kiratzi (2006). The 20 June 1978 Thessaloniki (Northern Greece) earthquake revisited: slip distribution and forward modeling of geodetic and seismological observations. In the proceedings of the 4th Intern. Conf. on Earthquake Geotechnical Engineering, paper ID: 1594.

137. Kiratzi, A., Roumelioti, Z., Benetatos, C. and K. Simyrdanis (2008). Educational material related to earthquake phenomena and the seismicity of Greece (in digital form), Proc. 1st Hellenic Conference on Education, Naousa 9-11 May, 2008, pp. 400-408 (in Greek).
138. Roumelioti, Z., Benetatos, Ch., Kiratzi, A. and D. Dreger (2008). Near-real time moment tensors for earthquakes in Greece based on seismological data of the Hellenic Unified Seismological Network, 3rd National Conference of Earthquake Engineering and Engineering Seismology, Athens, 5-7 November, 2008, paper ID:1789. (in Greek)
139. Karamitrou, A., Roumelioti, Z. and A. Kiratzi (2008). Stochastic ground motion simulations from active tectonic structures possibly affecting the city of Thessaloniki, 3rd National Conference of Earthquake Engineering and Engineering Seismology, Athens, 5-7 November, 2008, paper ID:2082. (in Greek)
140. Roumelioti, Z., Kiratzi, A. and D. Dreger (2008). Near-Real Time Shake Maps for Earthquakes in Greece: pilot application, 3rd National Conference of Earthquake Engineering and Engineering Seismology, Athens, 5-7 November, 2008, paper ID: 2105. (in Greek)
141. Kiratzi, A., Roumelioti, Z. and C. Benetatos (2008). Real-time Seismology and Shake Maps in Greece. Proc. of the 31st General Assembly of the European Seismological Commission, ESC 2008, Hersonissos, Crete, Greece, 7-12 September 2008, pp. 228- 236.
142. Kiratzi, A. (2008). Source properties of strong  $M_w > 6.0$  earthquakes in Greece. 3rd Hellenic Conference on Engineering Seismology and Earthquake Engineering, Athens, 5-7 November, 2008 (in Greek with English abstract).
143. Kastelic, V., Kiratzi, A., Benetatos, C., Živčić, M. and J. Bajc (2010). Shear wave Q determination for the upper crust of western and central Slovenia, Proceedings of the XIX Carpathian Balkan Geological Association (CBGA) Congress, Thessaloniki, November, 2010, 377-385.
144. Papathanassiou, G., Kiratzi, A., Valkaniotis, S. and S. Pavlides (2014). Scenario liquefaction hazard map of the Gulf of Corinth, Proc. 2nd European Conference on Earthquake and Engineering Seismology, Istanbul Aug. 25-29, 2014, pp. 15.
145. Kiratzi A., Chatzipetros A., Papathanassiou, G. and Roumelioti, Z. (2014). Simulation of ground failures due to liquefaction in the broader urban area of Thessaloniki, Proceedings of the 7th Hellenic Conference of Geotechnical Engineering, Athens, 5 -7 November, 2014, pp. 8.

### **Άλλες Δημοσιεύσεις – Επιλεγμένες Επιστημονικές Τεχνικές Εκθέσεις**

146. Papazachos, B., Comninakis, P., Hatzidimitriou, P., Kiriakidis, E., Kiratzi, A., Panagiotopoulos, D., Papadimitriou, E., Papaioannou, C., Pavlides, S. and E. Tzanis (1982). Atlas of isoseismal maps of earthquakes in Greece 1902-1981. Publication of the Geophysical Laboratory, 4, pp. 126.
147. Papazachos, B., Kiratzi, A., Karakostas, B., Panagiotopoulos, D., Scordilis, E. and D. Mountrakis (1987). Properties of the aftershock sequence and of the causative fault of the Kalamata 13 September 1986 earthquake. "Proc. of the workshop TEE/TKM, Thessaloniki, January 1987", pp. 12. [Title in Greek: Παπαζάχος, Β., Κυρατζή, Α., Καρακώστας, Β., Παναγιωτόπουλος, Δ., Σκορδύλης, Ε., και Μουντράκης Δ. (1987). Ιδιότητες της μετασεισμικής ακολουθίας και του σεισμογόνου ρήγματος του σεισμού της Καλαμάτας της 13 Σεπτεμβρίου 1986. Ημερίδα TEE/TKM, Θεσσαλονίκη, Ιανουάριος 1987, σελ. 12].
148. Leventakis, G. Papaioannou, X., Tsokas, G. Kiratzi, A. Lekidis, B., and Zacharopoulos, E. (1987). Distribution of damage during the Kalamata September 1986 earthquakes; Workshop of Technical Chamber of Greece/Thessaloniki, January 1987 and Proc of the 1st Pan-Hellenic Conference of Earthquake Engineering and Engineering Seismology, 6-8/05/1992, Athens, pp. 321-330. [Title in Greek: Λεβεντάκης, Γ., Παπαϊωάννου, Χ., Τσόκας, Γ., Κυρατζή, Α., Λεκίδης, Β., και Ζαχαρόπουλος, Ε. (1987). Ισοβλαβείς των σεισμών της Καλαμάτας του Σεπτεμβρίου 1986. Ημερίδα TEE/TKM, Θεσσαλονίκη, Ιανουάριος 1987 και στα Πρακτικά 1ου Πανελληνίου Συνεδρίου Αντισεισμικής Μηχανικής και Τεχνικής Σεισμολογίας, 6-8/05/1992, Αθήνα, σελ.321-330].

149. Papazachos, B., Kiratzi, A., and Chatzidimitriou, P. (1989). The seismic risk of the city of Thessaloniki. Publication of the Municipality of Thessaloniki, "Thessaloniki 2300 years", pp. 18. [Παπαζάχος, Β., Κυρατζή, Α., και Χατζηδημητρίου, Π. (1989). Η σεισμική επικινδυνότητα της πόλης της Θεσσαλονίκης. Έκδοση Δήμου Θεσσαλονίκης για τα 2300 χρόνια της Θεσσαλονίκης, σελ. 18].
150. Kiratzi, A. (1991). The focal mechanism of the 25 May 1971 (Mw6.1) aftershock of the Gediz (Turkey) earthquake, Publ. of the Geophysical Lab., No 8, 45-47.
151. Papazachos, B., Panagiotopoulos, D., Skordilis, E., Karakaisis, G. Papaioannou, X., Karakostas, B., Papadimitriou, E., Kiratzi, A. Chatzidimitriou, P., Leventakis, G. Boïdomatis, F. Peftitselis, K., and Tsapanos, Th. (1995). The physical process of genesis of the earthquake of Kozani-Grevena 13 May 1995 (M = 6.6) and of its earthquake sequence. "Geotechnical Information", 73, 54-64. [Παπαζάχος, Β., Παναγιωτόπουλος, Δ., Σκορδίλης, Ε., Καρακαϊσής, Γ., Παπαϊωάννου, Χ., Καρακώστας, Β., Παπαδημητρίου, Ε., Κυρατζή, Α., Χατζηδημητρίου, Π., Λεβεντάκης, Γ., Βοϊδομάτης, Φ., Πεφτιτσέλης, Κ. και Τσάπανος, Θ. (1995). Η φυσική διαδικασία γένεσης του κύριου σεισμού της Κοζάνης-Γρεβενών της 13ης Μαΐου 1995 (M=6.6) και της σεισμικής ακολουθίας του. "Γεωτεχνική Ενημέρωση", 73, 54-64].
152. Louvari, E., Kiratzi, A. and B. Papazachos (1998). Earthquake fault plane solutions database and the stress field in the Aegean and the surrounding area. Proc. of the Scientific Meeting on "Earthquake fault plane solutions: databases, derived parameters, geodynamic inferences", Taormina (Messina), Sicily, February 4-5, 1997, Neri, G. and C. Eva (editors), 18-21.
153. Kiratzi, A. (1999). The seismicity of Greece in the context of plate motions. Proceedings of the Workshop "On the Seismic Disaster Response" Thessaloniki, Greece, 3-4, Dec., 1999, pp. 14. [Κυρατζή, Α. (1999). Η σεισμικότητα της Ελλάδας και οι κινήσεις των λιθοσφαιρικών πλακών. Πρακτικά Διημερίδας Αντιμετώπισης Σεισμικών Καταστροφών, Θεσσαλονίκη, 3-4, Δεκ., 1999, σελ 14].
154. Papazachos, B., Savvaidis, A., Papazachos, C., Papaioannou, Ch., Kiratzi, A., Muco, B., Kociu, S. and E. Sulstarova (2001). Atlas of isoseismal maps for shallow earthquakes in Albania and surrounding area (1851-1990). Publication of the Geophysical Lab., No 10, Aristotle University of Thessaloniki, pp. 57.
155. Papazachos, B.K., Karakostas, B.G., Kiratzi, A.A., Margaris, B.N., Papazachos, and Skordilis, M. (2002). On the Magnitude of Earthquakes in Greece, Symposium in memory Aggelos Galanopoulos, 31 October – 2 November 2002, Athens, pp. 9. [Παπαζάχος, Β.Κ., Καρακώστας, Β.Γ., Κυρατζή, Α.Α., Μάργαρης, Β.Ν., Παπαζάχος, Κ.Β. και Σκορδύλης, Ε.Μ. (2002). Η Μέτρηση του Μεγέθους των Σεισμών της Ελλάδας, Συμπόσιο στη μνήμη Άγγελου Γαλανόπουλου, 31 Οκτωβρίου–2 Νοεμβρίου 2002, Αθήνα, σελ. 9.].
156. Zouros N, Pavlides S, Kiratzi AA, Kakakaisis G, Drakatos G, Soulakellis N, Vaitis M, Tsapanos Th, Chatzipetros A, Ganas A, Sboras S, Koravos G, Koukourouvli N, Lampaki O and Valiakos I (2008) Active fault and seismicity maps of the North Aegean region (6 maps, 1:200.000, 1:100.000). Research project: Use of modern research tools in geosciences for seismic hazard management in NE Aegean islands, Natural History Museum of the Lesvos Petrified Forest, Mytilene, Lesvos, Greece. <http://naseismic.geo.aegean.gr>

### Επιλεγμένες Τεχνικές Εκθέσεις

157. Kiratzi, A., Karakaisis, G., Scordilis, E., Roumelioti, Z., Benetatos, Ch., Kementzetzidou, K. and A. Baba (2003). A study of the June 2003 earthquake activity in the Psachna region of Evia Island, Technical Report submitted to OASP, (in Greek), pp. 10.
158. Muço, B., Kiratzi, A., Aliaj, S., Sulstarova, E., Kociu, S., Peçi, V., Scordilis, E. and N. Kuka (2003). Probabilistic seismic hazard assessment in Albania. Included in the Scientific Report of the project "Seismotectonics and Seismic Hazard Assessment in Albania" pp. 20.
159. Roumelioti, Z. and A. Kiratzi (2004). Earthquakes affecting the built environment of the city of Thessaloniki, Technical Report prepared in the framework of the SEISIMPACT-THES project, pp. 12.

160. Drakatos, G., Ganas, A. and A. Kiratzi (2005). 3-D monitoring of active tectonic structures. Technical Report prepared for COST Action 625, pp. 25.
161. Kiratzi, A., Roumelioti, Z., Benetatos, C. and D. Dreger (2005). Development of procedures for the rapid estimation of ground shaking from earthquakes in Greece for immediate response, Technical Report prepared in the framework of a bilateral Project between Greece – USA, funded by GSRT pp. 76.
162. Benetatos, C. and A. Kiratzi (2005). Preliminary Slip Distribution of the 18 October 2005 (Mw 5.6) Zakynthos event (Ionian Sea), Research Report submitted to EMSC, pp.4 [[http://www.emsc-csem.org/Doc/IONIAN\\_SEA\\_181005/AUTH\\_report.pdf](http://www.emsc-csem.org/Doc/IONIAN_SEA_181005/AUTH_report.pdf)].
163. Roumelioti, Z., Benetatos, Ch., Kiratzi, A. and D. Dreger (2007). Near-Real Time Moment Tensors for Earthquakes in Greece provided by the Dept of Geophysics, Aristotle University of Thessaloniki (AUTH –solutions). Research Report submitted to EMSC, pp.14 ([http://www.emsc-csem.org/Doc/Moment\\_tensors\\_EMSC\\_revised.pdf](http://www.emsc-csem.org/Doc/Moment_tensors_EMSC_revised.pdf)).
164. Piccardi, Luigi, L. Toth, Eutizio Vittori, Shyqyri Aliaj, Giuseppe Cello, W.D. Cunningham, G. Drakatos, Andrej Gosar, D. Herak, Marijan Herak, Stanka Šebela, Eduard Sulstarova, G. Windhoffer, B. Glavatović, A. Kiratzi, A. Ganas, M. Omerbašić, Spyros Pavlides, L. Petro, G. Sijarić, Bruno Tomljenović, E. Tondi (2008). A first attempt at compiling a map of active faults of the Adria region.
165. Kiratzi, A. and C. Benetatos (2008). The 6 January 2008 (Mw6.2) Leonidio (southern Greece) intermediate depth earthquake: teleseismic body wave modeling, Research Report submitted to EMSC, pp.6; ([http://www.emsc-csem.org/current/evt/TeleseismicInversion\\_Leonidion.pdf](http://www.emsc-csem.org/current/evt/TeleseismicInversion_Leonidion.pdf))
166. Kiratzi, A., Roumelioti, Z., Benetatos, C. and D. Dreger (2008). ShakeMaps for earthquakes in Greece, Technical Report prepared for a bilateral project between Greece – USA, funded by GSRT, pp. 176.
167. Roumelioti, Z. and A. Kiratzi (2008). Stochastic strong ground motion simulations from scenario earthquakes affecting the cities of Drama, Kavala, Xanthi, Komotini (eastern Macedonia and Thrace). In the Technical Report prepared in the framework of the project: “Contribution of Seismology, Geology and Geophysics in the identification of active tectonic structures and to the simulation of expected ground motions in selected sites: emphasis in the area of Macedonia and Thrace”, EPEAEK: Pythagoras II Ministry of Education and Religious Affairs, WP4, pp. 32 (in Greek).
168. Karamitrou, A. and A. Kiratzi (2008). Stochastic simulation of the ground motions of the August 9, 1912 Mw 7.4 earthquake in the Ganos Fault, Technical Report prepared in the framework of the bilateral Greece – Turkey project with title: “Common strategies in earthquake hazard assessment and seismological data exchange between Turkey and Greece”, pp. 18 (in Greek).
169. Roumelioti, Z. and A. Kiratzi (2008). The 14 October 2008 moderate magnitude sequence offshore NE Evia Island (Aegean Sea): Time-domain Moment tensors and shake map. Report submitted to European Mediterranean Seismological Commission, pp. 6
170. Kastelic, V., Kiratzi, A., Benetatos, C., Živčić, M. and J. Bajc (2009). Q for shear waves in the upper crust of western and central Slovenia, pp. 12.
171. Tafaro, F., Roumelioti, Z., Neri, G. and A. Kiratzi (2009). Synthetic Strong Ground Motions for the 28 December 1908 (M7.0) Messina Earthquake: Investigating Different Source Geometries, pp. 15.
172. Kiratzi, A. (2009). The 24 May 2009 Mw5.2 earthquake sequence near Lake Doirani (FYROM - Greek borders): focal mechanisms slip model, ground motions. Report submitted to European Mediterranean Seismological Commission, pp. 8

**Προσκεκλημένες εργασίες σε συνέδρια, ημερίδες**



1. Workshop in the framework of the International Lithosphere Project ILP-II "World Map of major active faults: The North Anatolian and the Aegean active fault systems, June 1-8, 1992, Thessaloniki (Invited Speaker).
2. Workshop on Earthquake Observations, Monitoring and Research, Joint Research Centre (JRC), November 4-5, 1996, Ispra, Italy (Invited Speaker).
3. Messina University Forum, Scientific Meeting on "Earthquake fault plane solutions: databases, derived parameters, geodynamic inferences", February 4-, 1997, Taormina (Messina), Italy (Invited Speaker).
4. Workshop on the "Management of Earthquake Catastrophes", Thessaloniki, 3-4 December, 1999 (Invited Speaker).
5. International Advanced Research Workshop "Integration of Earth Science Research on the Turkish and Greek 1999 earthquakes and needs for future cooperative research", May 14-17, 2000, Istanbul, Turkey (invited speaker).
6. Symposia on "Seismotectonics of North-Western Anatolia – Aegean and recent Turkish events", Istanbul, Turkey, May 7-9, 2001 (invited speaker).
7. Workshop organized by the Ministry of Environment, Planning and Public Works "Earthquake Design of Constructions", Kavala, Greece, 21-22 September 2002, (invited speaker).
8. International Workshop on "Social, Economic and Environmental Impacts of Chemistry & Geology", Thessaloniki, 14-15 April 2003 (invited speaker).
9. Workshop "Insurance and Earthquake: Risks and Protection", Thessaloniki, May 14, 2003 (invited speaker).
10. 2<sup>nd</sup> International Conference on Ecological Protection of the Planet Earth, Sofia, Bulgaria, 5 – 8 June 2003 (invited speaker).
11. Workshop on "Seismogenic faulting and seismic activity in the Calabrian Arc region: research trends and links to current investigations in other regions", Taormina, Sicily, 16-19 October, 2003 (invited speaker).
12. European Advanced School on Tectonics, ICTP, Trieste, 18-22 April 2005 (invited teacher).
13. Scientific Conference of the Geological Society of Greece: "Geology of Thrace – Seismotectonics of NE Aegean Sea", Samothrace Island, September 2– 4, 2005 (invited speaker).
14. International Conference: "Neogene Magmatism of the Central Aegean and Adjacent Areas: Petrology, Tectonics, Geodynamics, Mineral Resources and Environment, (NECAM 2006)", Title of invited Lecture: Distributed faulting in the Aegean Sea and the surrounding lands", 11 - 13 September 2006, Milos Island, Greece (**Invited Keynote Lecture**).
15. European Geosciences Union, General Assembly 2007, April 15-20, 2007, Vienna, Austria (Invited Lecture, Session TS10.5/ GD12/SM19).
16. Symposium 'Terra et Mare of Corinthian', Invited Lecture: The seismotectonics of the Corinth Gulf, Corinth 2-3 May, 2008.
17. 31<sup>st</sup> General Assembly of the European Seismological Commission, ESC 2008, Hersonissos, Crete, Greece, 7-12 September 2008 (**Invited Assembly Lecture**: "Seismology in Greece: Current advances and insights").
18. 3<sup>rd</sup> Hellenic Conference on Engineering Seismology and Earthquake Engineering, (**Invited Thematic Lecture** "Source properties of strong Mw>6.0 earthquakes in Greece), Athens 5-7 November, 2008.
19. 2<sup>nd</sup> International Workshop "Advances in understanding crustal deformation in SE Europe using the GNSSystems» Invited lecture title: "The 24 May 2009 Mw5.2 earthquake sequence near Lake Doirani (FYROM - Greek borders): focal mechanisms, slip model, ground motions" Kato Nevrokopi, Eastern Macedonia, Greece, November 20 - 21, 2009.
20. 6<sup>th</sup> Workshop of the ILP Task Force on Sedimentary Basins, Invited Lecture "Seismic sequences in Dibra region (Albania) and implications for the seismic hazard of the region", Tirana, Albania, 8-11 Nov 2010.
21. 18<sup>th</sup> Student Conference on Structures, Invited Lecture: The most significant characteristics of strong earthquakes in Greece, Patras, 14-15 February, 2012.



1. Peçi, V., E. Scordilis, A. Kiratzi, B. Muço, N. Kuka, and Sh. Shubleka (2000). A new catalogue for recent earthquakes in Albania, poster presentation, American Geophysical Union Spring Meeting, book of abstracts, May 30-June 3, 2000, Washington, D.C.
2. Louvari, E. and A. Kiratzi (2000). The focal mechanism of the April 26, 1988 earthquake (Adriatic Sea). 3rd International Conference on the Geology of the Eastern Mediterranean”, Sept 23-26, Nicosia, Cyprus, 1998.
3. Arrigo, G., Roumelioti, Z., Bottari, A., Benetatos, Ch., Kiratzi, A., Neri, G., Termini, D. and A. Gorini (2002). Source modeling of the 1998 Lauria earthquake (Mw 5.4) in southern Italy by simulation of the ground acceleration time history, Proc. of the National Geophysical Conference, 20-22 November 2002, Rome, Italy.
4. Benetatos, Ch., Kiratzi, A., Papazachos C. and G. Karakaisis (2002). Source parameters of intermediate depths earthquakes in the southern Aegean Sea and stochastic simulation of ground motion, 26th General Assembly of the European Seismological Commission, (September 1-6, 2002), Genoa, Italy.
5. Diagourtas, D., Theodulidis, N., Makropoulos, K., Kiratzi, A., Roumelioti, Z., and N. Voulgaris (2002). Strong Ground Motion Simulation of the Sept. 7, 1999 Athens (Greece) Earthquake (Mw5.9); 26th General Assembly of the European Seismological Commission, (September 1-6, 2002), Genoa, Italy.
6. Benetatos, Ch., Kiratzi, A., Papazachos C. and G. Karakaisis (2003). Focal mechanisms of shallow and intermediate depth earthquakes along the Hellenic Trench, Abstract Volume of the International conference “The South Aegean Active Volcanic Arc: Present Knowledge and future perspectives” Milos island, (SAAVA 2003, 17-20 September, 2003), Greece.
7. Roumelioti, Z., Benetatos, Ch., Kiratzi, A., Stavrakakis, G. and N. Melis (2003). Preliminary study of the 2 December 2002 (M 5.5) Vartholomio (western Peloponnese, Greece) earthquake sequence, European Seismological Commission/Sub-Commission on Earthquake Prediction Research, 1st International Workshop on Earthquake Prediction, Nov 6-7, 2003, Athens, Greece.
8. Karagianni, I., Papazachos, C., Scordilis, E., Karakaisis, G. and A. Kiratzi (2003). Accelerating seismic crustal deformation before recent strong earthquakes in the broader Himalayas area: indications for the precursory behavior of interplate and intraplate mainshocks, European Seismological Commission /Sub-Commission on Earthquake Prediction Research, 1st International Workshop on Earthquake Prediction, Nov 6-7, 2003, Athens.
9. Benetatos, C., Roumelioti, Z., Kiratzi, A., Stavrakakis, G., Drakatos, G., Latoussakis, I., Karastathis, V., Ganas, A., and M. Arvanitis (2003). Source parameter study of the 14 August 2003 (M 6.2) Lefkada earthquake and its largest aftershocks, European Seismological Commission /Sub-Commission on Earthquake Prediction Research, 1st International Workshop on Earthquake Prediction, Nov 6-7, 2003, Athens, Greece.
10. Roumelioti, Z., Benetatos, C., Kiratzi, A., Theodoulidis, N., Aktar, M., and H. Karabulut (2003). Source process of normal earthquakes: the 3 March 2002, M6.6 Afyon, Turkey and the 7 September 1999, M5.9 Athens, Greece earthquakes. Abstract, 5th International Conference on Case Histories in Geotechnical Engineering, April 13 – 17, 2004, NY.
11. Kiratzi, A. and Z. Roumelioti (2003). Source parameters that affect strong ground motions: case studies of recent large earthquakes in the Aegean Sea. Invited presentation at the Workshop on “Seismogenic faulting and seismic activity in the Calabrian Arc region: research trends and links to current investigations in other regions”, October 16-17, 2003, Taormina, Sicily, pp. 47-48.
12. Roumelioti, Z., Kiratzi, A. and N. Theodoulidis (2003). Stochastic strong ground motion simulation of the 7 September 1999 Athens (Greece) earthquake, Eos Trans. AGU, 84(46), Fall Meet. Suppl., Abstract S52A-0131.

- 13.** Savvaidis, P., I. Doukas, Th. Hatzigogos, I.N.Tziavos, A. Kiratzi, Z. Roumelioti, A. Savvaidis, N. Theodulidis, S. Koutoupes, G. Karantonis (2003). SEISIMPACT-THES: a system for the evaluation of seismic impact in the built environment of the prefecture of Thessaloniki, 10th Intern. Conf. of the Hellenic Geological Society, 2004.
- 14.** Kiratzi, A., Z. Roumelioti, Ch. Benetatos, N. Theodulidis, A. Savvaidis, A. Panou, H.Tziavos, P. Savvaidis, Hatzigogos, Th., S. Koutoupes, G. Karantonis (2003). SEISIMPACT-THES: scenario earthquakes affecting the built environment of the prefecture of Thessaloniki, Abstract submitted to the 10th EGE 2004 Conference.
- 15.** Koutoupes, S., G. Karantonis, A. Sotiriadis, A. Kiratzi, K. Valadaki, N. Theodulidis, A. Savvaidis, H.Tziavos, P. Savvaidis, I. Doukas (2003). SEISIMPACT-THES: Design, development and application of an information system to assess the vulnerability to earthquake hazard of the built environment of the prefecture of Thessaloniki, Abstract submitted to the 10th EGE 2004 Conference.
- 16.** Benetatos, Ch., A. Kiratzi, K. Kementzetzidou, Z. Roumelioti, G. Karakaisis, E. Scordilis, I. Latoussakis, G. Stavrakakis, G. Drakatos (2003). The Psachna (Evia Island) earthquake swarm of June 2003, Abstract submitted to the 10th EGE 2004 Conference.
- 17.** Roumelioti, Z., Kiratzi, A. and N. Theodoulidis (2003). Regional waveform simulation of the 1999 Athens earthquake by the empirical green's function method, Abstract submitted to the 10th EGE 2004 Conference.
- 18.** Kömeç, A., H. Karabulut, S. Özalaybey, A. Kiratzi, M. Aktar, R. Roumelioti, C. Benetatos, and C. Tapırdamaz (2004). The analysis of the 2003 Saros Earthquake Sequence, North Eastern Aegean Region. Abstract submitted to the EGS 2004 Conference, Nice, France.
- 19.** Savvaidis, A., N. Theodulidis, P. Dimitriou, A. Kiratzi, P. Savvaidis, I. Tziavos, G. Karantonis, S. Koutoupes (2004). SEISIMPACT-THES: A Project Leading to a Reappraisal of the Environmental and Economic Impact of the 1978 Earthquake (Mw 6.5) to the City of Thessaloniki (Greece), Abstract submitted to the EGS 2004 Conference, Nice, France.
- 20.** Kiratzi, A., Z. Roumelioti, Ch. Benetatos, N. Theodulidis, A. Savvaidis (2004). Scenario Earthquakes Affecting the Built Environment of Urban Regions in Greece: The Case of the City of Thessaloniki, Abstract submitted to the XXIX General Assembly of European Seismological Commission, Sept 12-17, 2004, Potsdam.
- 21.** Kiratzi, A., Dreger, D., Roumelioti, Z., and C. Benetatos (2004). Definition of Seismogenic Faults by Combining Seismological, Geological and Geophysical Data: Case Studies from the Aegean Sea Area, 2004 AGU Fall meeting, invited (reference number 3633), presented by D. Dreger.
- 22.** Benetatos, C., Dreger, D. and A. Kiratzi (2004). The earthquake of 14 Aug. 2003 in Lefkada Island: source characteristics and geotechnical effects, Presented at the 6th Hellenic Environmental Conference, Thessaloniki 9-12 Dec. 2004.
- 23.** Tziavos I.N., Savvaidis P., Kiratzi A. and Christaras B. (2005): Geo-Impact - A Thematic Network for the Management of the Impact of Natural Disasters with the Use of Satellite and Information Technologies International Symposium Modern Technologies, Education and Professional Practice in Geodesy and Related Fields, 3-4 November, 2005, Sofia, Bulgaria.
- 24.** Roumelioti, Z., Theodulidis, N., and A. Kiratzi (2005). Slip distribution and forward modeling of geodetic and seismological data of the 20 June 1978 Thessaloniki (Northern Greece) earthquake, Presented in the 2nd General Assembly of the European Geosciences Union, Vienna 24 – 29 April, 2005.
- 25.** Karabulut, H., Roumelioti, Z., Benetatos, C., Komec, A., Ozalaybey, S., Aktar, M. and A. Kiratzi (2005). A source study of the July 2003 earthquake sequence in the Gulf of Saros (Northern Aegean Sea): new evidence for the western continuation of the Ganos fault, Intern. Symposium on the Geodynamics of Eastern Mediterranean: Active tectonics of the Aegean Region, June 15 -18, 2005, Istanbul.
- 26.** Roumelioti, Z., Kiratzi. A., Theodulidis, N., Savvaidis, A. and C. Benetatos (2005). Seismological contribution to a system (SEISIMPACT–THES) designed for the evaluation of

- seismic impact in the built environment of the prefecture of Thessaloniki (Northern Greece), Intern. Symposium on the Geodynamics of Eastern Mediterranean: Active tectonics of the Aegean Region, June 15 -18, 2005, Istanbul.
- 27.** Roumelioti, Z., Kiratzi, A. and N. Theodulidis (2005). Slip distribution and forward modeling of geodetic and seismological data of the 20 June 1978 Thessaloniki (Northern Greece) earthquake, Intern. Symposium on the Geodynamics of Eastern Mediterranean: Active tectonics of the Aegean Region, June 15 -18, 2005, Istanbul.
  - 28.** Stampolidis, A., Tsokas, G., Kiratzi, A. and I. Moretti (2005). Seismotectonics of western Greece using geophysical and seismological data, Conference on: Thrust belts and Foreland Basins, Joint Earth Science Meeting, Société Géologique de France – Sociedad Geológica de España, 14 – 16 December 2005, Paris, France.
  - 29.** Benetatos, C., Kiratzi, A., Ganas, A., Ziazia, M., Plessa, A. and G. Drakatos (2006). Properties of the October 2005 earthquake sequence in the Gulf of Siğacik (Seferihisar) along the Greek – Turkish borders, presented in the General Assembly of European Geophysical Union, 2 -7 April, 2006, Vienna, Austria.
  - 30.** Benetatos, C., Kiratzi, A., Ganas, A., and G. Drakatos (2006). Properties of the October 2005 earthquake sequence in the Gulf of Siğaçık (Seferihisar) – eastern Aegean Sea, presented in the Conference “11th Symposium on Natural Hazards and 2nd Workshop on Earthquake Prediction of the European Seismological Commission”, 22-24 June 2006, University of Patras (Greece).
  - 31.** Panou, A., Theodulidis, N., Savvaidis, A., Roumelioti, Z., Dimitriou, P., Hatzidimitriou, P., Kiratzi, A., and C. Papazachos (2006). Correlation of Ambient Noise Ground Vulnerability Index [Kg] with Earthquake Damage: The Case of the City of Thessaloniki (northern Greece), presented in the 1st European Conference on Earthquake Engineering and Seismology, 3–8 September 2006, Geneva, Switzerland.
  - 32.** Benetatos, C. and A. Kiratzi (2006). Source characteristics of the 8 January 2006 (Mw 6.7) intermediate depth Kythera earthquake (Aegean Sea); presented in the 1st European Conference on Earthquake Engineering and Seismology, 3–8 September 2006, Geneva, Switzerland.
  - 33.** Kiratzi, A. (2006). Distributed faulting in the Aegean Sea and the surrounding lands, Invited Keynote Lecture in the International Conference: “Neogene Magmatism of the Central Aegean and Adjacent Areas: Petrology, Tectonics, Geodynamics, Mineral Resources and Environment, (NECAM 2006)”, 11 - 13 September 2006, Milos Island, Greece.
  - 34.** Roumelioti, Z., Theodulidis, N. and A. Kiratzi (2006). The 20 June 1978 Thessaloniki (Northern Greece) Earthquake Revisited: Slip Distribution and Forward Modeling of Geodetic and Seismological Observations, 4th International Conference on Earthquake Geotechnical Engineering, June 25 – 28, 2007, Thessaloniki, Greece.
  - 35.** Kiratzi, A. (2007). Distributed Earthquake Faulting in the Aegean Sea and Kinematic Analysis of Strong Events, European Geosciences Union General Assembly, April 15-20, 2007, Vienna, Austria (Invited Lecture, Session TS10.5/ GD12/SM19).
  - 36.** Benetatos, C. and A. Kiratzi (2007). The 17 October 2005 earthquakes at the Gulf of Siğaçık (western Turkey): directivity and slip models for the strongest events, European Geosciences Union General Assembly, April 15-20, 2007, Vienna, Austria (Session SM12).
  - 37.** Ganas, A., Drakatos, G., Bosy, J., Petro, L., Kontny, B., Stercz, M., Melis, N., Caçon, S., Papanikolaou, M. and A. Kiratzi (2007). COST Action 625 Results: Monitoring of the Kaparelli active fault, 2003-2006. European Geosciences Union General Assembly, April 15-20, 2007, Vienna, Austria.
  - 38.** Benetatos, C., Dreger, D. and A. Kiratzi (2007). Synthetic Tests to Explore the Resolution of Slip Models Obtained from the Inversion of Teleseismic Waveforms: Complex and Segmented Rupture of the 14 August 2003, Mw6.2 Lefkada (Ionian Islands) Earthquake, European Geosciences Union General Assembly, April 15-20, 2007, Vienna, Austria (Session SM7).

39. Tafaro, F., Roumelioti, Z., Benetatos, C., Kiratzi, A., Bottari, A. and G. Neri (2007). Stochastic strong ground motion simulation of the 28 December 1908 M7.0 Messina (Sicily) earthquake: investigating different source scenarios, IUGG XXIV, Perugia 2-13 July, 2007.
40. Kastelic, V., Bajc, J., Mladen, I., and A. Kiratzi (2007). Applying Different Techniques in Studying an Active Strike-slip Fault: Example of a Seismotectonic Study in the Southern Alps, NW Slovenia, IUGG XXIV, Perugia 2-13 July, 2007.
41. Kastelic, V., Kiratzi, A., Benetatos, C., Živčić, M. and J. Bajc (2007). S-wave attenuation in western and central Slovenia in the frequency range 0.6 to 16 Hz, IUGG XXIV, Perugia 2-13 July, 2007.
42. Piccardi, L., Toth, L., Vittori, E., Aliaj, S., Cello, G., Cunningham, W.D., Drakatos, G., Kiratzi, A., Tondi, E., A first attempt at compiling a map of active faults of the Adria region (2007), Geophys. Res. Abstracts, 9, p. 09228.
43. Roumelioti, Z., Benetatos, C., Kiratzi, A. and D. Dreger (2007). Rapid estimation of seismic parameters in Greece using broad band waveforms of the Hellenic Unified Seismic Network, 3rd Hellenic Conference of Earthquake Engineering and Engineering Seismology, Athens, 5 -7 November, 2008 (Abstract No 1789).
44. Karamitrou, A., Roumelioti, Z. and A. Kiratzi (2007). Stochastic strong ground motion simulations due to activation of active tectonic structures at the proximity of the city of Thessaloniki, 3rd Hellenic Conference of Earthquake Engineering and Engineering Seismology, Athens, 5 -7 November, 2008 (Abstract No 2082).
45. Kiratzi, A., Sokos, E., Ganas, A., Tselentis, A., Benetatos, C., Roumelioti, Z., Serpetsidaki, A., Andriopoulos, G., Galanis, O., and Petrou, P. (2008). European Geosciences Union, General Assembly 2008, Vienna, Austria 13-18 April, 2008 Geophysical Research Abstracts, Vol. 10, EGU2008-A-00000.
46. Kiratzi, A. (2008). Ενεργός Τεκτονική στην ευρύτερη περιοχή του Κορινθιακού Κόλπου, Συμπόσιο-Συνέδριο ΓΗ και ΘΑΛΑΣΣΑ της ΚΟΡΙΝΘΙΑΣ: Γεωλογία- Σεισμολογία-Περιβάλλον, 2-3 Μαΐου 2008, Κόρινθος (Extended abstract in Greek).
47. Kiratzi, A., Roumelioti, Z., Benetatos, C. and K. Simirdanis (2008). Educational material in digital form related to the earthquakes and the seismicity of Greece, 1st Greek Conference on Education, Naousa 9-11 May, 2008.
48. Kiratzi, A., Roumelioti, Z. and C. Benetatos (2008). Real time seismology and ShakeMaps in Greece. Paper presented at the 31st General Assembly of ESC, Hersonissos, Crete, 7-12 Sept, 2008.
49. Roumelioti, Z., Benetatos, C. and A. Kiratzi (2009). Source process of the 14 February 2008 M6.7 Earthquake Offshore South Peloponnese (Greece), EGU General Assembly 2009, Geophysical Research Abstracts, Vol. 11, EGU2009-0.
50. Roumelioti, Z. and A. Kiratzi (2009). Incorporating different source rupture characteristics into simulations of strong ground motion from the 1867, M7.0 earthquake on the island of Lesbos (NE Aegean Sea, Greece), Abstract, EGE 2010.
51. Roumelioti, Z. and A. Kiratzi (2009). Moderate magnitude earthquake sequences in central Greece, for the year 2008. Abstract, EGE, 2010.
52. Sokos, E., Kiratzi, A., Serpetsidaki, A., Tselentis, G-A, Novotny, O., Jansky, J. and J. Zahradnik (2010). The January 2010 Efpalio earthquake sequence in Western Corinth Gulf: epicenter relocations, focal mechanisms, slip models, 32nd General Assembly of the ESC, 6-10 Sept 2010, Montpellier, France.
53. Krizova, D., Kiratzi, A. and J. Zahradnik (2010). The 26 June 2009 Santorini Island (Cyclades) earthquake swarm in the Hellenic Volcanic Arc: source characteristics using full moment tensor inversions, 32nd General Assembly of the ESC, 6-10 Sept 2010, Montpellier, France.
54. Kiratzi, A. (2010). Seismic sequences in Dibra region (Albania) and implications for the seismic hazard of the region, 6th Workshop of the ILP Task Force on sedimentary basins, Dynamics and active processes: the Albanian natural laboratory and analogues, Tirana, Albania, November 7- 12, 2010.



55. Kiratzi, A. (2012). The January 2012 earthquake sequence in southern Aegean Sea: rupture directivity resolved from apparent source time functions, IESCA, Izmir 5-10 October, 2012.
56. Kiratzi, A. (2012). The 19 May 2011 Mw5.8 Kütahya earthquake: focal mechanism and slip model from the inversion of broad band regional waveforms, IESCA, Izmir 5-10 October, 2012.
57. Kiratzi A., Klimis N., Theodoulidis N., Christaras V., Pavlides S., Papathanassiou G., Chatzipetros A., Margaris V., Makra K., Savvaidis A., Roumelioti Z., Lazaridis Th., Sapountzi L. (2013). Characterization of site conditions in Greece for realistic seismic ground motion simulations: pilot application in urban areas, EGE Conference, Chania Sept 2013.
58. Kiratzi, A., Aktar, M. and N. Svigkas (2013). : The 10 June 2012 Mw6.0 earthquake sequence in the easternmost end of the Hellenic Arc, 13th International Congress of the Geological Society of Greece, Chania Sept 2013 | ID:230.
59. Kiratzi, A. (2013). The 1912 Ganos earthquake: source constraints using ground motion simulations, 13th International Congress of the Geological Society of Greece, Chania Sept 2013 |ID: 231.
60. Kiratzi, A., Klimis, N., Papathanassiou, G., Christaras, B., Chatzipetros, A., Pavlides, S., Theodoulidis, N., Margaris, B., Makra, K., Savvaidis, A., Roumelioti, Z., Zargli, E., Diamantis, I., Lazaridis, Th., Petala, E., Mimidis, K., and L. Sapountzi (2013). Towards a classification of site conditions in Greece based on their geological and geophysical characteristics, presented at ICEGE, From Case History to Practice, 16-20 June 2013, Istanbul.
61. Kiratzi A., Roumelioti, Z., Chatzipetros A., and G. Papathanassiou (2013). Simulation of off-fault surface effects from historical earthquakes: the case of the city of Thessaloniki (Northern Greece): Submitted to IAEG XII CONGRESS, Torino 2014, Engineering Geology for Society and Territory Session 5.16: Off-fault coseismic surface effects and their impact in urban areas| Convener: Prof Pedro Alfaro.
62. Kiratzi A., Roumelioti, Z., Chatzipetros A., and G. Papathanassiou (2013). Simulation of ground failures in the broader metropolitan region of Thessaloniki. Submitted to 7th Hellenic Conference of Geo-mechanics, Athens 5-7 November 2014.
63. Chaljub, E., Maufroy, E., de Martin, F., Hollender, F., Cédric Guyonnet-Benaize, Manakou, M., Savvaidis, A., Kiratzi, A., Roumelioti, Z. and N. Theodoulidis (2014). How sensitive is earthquake ground motion to source parameters? Insights from a numerical study in the Mygdonian basin, Geophysical Research Abstracts, Vol. 16, EGU2014-11738, 2014, EGU General Assembly 2014.
64. Roumelioti, Z., Margaris, V. and A. Kiratzi (2014). Synthetic strong ground motion from a scenario earthquake in a region of sparse seismological data: Xanthi, N. Greece, Abstract ID 14-709, SSA 2014 Annual Meeting, Anchorage, Alaska.
65. Papathanassiou, G., Kiratzi, A., Valkaniotis, S. and S. Pavlides (2014). Scenario liquefaction hazard map of the Gulf of Corinth, Second European Conference on Earthquake and Engineering Seismology, Istanbul Aug. 25-29, 2014.
66. Theodoulidis, N., Klimis, N., Savvaidis, A., Margaris, B., Chatzipetros, A., Papathanassiou, G., Roumelioti, Z., Makra, K., Anthymidis, M., Diamantis, I., Mimidis, K., Petala, E., Lazaridis, Th., Zargli, E., Kiratzi, A., Christaras, B., Kontoe, S., and S. Sapountzi (2014). Defining shallow structure properties by composing geophysical, geological and geotechnical data for site response analysis: the case of Xanthi town (northeastern Hellas). 2nd European Conference on Earthquake Engineering and Seismology, Istanbul, 25-29 August, 2014.
67. Křížová, D., Zahradník, J. and A. Kiratzi (2014). Source characteristics of earthquakes in volcanic regions, 1st Int. Geo-Cultural Symposium, 6-8 June 2014, Thira.
68. Roumelioti, Z., Kiratzi, A. and B. Margaris (2014). Earthquake scenario based hybrid input motions for the case city of Xanthi (Greece), Advances in Earthquake Source Physics Workshop, 1-2 Sept 2014, University College London.
69. Svigkas, N., Papoutsis, I., Loupasakis, K., Kontoes, H. & A. Kiratzi (2014). Geo-hazard Monitoring in Northern Greece Using InSAR techniques: the case Study of Thessaloniki, 9th



### Εκπαιδευτικές Σημειώσεις

1. Παπαζάχος, Β., Β. Καρακώστας, Α. Κυρατζή, Δ. Παναγιωτόπουλος, Ε. Παπαδημητρίου, Κ. Πεφτιπσέλης, Α. Ρόκκα και Θ. Τσάπανος. Εργαστηριακές Ασκήσεις Γεωφυσικής Διασκόπησης, έκδοση Αριστ. Παν. Θεσσαλονίκης, σελ. 38, 1985.
2. Κυρατζή, Α. και Κ. Παπαζάχος. Φροντιστηριακή άσκηση Φυσικής του Εσωτερικού της Γης, σελ. 15, 1991.
3. Παπαζάχος, Β., Α. Κυρατζή, Β. Καρακώστας, Δ. Παναγιωτόπουλος, Κ. Παπαζάχος και Μ. Σκορδίλης. Φροντιστηριακές Ασκήσεις Μηχανικών Ταλαντώσεων και Ελαστικών Κυμάτων, σελ. 107, 1993.
4. Παπαζάχος, Β., Α. Κυρατζή, Δ. Παναγιωτόπουλος και Κ. Παπαζάχος. Φροντιστηριακές Ασκήσεις Γεωφυσικής, σελ. 83, 1993.
5. Κυρατζή, Α. «Ενεργός τεκτονική στο Αιγαίο και τη γειτονική περιοχή», Διδακτικές Σημειώσεις στο πλαίσιο του μεταπτυχιακού μαθήματος «Γεωφυσική της Ελλάδας», σελ. 30, 1996.

### Κύρια επιβλέπουσα Διδακτορικών Διατριβών και Διατριβών Ειδίκευσης

1. Λούβαρη, Ε. (1997). «Ανάπτυξη λογισμικού για τον καθορισμό των τάσεων και εφαρμογή αυτού στην Αλβανία», *Διατριβή Ειδίκευσης*, Τμήμα Γεωλογίας, ΑΠΘ, σελ. 150.
2. Ρουμेलιώτη, Ζ. (1999). «Προσομοίωση της ισχυρής σεισμικής κίνησης μεγάλων σεισμών στη δυτική Ελλάδα», *Διατριβή ειδίκευσης*, Τμήμα Γεωλογίας, ΑΠΘ, σελ. 130.
3. Λούβαρη, Ε. (2000). «Λεπτομερής σεισμοτεκτονική μελέτη του Αιγαίου και της γειτονικής περιοχής με βάση τους μηχανισμούς γένεσης των μικρών σεισμών», *Διδακτορική Διατριβή*, Τμήμα Γεωλογίας, ΑΠΘ, σελ. 350.
4. Πολατίδης, Α. (2001). «Καθορισμός των παραμέτρων της εστίας και της απόσβεσης των εγκαρσίων κυμάτων στην περιοχή της κεντρικής Ελλάδας», *Διατριβή Ειδίκευσης*, Τμήμα Γεωλογίας, ΑΠΘ, σελ. 95.
5. Παναγιώτου, Μ. (2001). «Παράμετροι της εστίας, μηχανισμοί γένεσης και αντιστροφή του τανυστή των τάσεων των σεισμών στο βόρειο και κεντρικό Αιγαίο», *Διατριβή Ειδίκευσης*, Τμήμα Γεωλογίας, ΑΠΘ.
6. Μπενετάτος, Χ. (2002). «Ιδιότητες των σεισμικών πηγών των σεισμών του νοτίου Αιγαίου, με έμφαση στους σεισμούς ενδιάμεσου βάρους, και στοχαστική προσομοίωση της εδαφικής κίνησης», *Διατριβή Ειδίκευσης*, Τμήμα Γεωλογίας, ΑΠΘ, σελ 198.
7. Ρουμελιώτη, Ζ. (2003). «Συμβολή στην προσομοίωση της ισχυρής σεισμικής κίνησης, με έμφαση στο κοντινό πεδίο, στην ευρύτερη περιοχή του Αιγαίου», *Διδακτορική Διατριβή*, Τμήμα Γεωλογίας, ΑΠΘ, σελ. 210.
8. Καραγιάννη, Ι. (2004). «Ενδοπλακικοί σεισμοί: η περίπτωση του ισχυρού (Μ 7.7) σεισμού της Ινδίας της 26<sup>ης</sup> Ιανουαρίου 2001», *Διατριβή Ειδίκευσης*, Τμήμα Γεωλογίας, ΑΠΘ, σελ 130.
9. Μπενετάτος, Χ. (2007). «Λεπτομερής σεισμοτεκτονική μελέτη της ευρύτερης περιοχής του Αιγαίου με τη χρήση ψηφιακών σεισμολογικών δεδομένων», *Διδακτορική Διατριβή*, Τμήμα Γεωλογίας, ΑΠΘ, σελ. 317.
10. Καραμήτρου, Α. (2006-2008). «Προσομοίωση της σεισμικής εδαφικής κίνησης από σενάρια σεισμών με έμφαση τα μεγάλα αστικά κέντρα», *Διατριβή Ειδίκευσης*, [Ανάθεση: 20.11.2006], Τμήμα Γεωλογίας, ΑΠΘ, σελ. 150.
11. Δημάκης, Ε. (2012). Μηχανισμοί γένεσης και ιδιότητες των σεισμικών πηγών στην Ελλάδα με τη χρήση ψηφιακών σεισμολογικών δεδομένων ευρέως φάσματος, *Διατριβή Ειδίκευσης*, Τμήμα Γεωλογίας, ΑΠΘ, σελ. 150.

### Διεθνής Αναγνώριση του Επιστημονικού έργου – h - index

~ 1200 ανεξάρτητες αναφορές σε διεθνή περιοδικά. (Παρατίθενται στο αρχείο *Kiratzj\_Citations.doc* στο site <ftp://damon.geo.auth.gr/pub/users/sissy/>)  
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