

Full CV

EMMANUEL M. SCORDILIS

Date of birth: 21 December 1958

Education

Geology degree (1982), PhD in Seismology (1985)

Current position

Professor of Seismology,
Department of Geophysics, School of Geology, Faculty of Science, Aristotle University
of Thessaloniki.

Previous Positions

- Research assistant, AUTH - (1987-1989).
- Seismologist, AUTH - (1989–1998)
- Lecturer, AUTH - (1998–2003)
- Assistant Professor, AUTH – (2003–2009)
- Associate Professor, AUTH – (2009–2014)
- Professor, AUTH – (2014-...)

Field experience

- Installation and monitoring of portable, analog and digital, seismographic networks deployed to study seismotectonic properties and/or evolution of seismic sequences.
- Geophysical prospecting for geotechnical and archaeological exploration.
- Participation in the installation and operation of the Seismic Network of the Geophysical Laboratory of AUTH and the Hellenic Unified Seismic Network.

Research activity

- Seismotectonics
- Seismic sequences.
- Time dependent seismicity
- Earthquake prediction based on seismicity and probabilistic models.
- Magnitude scales – Compilation & homogenization of earthquake catalogs
- Intermediate term earthquake prediction

Teaching experience

- Various courses to undergraduate students of the School of Geology and of the School of Civil Engineering which include: *"Applied Geophysics I"*, *"Applied Seismology and Environment"*, *"Mechanical Oscillations and Elastic Waves"*, *"Introduction to Seismology"*, *"Engineering Seismology"* and *"Engineering Seismology and Soil Dynamics"*.
- Various courses to the post-graduate students of the School of Geology and of the School of Civil Engineering which include: *"Generation, Propagation and Recording of Seismic Waves"*, *"Advanced Applied Seismology"*, *"Engineering Seismology and Soil Dynamics"* and *"Computer Applications in Solving Problems in Geophysics"*.

- Supervision of 40 undergraduate theses (1 in progress), 12 MSc. theses (2 in progress) and 6 PhD theses.
- Tutor Greek rescue teams (under Civil Protection) in seismology issues

Research Projects

Participated in 73 projects of seismology and applied geophysics.

Conferences

Participated in 40 international and national conferences, in most of them with presentations. Invited speaker in four (4) of them. Member of the Organizing Committee in two (2) of them.

Cooperations

- Institute IRIGM, Joseph Fourier University, Grenoble, France
- School of Environmental Sciences, East Anglia University, Norwich, UK
- Seismological Institute, Academy of Sciences, Tirana, Albania
- Institute of Meteorology and Geophysics, University of Frankfurt, Germany
- Laboratory of Electronics, Department of Electrical and Computer Engineering, University of Thrace, Greece.

Membership

- Hellenic Association of Geologists
- Geological Society of Greece
- Geotechnical Chamber of Greece
- Hellenic Geophysical Union
- European Mediterranean Seismological Center, EMSC, (representative of Geophysical Laboratory of AUTH)

Publications

- Published more than 110 research papers in international journals and proceedings of international conferences.
- Co-author in one book and two special volumes.

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BOOK AUTHORIZING

Co-author in the book:

Papazachos, B.C., **Scordilis, E.M.**, Papaioannou, Ch.A. and K.S. Solomi. "The Earthquakes of Cyprus", Ziti publications, Thessaloniki, 110pp, ISBN: 978-960-456-380-7, 2013.

PUBLICATIONS

1. Dissertations

1.1. **Scordilis, E.M.** Microseismic study of the Servomacedonian zone and the surrounding area. "Ph.D. Thesis, Aristotle University of Thessaloniki", 250 pp., (in Greek), 1985.

2. Publications in International Journals and Proceedings of International Congresses (full texts – reviewed)

2.1. Papazachos, B.C., Comninakis, P.E., Papadimitriou, E.E. and **Scordilis, E.M.** Properties of the February - March 1981 seismic sequence in the Alkyonides gulf of Central Greece. "Annales Geophysicae", 2, 5, 537-544, 1984.

2.2. Κυρατζή, Α.Α., **Σκορδύλης, E.M.**, Θεοδοουλίδης, Ν.Π. και Παπαζάχος, Β.Κ. Ιδιότητες των σεισμικών εστιών και του μέσου διάδοσης των σεισμικών κυμάτων που καθορίζουν τις σεισμικές βλάβες στον Ελληνικό χώρο. "Πρακτικά συνεδρίου ΣΕΙΣΜΟΙ ΚΑΙ ΚΑΤΑΣΚΕΥΕΣ, Φεβρουάριος 1984, Αθήνα", 262-274, 1984.

2.3. Karakaisis, G.F., Karakostas, B.G., Papadimitriou, E.E., **Scordilis, E.M.** and Papazachos, B.C. Seismic sequences in Greece interpreted in terms of the barrier model. "Nature", Vol. 315, 6016, 212-214, 1985.

2.4. Rocca, A.Ch., Karakaisis, G.F., Karakostas, B.G., Kiratzi, A.A., **Scordilis, E.M.**, and Papazachos, B.C. Further evidence on the strike-slip faulting of the Northern Aegean trough based on the properties of the August - November 1983 seismic sequence. "Bolletino di Geofisica Teorica ed Applicata", XXVII, 106, 101-109, 1985.

2.5. **Scordilis, E.M.**, Karakaisis, G.F., Karakostas, B.G., Panagiotopoulos, D.G., Comninakis, P.E. and Papazachos, B.C. Evidence for transform faulting in the Ionian sea: The Cephalonia Island earthquake sequence of 1983. "Pure and Applied Geophysics", Vol. 123, 388-397, 1985.

2.6. Hatzfeld, D., Christodoulou, A.A., **Scordilis, E.M.**, Panagiotopoulos, D.G. and Hatzidimitriou, P.M. A microearthquake study of the Mygdonian graben (Northern Greece). "Earth and Planetary Science Letters", 81, 379-396, 1987.

2.7. Παπαζάχος, Β.Κ., Παναγιωτόπουλος, Δ.Γ., Ρόκκα, Α.Χ. **Σκορδύλης, E.M.** και Χατζηδημητρίου, Π.Μ. Στατικές και δυναμικές ιδιότητες της λιθόσφαιρας στην ευρύτερη περιοχή του Αιγαίου και της ανατολικής Μεσογείου. "Δελτίο της Ελληνικής Γεωλογικής Εταιρείας", Vol. XIX, 9-44, 1987.

2.8. Panagiotopoulos, D.G., **Scordilis, E.M.**, Hatzidimitriou, P.M., Rocca, A.C. and Papazachos, B.C. Further evidence on the deep tectonics of the Aegean and Eastern Mediterranean area. "Proc. of the XIX General Assembly of

- the European Seismological Commission, Moscow, October 1-6, 1984", NAUKA, 494-499, 1988.*
- 2.9. Papazachos, B.C., Kiratzi, A.A., Karakostas, B.G., Panagiotopoulos, D.G., **Scordilis, E.M.** and Mountrakis, D.M. 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"*, Vol. 126, No. 1, 55-68, 1988.
 - 2.10. Tsapanos, T.M., Karakaisis, G.F., Hatzidimitriou, P.M. and **Scordilis, E.M.** On the probability of the time of occurrence of the largest aftershock and of the largest foreshock in a seismic sequence. *"Tectonophysics"*, 149, 177-180, 1988.
 - 2.11. Hatzfeld, D., Pedotti, G., Hatzidimitriou, P., Panagiotopoulos, D., **Scordilis, E.**, Drakopoulos, J., Makropoulos, K., Delibasis, N., Latousakis, J., Baskoutas, J. and Frogneux, M. The Hellenic subduction beneath the Peloponnesus: first results of a microearthquake study. *"Earth and Planetary Science Letters"*, 93, 283-291, 1989.
 - 2.12. **Scordilis, E.M.**, Karakaisis, G.F., Papadimitriou, E.E. and Margaritis, B.N. A microseismicity study of the Servomacedonian zone and the surrounding area. *"Geologica Rhodopica"*, 1, 79-83, 1989.
 - 2.13. **Scordilis, E.M.**, Theodoulidis, N.P., Hatzidimitriou, P.M., Panagiotopoulos, D.G. and Hatzfeld, D. Microearthquake study and near-field seismic wave attenuation in the Mygdonian graben (Northern Greece). *"Geologica Rhodopica"*, 1, 84-92, 1989.
 - 2.14. Tsapanos, T.M., **Scordilis, E.M.** and Papazachos, B.C. Global seismicity during the time period 1966 - 1985. *"Proc. of the XXII General Assembly of the European Seismological Commission, Barcelona, September 17-22, 1990"*, 709-714, 1990.
 - 2.15. Papazachos, B.C., Tsapanos, T.M., **Scordilis, E.M.**, Bagiatis, C.B. and Koukouvinos, Ch.C. Evidence for a stochastic model of global seismicity. *"Bulletin of Geological Society of Greece"*, Vol. XXV/3, 205-216, 1991.
 - 2.16. **Scordilis, E.M.** Seismic activity in the Kassandra gulf (Northern Greece). *"Bulletin of Geological Society of Greece"*, Vol. XXV/3, 295-311, 1991.
 - 2.17. Hatzidimitriou, P.M., Hatzfeld D., **Scordilis, E.M.** Papadimitriou, E.E. and Christodoulou, A.A. Seismotectonic evidence of an active normal fault beneath Thessaloniki (Greece). *"Terra Nova"*, 3, 648-654, 1992.
 - 2.18. Papaioannou, Ch.A., Papazachos, B.C., **Scordilis, E.M.** Application of time dependent and non-time dependent seismicity models in seismic hazard assessment in Greece. *"Tire a part des Cahiers du Centre Europeen de Geodynamique et de Seismologie"*, 6, 53-69, 1992.
 - 2.19. Papaioannou, Ch.A., Tsapanos, T.M., **Scordilis, E.M.** and Papazachos, B.C. Probabilities of occurrence of large earthquakes in very active zones of the earth. *"Bulletin of the Geological Society of Greece"*, Vol. XXVIII/3, 171-179, 1993.
 - 2.20. Panagiotopoulos, D.G., Papadimitriou, E.E., Papaioannou, Ch.A., **Scordilis, E.M.** and Papazachos B.C. Source properties of the 21 December, 1990 Goumenissa earthquake in Northern Greece. *"Proc. of the 2nd congress of the Hellenic Geophysical Union, Florina, Greece, May 5-7, 1993"*, 286-296, 1993.
 - 2.21. Karakostas, B.G., **Scordilis, E.M.**, Papaioannou, Ch.A., Papazachos, B.C. and Mountrakis, D. Focal properties of the October 16, 1988 Killini earthquake (Western Greece). *"Proc. of the 2nd congress of the Hellenic Geophysical Union, Florina, Greece, May 5-7, 1993"*, 136-145, 1993.
 - 2.22. Karakaisis, G.F., Karakostas, B.G., **Scordilis, E.M.**, Kiratzi, A.A., Diagourtas, D., Papadimitriou, P., Voulgaris, N. and Ziazia, M. The spatial distribution of the aftershocks and the focal mechanism of the Galaxidi (central

- Greece) earthquake of November 18,1992. "Proc. of the 2nd congress of the Hellenic Geophysical Union, Florina, Greece, May 5-7, 1993", 309-317, 1993.
- 2.23. Kassaras, J., Makropoulos, K., Papadimitriou, P., Drakopoulos, J., Amorese, D., Hatzfeld, D., Coutant, O., Panagiotopoulos, D., Karakaisis, G. and **Scordilis, E.** Seismotectonic analysis in Kefallinia-Lefkas (Greece). "Proc. of the 2nd congress of the Hellenic Geophysical Union, Florina, Greece, May 4-7, 1993", 427-438, 1993.
- 2.24. Kementzetzidou, D., Bernard, P., Bouin, M., Dervin, P., Diagourtas D., Hatzfeld, D., Karakaisis, G., Karakostas, B., Nothard, S., Papadimitriou, P., **Scordilis, E.**, Smith, R., Voulgaris, N. and Ziazia, M. The 1992, November 18 Galaxidi earthquake, an aftershock study. "Proc. of the 2nd congress of the Hellenic Geophysical Union, Florina, Greece, May 4-7, 1993", 349-357, 1993.
- 2.25. **Scordilis, E.M.**, Kiratzi, A.A. and Panagiotopoulos, D.G. A study of the earthquake of November 6, 1992 in Izmir (Turkey). "Bulletin of the Geological Society of Greece", XXX/5, 243-249, 1994.
- 2.26. Lachet, C., Bard, P.Y., Hatzfeld, D., Papaioannou, Ch., **Scordilis, E.**, Hatzidimitriou, P., Theodulidis, N. and Margaris, V. An experimental study of the microzonation in the city of Thessaloniki. "Proc. of the 5th International Conference on seismic zonation, Nice, October 1995", vol.II, 1619-1626, 1995.
- 2.27. Παπαζάχος, Β.Κ., Παναγιωτόπουλος, Δ.Γ., **Σκορδύλης, Ε.Μ.**, Καρακαίσης, Γ.Φ., Παπαιωάννου, Χ.Α., Καρακώστας, Β.Γ., Παπαδημητρίου, Ε.Ε., Κυρατζή, Α.Α., Χατζηδημητρίου, Π.Μ., Λεβεντάκης, Γ.Ν., Βοιδομάτης, Φ.Σ., Πεφτιπέλης, Κ.Ι. και Τσάπανος, Θ.Μ. Η φυσική διαδικασία γένεσης του κύριου σεισμού της Κοζάνης-Γρεβενών της 13ης Μαΐου 1995 ($M_S=6,6$) και της σεισμικής ακολουθίας του. "Γεωτεχνική ενημέρωση", 73, 54-64, 1995.
- 2.28. Papazachos, B.C., Panagiotopoulos, D.G., **Scordilis, E.M.**, Karakaisis, G.F., Papaioannou, Ch.A., Karakostas, B.G., Papadimitriou, E.E., Kiratzi, A.A., Hatzidimitriou, P.M., Leventakis, G.N., Voidomatis, Ph.S., Peftitselis, K.I. and Tsapanos, T.M. Focal properties of the 13 May 1995 large ($M_S=6.6$) earthquake in the Kozani area (North Greece). "Proc. of the XV congress of the Carpatho-Balkan Geol Assoc., September 17-20, 1995, Athens",96-106, 1996.
- 2.29. Hatzfeld, D., Kementzetzidou, D., Karakostas, V., Ziazia, M., Nothard, S., Diagourtas, D., Deschamps, A., Karakaisis, G., Papadimitriou, P., **Scordilis, E.**, Smith, R., Voulgaris, N., Kiratzi, A., Makropoulos, K., Bouin, M.P. and Bernard, B. The Galaxidi earthquake of November 18, 1992: a possible asperity within the normal fault system of the gulf of Corinth (Greece). "Bulletin of Seismological Society of America", 86,1987-1991, 1996.
- 2.30. Bernard, B., Pinettes, P., Hatzidimitriou, P.M., **Scordilis, E.M.**, Veis, G. and Milas, P. From precursors to prediction: a few recent cases from Greece. "RAS Geophys. J. Int.", 131, 467-477, 1997.
- 2.31. Papazachos, C.B. and **Scordilis, E.M.** Crustal structure of the Rhodope and surrounding area obtained by non-linear inversion of P and S travel times and its tectonic implications. "Acta Vulcanologica",10(2),339-345, 1998. Επίσης παρουσιάστηκε στο Fall Meeting of the American Geophysical Union (AGU), San Francisco, USA, 15-23 December 1996.
- 2.32. Papazachos, C.B., Karakostas, V.G. and **Scordilis, E.M.** Crustal and upper mantle structure of the Kozani-Grevena and surrounding area obtained by non-linear inversion of P and S travel times. "Journal of Geodynamics", 26, 2-4, 353-365, 1998.

- 2.33. **Σκορδύλης, E. M.**, Καρακώστας, Β. Γ. και Δημητρίου, Π. Π. Σεισμικότητα της Ελλάδας. Βασικά αποτελέσματα της σεισμολογικής έρευνας στην Ελλάδα. "Τμητικός τόμος αφιερωμένος στον καθηγητή Β.Κ. Παπαζάχο, Εργαστήριο Γεωφυσικής Α.Π.Θ και Ι.Τ.Σ.Α.Κ, Θεσσαλονίκη, εκδόσεις ΖΗΤΗ ", 17-48, 1998.
- 2.34. Karakaisis, G.F., Hatzidimitriou, P.M., **Scordilis, E.M.**, and Panagiotopoulos, D.G. Seismicity of western Macedonia, Greece. "Journal of Geodynamics", 26, 2-4, 297-307, 1999.
- 2.35. Dimitriu, P.P., **Scordilis, E.M.** and Karakostas, B.G. Multi-fractal analysis of the Arnea, Greece, seismicity with potential implication for earthquake prediction. "Natural Hazards", 21, 277-295, 2000.
- 2.36. Papazachos, B.C., Karakostas, V.G., Papazachos C.B. and **E.M. Scordilis**. The geometry of the Wadati-Benioff zone and lithospheric kinematics in the Hellenic Arc. "Tectonophysics", 319, 275-300, 2000.
- 2.37. Papazachos, B.C., Karakaisis, G.F., Papazachos, C.B. and **E.M. Scordilis**. Triggering of strong earthquakes in the North and East Aegean plate boundaries by westward motion of the Anatolia plate. "Annales Geologiques des Pays Helleniques", XXXVIII, B, 105-117, 2000.
- 2.38. Papazachos, B.C., Karakaisis, G.F., Papazachos, C.B. and **E.M. Scordilis**. Earthquake triggering in the North and East Aegean plate boundaries due to the Anatolia westward motion. "Geophysical Research Letters", 27, 23, 3957-3960, 2000. Επίσης, πρόδρομη ανακοίνωση δημοσιεύθηκε στα Ann. Geol. Pays Hell. (A la memoire du Prof. J. Drakopoulos), 38, 105-117, 2000.
- 2.39. Papazachos, B., Karakaisis, G., Hatzidimitriou, P., Karakostas, B., Kiratzi, A., Leventakis, G., Margaris, B., Panagiotopoulos, D., Papadimitriou, E., Papaioannou, Ch., Papazachos, C., Savvaidis, A., **Scordilis, E.**, Theodulidis, N., Tsapanos, T. and Dimitriu, P. A procedure to assess the evolution of a seismic sequence. "Annales Geologiques des Pays Helleniques", XXXVIII, B, 119-128, 2000.
- 2.40. Papazachos, B.C., Karakaisis, G.F., Papazachos, C.B., Savvaidis, A.S. and **E.M. Scordilis**. Properties of the preshock crustal deformation in regions of Aegean area. "Proc. Of XXVII ESC general assembly, Lisbon, September 2000", 295-300, 2000.
- 2.41. Papazachos, B.C., Karakaisis, G.F., Papazachos, C.B., **Scordilis, E.M.** and A.S. Savvaidis. A method for estimating the origin time of an ensuing mainshock by observations of preshock crustal seismic deformation. "Bulletin of Geological Society of Greece", XXXIV/4, 1573-1579, 2001.
- 2.42. Παπαζάχος, Β.Κ., Καρακώστας, Β.Κ., Κυρατζή, Α.Α., Μάργαρης, Β.Ν., Παπαζάχος, Κ.Β. και **E.M. Σκορδύλης**. Η καταλληλότητα των κλιμάκων μεγέθους που χρησιμοποιούνται στον καθορισμό σχέσεων υπολογισμού των παραμέτρων της ισχυρής σεισμικής κίνησης στην Ελλάδα. "2ο Πανελλήνιο Συνέδριο Αντισεισμικής Μηχανικής και Τεχνικής Σεισμολογίας, ΤΕΕ, 28-30 Σεπτεμβρίου 2001, Θεσσαλονίκη", 1, 55-64, 2001.
- 2.43. Papazachos, B.C., Karakostas, B.G., Kiratzi, A.A., Margaris, B.N., Papazachos, C.B., and **Scordilis, E.M.** Uncertainties in the estimation of earthquake magnitudes in Greece. "Journal of Seismology", 6, 557-570, 2002.
- 2.44. Karakaisis, G.F., Papazachos, C.B., **Scordilis, E.M.**, Papaioannou, Ch.A. and B.C. Papazachos. Time variation of seismicity and seismic hazard in the Hellenic arc-trench system. "Proc. of the XXVIII General Assembly of the European Seismological Commission, Genoa, Italy, September 1-6, 2002", 8pp, 2002.
- 2.45. Papazachos, B.C., Savvaidis, A.S., Karakaisis, G.F., Papazachos, C.B., Papadimitriou, E.E., **Scordilis, E.M.** and B.G. Karakostas. Premonitory clustering of shocks in critical regions. "Proc. of the XXVIII General

- Assembly of the European Seismological Commission, Genoa, Italy, September 1-6, 2002", 9pp, 2002.*
- 2.46. Papazachos, C.B., Karakaisis, G.F. and **E.M. Scordilis**. Results of a retrospective prediction of past strong mainshocks in the broader Aegean area by application of the accelerating seismic deformation method. *"Proc. of the XXVIII General Assembly of the European Seismological Commission, Genoa, Italy, September 1-6, 2002", 14pp, 2002.*
 - 2.47. **Scordilis, E.M.**, Papazachos, C.B., Karakaisis, G.F., and B.G. Karakostas. Accelerating seismic crustal deformation before strong mainshocks in Adriatic and its importance for earthquake prediction. *"Proc. of the XXVIII General Assembly of the European Seismological Commission, Genoa, Italy, September 1-6, 2002", 14pp, 2002, (Πρόδρομη ανακοίνωση της 5.2.50).*
 - 2.48. Karakostas, V.G., Papadimitriou, E.E., Karakaisis, G.F., Papazachos, C.B., **Scordilis, E.M.**, Vargemezis, G. and Aidona, E. The 2001 Skyros, Northern Aegean, Greece, earthquake sequence: off – fault aftershocks, tectonic implications, and seismicity triggering, *Geophys. Res. Lett.*, 30, 1012-1015, 2003.
 - 2.49. Skarlatoudis, A.A., Papazachos, C.B., Margaris, B.N., Theodulidis, N., Papaioannou, Ch., Kalogeras, I., **Scordilis, E.M.** and V. Karakostas. Empirical peak ground motion predictive relations for shallow earthquakes in Greece, *"Bulletin of Seismological Society of America"*, 93, 2591-2603, 2003. *(Επίσης, συνοδεύεται από ένα Erratum, Bull. Seismol. Soc. Am., 97, 2219-2221, 2007).*
 - 2.50. **Scordilis, E.M.**, Papazachos, C.B., Karakaisis, G.F., and B.G. Karakostas. Accelerating seismic crustal deformation before strong mainshocks in Adriatic and its importance for earthquake prediction. *"Journal of Seismology"*, 8, 57-70, 2004.
 - 2.51. Papazachos, C.B., Karakaisis, G.F., **Scordilis, E.M.** and B.C. Papazachos. Probabilities of activation of seismic faults in critical regions of the Aegean area, *"Geophysical Journal International"*, 159, 679-687, 2004.
 - 2.52. Karakaisis, G.F., Papazachos, C.B., **Scordilis, E.M.** and B.C. Papazachos. Current accelerating seismic excitation along the northern boundary of the Aegean microplate, *"Tectonophysics"*, 383, 81-89, 2004.
 - 2.53. Benetatos, C., Kiratzi, A., Kementzetzidou, D., Roumelioti, Z., Karakaisis, G., **E. Scordilis**, I. Latoussakis and G. Drakatos. The Psachna (Evia island) earthquake swarm of June 2003, *"Bulletin of the Geological Society of Greece"*, XXXVI, 3, 1379-1388, 2004.
 - 2.54. Galanis, O.C., Papazachos, C.B., Hatzidimitriou, P.M. and **Scordilis, E.M.**, Application of 3-D velocity models and ray tracing in double difference earthquake location algorithms: Application to the Mygdonia basin (Northern Greece), *"Bulletin of the Geological Society of Greece"*, XXXVI, 3, 1396-1405, 2004.
 - 2.55. Papazachos, B.C., **Scordilis, E.M.**, Panagiotopoulos, D.G., Papazachos, C.B. and Karakaisis, G.F., Global relations between seismic fault parameters and moment magnitude of earthquakes, *"Bulletin of the Geological Society of Greece"*, XXXVI, 3, 1482-1489, 2004.
 - 2.56. Papazachos, C.B., **Scordilis, E.M.**, Karakaisis, G.F. and Papazachos, B.C., Decelerating preshock seismic deformation in fault regions during critical periods, *"Bulletin of the Geological Society of Greece"*, XXXVI, 3, 1490-1498, 2004.
 - 2.57. Vamvakaris D.A., Papazachos C.B., Karagianni E.E, **Scordilis E.M.** and Hatzidimitriou, P.M., Determination of fault plane solutions using waveform

- amplitudes and radiation pattern, *"Bulletin of the Geological Society of Greece"*, XXXVI, 3, 1529-1538, 2004.
- 2.58. Papazachos, C.B., Karakaisis, G.F., **Scordilis, E.M.** and B.C. Papazachos. Global observational properties of the critical earthquake model, *"Bulletin of Seismological Society of America"*, 95, 5, 1841-1855, 2005. Επίσης, παρουσιάστηκε στο XXIX ESC General Assembly , Potsdam, Germany, September 12-17, 2004 και στο EGU General Assembly, Vienna, Austria, 24-29 April, 2005.
 - 2.59. **Scordilis, E.M.** Empirical global relations converting M_s and m_b to moment magnitude, *"Journal of Seismology"*, 10, 225-236, 2006.
 - 2.60. Vamvakaris, D.A., Papazachos, C.B., Karagianni, E.E., **Scordilis, E.M.** and Hatzidimitriou, P.M. Small-scale spatial variation of the stress field in the back-arc Aegean area: Results from the seismotectonic study of the broader area of Mygdonia basin (N. Greece), *"Tectonophysics"*, 417, 249-267, 2006. Επίσης, παρουσιάστηκε στο EGU General Assembly, Vienna, Austria, 24-29 April, 2005.
 - 2.61. Papazachos, C.B., G.F. Karakaisis, **E.M. Scordilis**, and B.C. Papazachos. New observational information on the precursory accelerating and decelerating strain energy release, *"Tectonophysics"*, 423, 83-96, 2006.
 - 2.62. Papazachos, B.C., Karakaisis, G.F., Papazachos, C.B. and **E.M. Scordilis**. Perspectives for earthquake prediction in the Mediterranean and contribution of geological observations, *"Robertson, A.H.F. & Mountrakis, D. (eds): Tectonic development of the Eastern Mediterranean Region, Geological Society, London, Special Publications"*, 260, 689-707, 2006.
 - 2.63. **Scordilis, E.M.** Decelerating precursory seismicity in Vrancea, *"Tectonophysics"*, 420, 509-517, 2006.
 - 2.64. Galanis, O., Papazachos, C., **Scordilis, E.** and Hatzidimitriou, P. Improved earthquake locations in Greece using the DD algorithm and a 3D velocity model, *"Proc. of the Joint 30th ESC General Assembly and 13th European Conf. Earthquake Engineering, Geneva"*, paper number: 810, pp. 9, 2006.
 - 2.65. Papazachos, B.C., **Scordilis, E.M.**, Papazachos, C.B. and G.F. Karakaisis. A forward test of the precursory decelerating and accelerating seismicity model for California, *"Journal of Seismology"*, 10, 213-224, 2006.
 - 2.66. Georgoudas, I.G., Sirakoulis, G.Ch., **Scordilis, E.M.** and Andreadis, I. A Cellular Automaton simulation tool for modelling seismicity in the region of Xanthi, *"Environmental Modelling and software"*, 22, 1455-1464, 2007.
 - 2.67. Papazachos, B.C., Karakaisis, G.F., Papazachos, C.B. and **E.M. Scordilis**. Evaluation of the results for an intermediate-term prediction of the 8 January 2006 M_w 6.9 Cythera earthquake in the southwestern Aegean, *"Bulletin of the Seismological Society of America"*, 97, 1B, 347-352, 2007.
 - 2.68. Karakaisis, G.F., Papazachos, C.B., Panagiotopoulos, D.G., **Scordilis E.M.**, and B.C. Papazachos. Space distribution of preshocks, *"Bolletino di Geofisica Teorica ed Applicata"*, 48, 4, 371-383, 2007.
 - 2.69. Papazachos, B.C., **Scordilis, E.M.**, Panagiotopoulos, D.G., Papazachos, C.B. and G.F. Karakaisis. Currently active regions of decelerating - accelerating seismicity in Central Asia, *"Journal Geophysical Research"*, B10309, doi:10.1029/2006JB004587, 2007.
 - 2.70. Papazachos, B.C., Papaioannou, Ch.A., **Scordilis, E.M.**, Papazachos, C.B. and G.F. Karakaisis. A forward test of the Decelerating-Accelerating Seismic Strain model to western south and central America, *"Tectonophysics"*, 454/1-4, 36-43, doi:10.1016/j.tecto.2008.03.012, 2008.
 - 2.71. **Σκορδύλης, E.M.** Έλεγχος του μοντέλου της "Επιβραδυνόμενης-Επιταχυνόμενης Σεισμικής Παραμόρφωσης" με ενόργανα σεισμολογικά δεδομένα της ευρύτερης περιοχής του Αιγαίου, *"3^ο Πανελλήνιο Συνέδριο*

- Αντισεισμικής Μηχανικής και Τεχνικής Σεισμολογίας*”, 5-7 Νοεμβρίου 2008, Αθήνα, 15σελ, (CD πρακτικών), 2008.
- 2.72. Παπαζάχος, Β.Κ., Καρακαϊσής, Γ.Φ., Παπαζάχος, Κ.Β. και **Σκορδύλης, Ε.Μ.** Δοκιμασία του μοντέλου της Επιβραδυνόμενης-Επιταχυνόμενης Σεισμικής Παραμόρφωσης με εφαρμογή του στη μεσοπρόθεσμη πρόγνωση ισχυρών μελλοντικών σεισμών, “3^ο Πανελλήνιο Συνέδριο Αντισεισμικής Μηχανικής και Τεχνικής Σεισμολογίας”, 5-7 Νοεμβρίου 2008, Αθήνα, 21σελ., (CD πρακτικών), 2008.
- 2.73. Βαμβακάρης, Δ., Παπαζάχος, Κ., Παπαϊωάννου, Χ., **Σκορδύλης, Ε.** και Καρακαϊσής, Γ. Μελέτη της χρονικά ανεξάρτητης και εξαρτημένης σεισμικής επικινδυνότητας με τη χρήση συνθετικών καταλόγων, “3^ο Πανελλήνιο Συνέδριο Αντισεισμικής Μηχανικής και Τεχνικής Σεισμολογίας”, 5-7 Νοεμβρίου 2008, Αθήνα, Άρθρο 1878, 22σελ., (CD πρακτικών), 2008.
- 2.74. Georgoudas, I.G., Sirakoulis, G.Ch., **Scordilis, E.M.** and I.Th. Andreadis. On chip earthquake simulation model using potentials, “*Natural Hazards*”, 50, 519-537, DOI 10.1007/s11069-008-9255-1, 2009.
- 2.75. Papazachos, B.C., Karakaisis, G.F., Papazachos, C.B., Panagiotopoulos, D.G. and **E.M. Scordilis**. A forward test of Decelerating-Accelerating Seismic Strain model in the Mediterranean, “*Bolletino di Geofisica Teorica ed Applicata*”, 50,3, 235-254, 2009.
- 2.76. Papazachos, B.C., Karakaisis, G.F., **Scordilis, E.M.**, Papazachos, C.B. and D.G. Panagiotopoulos. Present patterns of decelerating-accelerating seismic strain in South Japan, “*Journal of Seismology*”, 14(2), 273-288, DOI 10.1007/s10950-009-9165-z, 2010.
- 2.77. Papazachos, B.C., Karakaisis, G.F., Papazachos, C.B. and **E.M. Scordilis**. Intermediate term earthquake prediction based on interevent times of mainshocks and on seismic triggering, “*Bulletin of the Geological Society of Greece*”, XLIII, 1, 46-68, 2010.
- 2.78. Karakaisis, G.F., Papazachos, C.B. and **E.M. Scordilis**. Seismic sources and main seismic faults in the Aegean and surrounding area, “*Bulletin of the Geological Society of Greece*”, XLIII, 1, 2026-2042, 2010.
- 2.79. **Scordilis, E.M.** Correlations of the mean time and mean magnitude of accelerating preshocks with the origin time and magnitude of the mainshock, “*Bulletin of the Geological Society of Greece*”, XLIII, 1, 2154-2162, 2010.
- 2.80. Παπαζάχος, Β.Κ., **Σκορδύλης, Ε.Μ.**, Παπαζάχος, Κ.Β. και Γ.Φ. Καρακαϊσής. Έλεγχος της Δυνατότητας Μεσοπρόθεσμης Πρόγνωσης Γιγάντιων (Μ~9.0) Σεισμών στις Ζώνες Λιθοσφαιρικής Κατάδυσης της Ιάβας και της Νότιας Αμερικής, με το Μοντέλο της Πρόδρομης Επιβραδυνόμενης-Επιταχυνόμενης Σεισμικής Παραμόρφωσης. “*Επιτίμια: Τιμητικός Τόμος στον Ομότιμο Καθηγητή Α.Π.Θ. Β. Παπαγεωργίου*”, Θεσσαλονίκη, 309-318, 2011.
- 2.81. Georgoudas, I.G., Sirakoulis, G.Ch., **Scordilis E.M.** and I. Andreadis. Parametric optimisation in a 2-D cellular automata model of fundamental seismic attributes with the use of genetic algorithms, “*Advances in Engineering Software*”, 42, 623-633, DOI 10.1016/j.advengsoft.2011.04.003, 2011.
- 2.82. Papazachos, B.C., Karakaisis, G.F., Papazachos, C.B. and **E.M. Scordilis**. Tests of two time-dependent seismicity models based on interevent times of mainshocks and on seismic triggering in the Aegean area, “*Boll. di Geofis. Teor. ed Appl.*”, 52, 1, 39-57, 2011.
- 2.83. Salaün, G., H. Pedersen, A. Paul, V. Farra, H. Karabulut, D. Hatzfeld, C. Papazachos, D. Childs, C. Paquegnat, T. Afacan, M. Aktar, E. Bouroua-Flin, D. Cambaz, P. Hatzidimitriou, F. Hubans, D. Kementzetzidou, E. Karagianni, I. Karagianni, A. Komec Mutlu, L. Dimitrova, Y. Ozakin, R.

- Roussel, **E. Scordilis** and D. Vamvakaris. High resolution surface wave tomography beneath the Aegean-Anatolia region: constraints on upper-mantle structure, "*Geophys. J. Int.*", doi:10.1111/j.1365-246X.2012.05483.x, 190, 406-420, 2012.
- 2.84. Pavlou, L., I.G. Georgoudas, G.Ch. Sirakoulis, **E.M. Scordilis** and I. Andreadis. An event-driven model simulating fundamental seismic characteristics with the use of cellular automata, "*Journal of Physics and Chemistry of the Earth*", 49, 64–78, 2012.
- 2.85. Kechaidou, M.G., G.Ch. Sirakoulis and **E.M. Scordilis**. Modelling real earthquake activity with reverse engineering based on evolutionary computation methods, "*Georisk*", 7, 4, 275-288, 2013.
- 2.86. **Scordilis, E.M.**, D.A. Kementzetzidou and B.C. Papazachos. Local magnitude estimation in Greece based on recordings of the Hellenic Unified Seismic Network (HUSN), "*Bull. Geol. Soc. Greece*", XLVII, No 3, 1241-1250, 2013.
- 2.87. Teza, E., **E.M. Scordilis**, C.B. Papazachos and G.F. Karakaisis. Near-Real-Time evaluation of the evolution of a seismic excitation: Application to the 2013/01/08 Lemnos seismic sequence, "*Bull. Geol. Soc. Greece*", XLVII, No 3, 1298-1307, 2013.
- 2.88. Tsampas, A.D., **E.M. Scordilis**, C.B. Papazachos and G.F. Karakaisis. Globally valid relations converting magnitudes of intermediate and deep-focus earthquakes to M_w , "*Bull. Geol. Soc. Greece*", XLVII, No 3, 1316-1325, 2013.
- 2.89. Kkallas, Ch., C.B. Papazachos, **E.M. Scordilis** and B.N. Margaritis. Re-examining the stress field of the broader southern Aegean subduction area using an updated focal mechanism database, "*Bull. Geol. Soc. Greece*", XLVII, No 2, 563-573, 2013.
- 2.90. Karakaisis, G.F., C.B. Papazachos and **E.M. Scordilis**. Recent reliable observations and improved tests on synthetic catalogs with spatiotemporal clustering verify precursory decelerating-accelerating seismicity, "*Journal of Seismology*", DOI 10.1007/s10950-013-9372-5, 2013.
- 2.91. Papazachos, B.C., G.F. Karakaisis and **E.M. Scordilis**. Time dependent seismicity in the continental fracture system, "*Boll. di Geofis. Teor. ed Appl.*", 55, 3, 617-639, 2014.
- 2.92. Vamvakaris, D.A., C.B. Papazachos, **E.M. Scordilis** and G.F. Karakaisis. An updated seismic zonation model for shallow earthquakes in the broader Aegean area, "*Nat. Hazards Earth Syst. Sci. Discuss.*", 1, 6719–6784, 2013/2013, 2013.
- 2.93. Karagianni, I., C.B. Papazachos, **E.M. Scordilis** and G.F. Karakaisis. Reviewing the active stress field in Central Asia using a modified stress-tensor approach, "*Journal of Seismology*", DOI 10.1007/s10950-015-9481-4, 19, 2, 541-565, 2015.
- 2.94. Contadakis, M.E., D.N. Arabelos, G. Vergos, S.D. Spatalas and **M. Skordilis**. TEC variations over the Mediterranean before and during the strong earthquake ($M = 6.5$) of 12th October 2013 in Crete, Greece, "*Journal of Physics and Chemistry of the Earth*", eds. Biagi P.-F. and Tramutoli F., 85-86, 9-16, <https://doi.org/10.1016/j.pce.2015.03.010>, 2015.
- 2.95. Maggipinto, T., P.F. Biagi, R. Colella, L. Schiavulli, T. Ligonzo, A. Ermini, G. Martinelli, I. Moldovan, H. Silva, M. Contadakis, C. Skeberis, Z. Zaharis, **E. Scordilis**, K. Katzis, A. Buyuksarac and S. D'Amico. The LF radio anomaly observed before the $M_w=6.5$ earthquake in Crete on October 12, 2013, "*Physics and Chemistry of the Earth*", eds. Biagi P.-F. and Tramutoli F., 85-86, 98–105, <https://doi.org/10.1016/j.pce.2015.10.010>, 2015.
- 2.96. **Scordilis, E.M.**, D. Kementzetzidou and B.C. Papazachos. Local magnitude calibration of the Hellenic Unified Seismic Network, "*Journal of Seismology*", DOI 10.1007/s10950-015-9529-5, 2015.

- 2.97. Vamvakaris, D.A., C.B. Papazachos, **E.M. Scordilis** and G.F. Karakaisis. A detailed seismic zonation model for shallow earthquakes in the broader Aegean area, "*Nat. Hazards Earth Syst. Sci.*", 16, 55–84, doi:10.5194/nhess-16-55-2016, 2016.
- 2.98. Contadakis, M.E., Arabelos D.N., Vergos, G., **Scordilis, E.M.** and Spatalas, S.D. Variation of the earth tide-seismicity compliance parameter the last 50 years for the south Himalaia fault, Nepal, "*Bull. Geol. Soc. Greece*", XLVIII, vol. L, 1475-1484, 2016.
- 2.99. Teza, E., **Scordilis E.M.**, Papazachos,C.B. and Karakaisis, G.F. An earthquake catalog of Mid-Atlantic ridge, "*Bull. Geol. Soc. Greece*", XLVIII, vol 3, 1258-1269, 2016.
- 2.100. Tsampas, A.D., **Scordilis, E.M.**, Papazachos, C.B. and Karakaisis, G.F. A homogeneous global earthquake catalog of intermediate-deep seismicity, "*Bull. Geol. Soc. Greece*", XLVIII, vol 3, 1270-1280, 2016.
- 2.101. Vamvakaris D.A., Papazachos C.B., Papaioannou Ch.A., **Scordilis E.M.** and Karakaisis G.F. Seismic hazard assessment in the broader Aegean area using time-independent seismicity models based on synthetic earthquake catalogs, "*Bull. Geol. Soc. Greece*", XLVIII, 2016.>>>>>
- 2.102. Papazachos, B.C., G.F. Karakaisis, **E.M. Scordilis** and Ch.A. Papaioannou. "*Bull. Geol. Soc. Greece*", XLVIII, 1222-1231, 2016.
- 2.103. Tsampas, A.D., **E.M. Scordilis**, C.B. Papazachos and G.F. Karakaisis. Global magnitude scaling relations for intermediate-depth and deep-focus earthquakes, "*Bull. Seism. Soc. Am.*", doi: 10.1785/0120150201, 106, 2, 418–434, 2016.
- 2.104. Christou, E.V., G. Karakaisis and **E. Scordilis**, Time dependent seismicity along the western coast of Canada "*Research in Geophysics*", 5:5730, doi:10.4081/rg.2016.5730, 2016.
- 2.105. Papazachos, C.B., D.A. Vamvakaris, G.F. Karakaisis, Ch.A. Papaioannou, **E.M. Scordilis** and B.C. Papazachos. Complexity and Time-Dependent Seismic Hazard Assessment: Should We Use Fuzzy, Approximate and Prone-to-Errors Prediction Models to Overcome the Limitations of Time-Independent Models?, in: "*Complexity of Seismic Time Series, Measurement and Application*", T. Chelidze, F. Vallianatos and L. Telesca editors, Elsevier, 323–364, 2018.
- 2.106. Çivgin, B. and **E.M. Scordilis**. Examining the Consistency of Focal Parameters Published by National Earthquake Agencies of Turkey. "*Proceedings of the 18th International Multidisciplinary Scientific Geoconference, SGEM 2018, Geology: Applied and Environmental Geophysics*", 2-8 July 2018, Albena, Bulgaria, <https://doi.org/10.5593/sgem2018/1.1>, v18, Issue 1.1, 779-786, 2018.
- 2.107. Karakaisis G., **E. Scordilis**, C. Papazachos, B. Civgin and E. Teza. Time Dependent Seismicity along the North Anatolian Fault Zone. "*Proceedings of the 18th International Multidisciplinary Scientific Geoconference, SGEM 2018, Geology: Applied and Environmental Geophysics*", 2-8 July 2018, Albena, Bulgaria, <https://doi.org/10.5593/sgem2018/1.1>, v18, Issue 1.1, 1019-1026, 2018.
- 2.108. Çivgin, B. and **E.M. Scordilis**. Investigating the consistency of online earthquake catalogs of Turkey and surroundings. "*J. Seismol*", doi.org/10.1007/s10950-019-09863-w, 2019.
- 2.109. Contadakis, M., D. Arabelos and **E. Scordilis**. Lower Ionospheric Turbulence Variations During the Recent Activity of Etna's Volcano, Sicily, in December 2018. "*Bull. Geol. Soc. of Greece*", 55(1), 19-33. doi:http://dx.doi.org/10.12681/bgsg.20517, 2019.
- 2.110. Contadakis, M.E., D.N. Arabelos, G.S. Vergos and **E.M. Scordilis**. Lower ionospheric turbulence variations during the intense tectonic activity of

- October 2018 at Zakynthos area, Greece. *“Open Journal of Earthquake Research”*, 8, 255-266”, <https://doi.org/10.4236/ojer.2019.84015>, 2019.
- 2.111. **Scordilis E.M.**, Contadakis M.E., Vallianatos F. and Spatalas S. Lower Ionospheric turbulence variations during the intense tectonic activity in Eastern Aegean area. *“Annals of Geophysics”*, 63, 5, PA544, doi:10.44101/ag-7818, 2020.
- 2.112. Contadakis M.E., D.N. Arabelos, G. Vergos, Ch. Skeberis, T.D. Xenos, P.F. Biagi, and **E.M. Scordilis**. Ionospheric turbulence from TEC variations and VLF/LF transmitter signal observations before and during the destructive seismic activity of August and October 2016 in Central Italy, *“Annals of Geophysics”*, 63, 5, PA546, doi:10.4401/ag-7832, 2020.
- 2.113. Boore, D. M., J. P. Stewart, A. A. Skarlatoudis, E. Seyhan, B. Margaris, N. Theodoulidis, **E. Scordilis**, I. Kalogeras, N. Klimis, and N. S. Melis. A Ground-Motion Prediction Model for Shallow Crustal Earthquakes in Greece, *“Bull. Seismol. Soc. Am.”* XX, 1–18, doi: 10.1785/0120200270, 2020.
- 2.114. Kkallas Ch., Papazachos, C.B., **Scordilis, E.M.** and Margaris B.N. Active stress field of the southern Aegean sea subduction area from fault-plane solutions on the basis of different stress inversion approaches. *“Journal of Geodynamics”*, 143, 101813, <https://doi.org/10.1016/j.jog.2020.101813>, 2021.
- 2.115. Evangelidis, C.P., N. Triantafyllis, M. Samios, K. Boukouras, K. Kontakos, O.-J. Ktenidou, I. Fountoulakis, I. Kalogeras, N.S. Melis, O. Galanis, C.B. Papazachos, P. Hatzidimitriou, **E. Scordilis**, E. Sokos, P. Paraskevopoulos, A. Serpetsidaki, G. Kaviris, V. Kapetanidis, P. Papadimitriou, N. Voulgaris, I. Kassaras, G. Chatzopoulos, I. Makris, F. Vallianatos, K. Kostantinidou, Ch. Papaioannou, N. Theodoulidis, B. Margaris, S. Pilidou, I. Dimitriadis, P. Iosif, M. Manakou, Z. Roumelioti, K. Pitilakis, E. Riga, G. Drakatos, A. Kiratzi and G.-A. Tselentis. *“Seismol. Res. Lett.”*, XX, 1–13, doi: 10.1785/0220200408, 2021.
- 2.116. Margaris, B., **E.M. Scordilis**, J.P. Stewart, D.M. Boore, N. Theodoulidis, I. Kalogeras, N.S. Melis, A.A. Skarlatoudis, N. Klimis and E. Seyhan. *“Seismol. Res. Lett.”*, XX, 1–16, doi: 10.1785/0220190337, 2021.
- 2.117. Karakostas, V., C. Papazachos, E. Papadimitriou, M. Fomelis, A. Kiratzi, C. Pikridas, A. Kostoglou, C. Kkallas, N. Chatzis, S. Bitharis, A. Chatzipetros, A. Fotiou, C. Ventouzi, E. Karagianni, P. Bonatis, C. Kourouklas, P. Paradisopoulou, **E. Scordilis**, D. Vamvakaris, I. Grendas, D. Kementzetzidou, A. Panou, G. Karakaisis, I. Karagianni, P. Hatzidimitriou and O. Galanis. The March 2021 Tyrnavos, Central Greece, Doublet (Mw6.3 and Mw6.0): Aftershock Relocation, Faulting Details, Coseismic Slip and Deformation. *“Bull. Geol. Soc. Greece”*, 58, 131-178, <http://dx.doi.org/10.12681/bgsg.27237>, 2021.

3. Other Publications

- 3.1. Παπαζάχος, Β.Κ., Κουρατζή, Α.Α., Καρακώστας, Β.Γ., Παναγιωτόπουλος, Δ.Γ., **Σκορδύλης, Ε.Μ.** και Μουντράκης, Δ. Ιδιότητες της μετασεισμικής ακολουθίας και του σεισμογόνου ρήγματος του σεισμού της Καλαμάτας της 13ης Σεπτεμβρίου 1986. *“Ημερίδα ΤΕΕ/ΤΚΜ, Θεσσαλονίκη, Ιανουάριος 1987”*, σελ.12, 1987.
- 3.2. **Σκορδύλης, Ε.Μ.** Το τηλεμετρικό σεισμολογικό δίκτυο του Εργαστηρίου Γεωφυσικής του Α.Π.Θ. στη βόρεια Ελλάδα και η συμβολή του στη

- σεισμολογική μελέτη της περιοχής. "Πρακτικά του 1ου Συμποσίου για τις πρόσφατες τάσεις στη Σεισμολογία και τη Γεωφυσική του ελληνικού χώρου, Θεσσαλονίκη", 123-141, 1988.
- 3.3. Tsapanos, T.M., **Scordilis, E.M.** and Papazachos, B.C. A global catalogue of strong earthquakes. "Publ. Geophys. Lab. Univ. Thessaloniki", 9, 90pp, 1990.
 - 3.4. **Scordilis, E.M.**, Karakostas, B.G., Papaioannou, Ch.A. and Papazachos, B.C. Seismic sources affecting the city of Thessaloniki. "Publ. of the Geoph. Lab. of the Univ. of Thessaloniki", 10, 26pp, 1992
 - 3.5. Papazachos, B. C., **Scordilis, E.M.**, Papaioannou, Ch. A. and Karakostas, B. G. Seismological Bulletin of the year 1982. "Geophysical Laboratory, University of Thessaloniki", 109pp., Thessaloniki 1993.
 - 3.6. Papazachos, B. C., Panagiotopoulos, D. G., Karakostas, B. G., **Scordilis, E.M.** and Papaioannou, Ch. A. Seismological Bulletin of the year 1983. "Geophysical Laboratory, University of Thessaloniki", 164pp., Thessaloniki, 1993.
 - 3.7. Papazachos, B.C., Papadimitriou, E.E., Papaioannou, Ch.A., **Scordilis, E.M.**, Karakostas, B.G. and Kiratzi, A.A. Seismological Bulletin of the year 1984. "Geophysical Laboratory, University of Thessaloniki", 137pp., Thessaloniki 1994.
 - 3.8. Papazachos, B.C., Karakaisis, G.F., Margaris, B.N., **Scordilis, E.M.**, Karakostas, B.G. and Papaioannou, Ch.A. Seismological Bulletin of the year 1985. "Geophysical Laboratory, University of Thessaloniki", 121pp., Thessaloniki 1994.
 - 3.9. Papazachos, B.C., **Scordilis, E.M.** and Karakostas, B.G. Seismological Bulletin of the year 1986. "Geophysical Laboratory, University of Thessaloniki", 148pp., Thessaloniki 1994.
 - 3.10. Papazachos, B.C., Karakostas, B.G., **Scordilis, E. M.**, Papaioannou, Ch.A. and Tsapanos, T.M. Seismological Bulletin of the year 1987. "Geophysical Laboratory, University of Thessaloniki", 90pp., Thessaloniki 1995.
 - 3.11. Papazachos, B.C. and **Scordilis, E.M.** Seismological Bulletin of the year 1989. "Geophysical Laboratory, University of Thessaloniki", 136pp., Thessaloniki 1995.
 - 3.12. Papazachos, B.C. and **Scordilis, E.M.** Seismological Bulletin of the year 1990. "Geophysical Laboratory, University of Thessaloniki", 132pp., Thessaloniki 1995.
 - 3.13. Papazachos, B.C. and **Scordilis, E.M.** Seismological Bulletin of the year 1992. "Geophysical Laboratory, University of Thessaloniki", 113pp., Thessaloniki 1995.
 - 3.14. **Σκορδύλης, E.M.** Το τηλεμετρικό σεισμολογικό δίκτυο του Εργαστηρίου Γεωφυσικής του Πανεπιστημίου Θεσσαλονίκης. "Πρακτικά της ημερίδας για την τηλεμετρία, Ηράκλειο, 30 Μαΐου 1995", 156-170, 1995.
 - 3.15. **Scordilis, E.M.**, and Karakostas, B.G. Study of a seismic activity in Chimaditis Lake area (Western Macedonia, Greece). "University of Thessaloniki, Geophysical Laboratory, Publ. No 14", 12pp, 1996.
 - 3.16. Karakostas, B.G., Papaioannou, Ch.A., **Scordilis, E.M** and B.C. Papazachos. Focal properties of recent seismic sequences around Mygdonia basin, "Geophysical Laboratory, University of Thessaloniki", 27pp, 1996.
 - 3.17. Papazachos, B.C., Comninakis, P.E., Karakaisis, G.F., Karakostas, B.G., Papaioannou, Ch.A., Papazachos, C.B. and **E.M. Scordilis**. A catalogue of earthquakes in Greece and surrounding area for the period 550BC – 1999. "Publ. Geoph. Lab., Univ. of Thessaloniki", 1, 333pp, 2000 (also . In: Lee WHK, Kanamori H, Jennings PC, Kisslinger C (eds) International Handbook of Earthquake and Engineering Seismology IASPEI, Part B, CD #3, Academic Press, 2003).

- 3.18. Παπαζάχος, Β.Κ., Καρακώστας, Β.Γ., Κυρατζή, Α.Α., Μάργαρης, Β.Ν., Παπαζάχος, Κ.Β. και **Σκορδύλης, Ε.Μ.** Η Μέτρηση του Μεγέθους των Σεισμών της Ελλάδας, “*Συμπόσιο στη μνήμη Άγγελου Γαλανόπουλου*”, 31 Οκτωβρίου–2 Νοεμβρίου 2002, Αθήνα, 9σελ., 2002.
- 3.19. Papazachos, B.C, Karakostas, V.G., Kiratzi, A.A., Margaris, B.N., Papazachos, C.B. and **Scordilis, E.M.** The advantage of determination of earthquake magnitudes in Greece, “*Journal of Seismology, Short communication*”, 6, 589-594, 2002.
- 3.20. **Scordilis, E.M.**, Papazachos, C.B., Karakaisis, G.F. and Papazachos, B.C. A catalogue of earthquakes in central Asia for the period 1901-2010, “*Publ. Geophys. Laboratory*”, University of Thessaloniki, 2010.
- 3.21. **Scordilis, E.M.**, Karakaisis, G.F., Papazachos, C.B. and Papazachos, B.C. A catalogue of earthquakes in Japan for the period 1901-2010. “*Publ. Geophys. Laboratory*”, University of Thessaloniki, 2010.
- 3.22. Karakaisis, G.F., **Scordilis, E.M.**, Papazachos, C.B. and Papazachos, B.C. A catalogue of earthquakes in California for the period 1901-2010, “*Publ. Geophys. Laboratory*”, University of Thessaloniki, 2010.
- 3.23. Papazachos, B.C., Comninakis, P.E., **Scordilis, E.M.**, Karakaisis, G.F. and Papazachos, C.B. A catalogue of earthquakes in the Mediterranean and surrounding area for the period 1901-2010, “*Publ. Geophys. Laboratory*”, University of Thessaloniki, 2010.
- 3.24. Papaioannou, Ch.A., **Scordilis, E.M.**, C.B. Papazachos, G.F. Karakaisis, and B.C. Papazachos. A catalogue of earthquakes in central and south America for the period 1900-2010. “*Publ. Geophys. Laboratory*”, University of Thessaloniki, 2010.
- 3.25. Παπαζάχος, Κ.Β., **Σκορδύλης, Ε.Μ.**, Χατζηδημητρίου, Π.Μ. Το δίκτυο σεισμογράφων του Α.Π.Θ. και ο σεισμός του 1978, “*30 χρόνια μετά το σεισμό της Θεσσαλονίκης: Μνήμες και Προοπτική*”, Πολυτεχνική Σχολή Α.Π.Θ., Θεσσαλονίκη 2008, 96-100, 2008.
- 3.26. Papazachos, B.C., **E.M. Scordilis**, Ch.A. Papaioannou, C.B. Papazachos, G.F. Karakaisis. A homogeneous and complete earthquake catalogue for the Aegean area during the period 365-2012, “*Publ. Geophys. Laboratory*”, University of Thessaloniki, 1, 160pp, 2012.
- 3.27. Vamvakaris, D.A. and **E.M. Scordilis**. The Seismological Network of Aristotle University of Thessaloniki, Greece (AUTHnet), “*Summ. Bull. Internatl. Seismol. Cent., January - June 2017*”, 54 (I), pp. 31–49, <https://doi.org/10.31905/E1Y4GLBL>, 2020,

4. Publications in Abstract Volumes

- 4.1. **Σκορδύλης, Ε.** και Β. Παπαζαχος. Ενεργός τεκτονική της Σερβομακεδονικής μάζας. “*Περίληψεις: 1ο Πανελλήνιο Γεωλογικό συνέδριο*”, Αθήνα, 14-17 Δεκέμβρη 1983, 1983
- 4.2. Purcaru, G., **Scordilis, E.**, Papaioannou, Ch., and Karakostas, B. The dynamics of seismicity in the northern Aegean-Marmara region and a possible seismic gap. “*Abstracts: XXIV General Assembly of the European Seismological Commission*”, Athens, 19-24 September 1994, 1994.
- 4.3. Papazachos, B.C., Karakostas, V.G. and **Scordilis, E.M.** Space and time distribution of the 1995 seismic sequence in the Kozani-Grevena area. “*Abstracts: International meeting on results of the May 13, 1995 earthquake of West Macedonia: one year after, Kozani*”, May 24-27, 1996, 137-137, 1996.

- 4.4. Papazachos, B. C., Karakostas, V. G., Papazachos, C. B. and **Scordilis, E.M.** Some new information on the active tectonics of the Hellenic arc, "*Abstracts: 29th General Assembly of the International Association of Seismology and Physics of the Earth's interior*", Thessaloniki, Greece, August 18–28, 1997, 199p, 1997.
- 4.5. Dimitriou, P.P., Papadimitriou, E.E., Karakostas, B.G. and **Scordilis, E.M.** Multifractal patterns in Greek seismicity. "*Abstracts: The 29th General Assembly of the International Association of Seismology and Physics of the Earth's interior*", Thessaloniki, Greece, August 18–28, 1997, 218p, 1997.
- 4.6. Papazachos, C.B., Karakostas, B.G., and **Scordilis, E.M.** New results on the P and S velocity structure of the Lithosphere in the Aegean area from non–Linear Inversion of Arrival times. "*Abstracts: 29th General Assembly of the International Association of Seismology and Physics of the Earth's interior*", Thessaloniki, Greece, August 18-28, 1997, 283p, 1997.
- 4.7. Karakostas, V.G., Papazachos, B.C., Papadimitriou, E.E., **Scordilis, E.M.**, Papazachos, C.B. and Bernard, P. Fault characteristics of the 1995 Aeghion (Greece) earthquake. "*Abstracts: 29th General Assembly of the International Association of Seismology and Physics of the Earth's interior*", Thessaloniki, Greece, August 18–28, 1997, 334p, 1997.
- 4.8. **Scordilis, E.M.**, B.G. Karakostas, B.C. Papazachos, C.B. Papazachos and Ch.A. Papaioannou, Upgrade and New Features of the Seismological Network of the Geophysical Laboratory (University of Thessaloniki - GR), "*Abstracts: XXVI General Assembly of the ESC*", Tel-Aviv, Israel, August, 1998, 1998.
- 4.9. Peci, V., **Scordilis, E.**, Kiratzi, A., Mucic, B., Kuka, N. and Sh. Shubleka. A new catalogue for earthquakes in Albania. "*Abstracts: AGU Spring Meeting*", May 30-June 3, 2000 Washington DC, USA, 2000.
- 4.10. Papazachos, C.B., **Scordilis, E.M.** and Peci, V. P- and S- deep velocity structure of the southern Adriatic-Eurasia collision obtained by robust non-linear inversion of travel times. "*Abstracts: XXVIII General Assembly of the European Seismological Commission*", Genoa, Italy, September 1-6, 2002, 2002.
- 4.11. Purcaru, G. and **E.M. Scordilis**. Testing RCSE – method, useful for forecasting the place of large earthquakes in northern Aegean. "*Abstracts: XXVIII General Assembly of the European Seismological Commission*", Genoa, Italy, September 1-6, 2002, 2002.
- 4.12. Skarlatoudis, A.A., Papazachos, C.B., **Scordilis, E.M.** and B.G. Karakostas. Estimation of P_n and S_n station corrections for earthquake relocation in Aegean using data from local experiments. "*Abstracts: XXVIII General Assembly of the European Seismological Commission*", Genoa, Italy, September 1-6, 2002, 2002.
- 4.13. Παπαζάχος, Κ., Καρακάϊσης, Γ. και **Ε. Σκορδύλης**, Ενεργός τεκτονική και μεσοπρόθεσμη πρόγνωση σεισμών στο χώρο του Αιγαίου, "*Συμπόσιο στη μνήμη Άγγελου Γαλανόπουλου*", Αθήνα, 31 Οκτωβρίου–2 Νοεμβρίου, 2002, 2002.
- 4.14. Mucic B, Kiratzi A, Sulstarova E, Kociu S, Peci V, Scordilis E. Probabilistic seismic hazard assessment in Albania. In: "*Fall Meeting of American Geophysical Union*", abstract #S71B-1089, 2002.
- 4.15. Papazachos, C.B., Karakostas, G.F., **Scordilis, E.M.** and Papazachos, B.C., Accelerated precursory seismic deformation in different seismotectonic environments, "*EGS-AGU-EUG Joint Assembly*", Nice, France, 07 - 11 April 2003, Abstracts Volume, 2003.
- 4.16. Skarlatoudis, A., Papazachos, C.B., **Scordilis, E.M.** and Karakostas, B.G., P_n and S_n station corrections and upper mantle velocity structure in the Aegean

- area using data from local experiments, "*EGS-AGU-EUG Joint Assembly*", Nice, France, 07 - 11 April 2003, Abstracts Volume, 2003.
- 4.17. Vamvakaris, D.A., Papazachos, C.B., Savvaidis, P.D., Tziavos, I.N., Karagianni, E.E., **Scordilis, E.M.** and P.M. Hatzidimitriou. Stress-field and time-variation of active crustal deformation in the Mygdonia basin based on the joined interpretation of seismological, neotectonic and Geodetic data, "*EGS-AGU-EUG Joint Assembly*", Nice, France, 07 - 11 April 2003, Abstracts Volume, 2003.
 - 4.18. Karagianni, I., Papazachos, C., **Scordilis, E.**, Karakaisis, G. and A. Kiratzi, Accelerating seismic crustal deformation before recent strong earthquakes in the broader Himalayas area: Indications for the precursory behaviour of interplate and intraplate mainshocks, "*1st International Workshop on Earthquake Prediction, ESC subcommision on earthquake prediction*", 6-7 November 2003, Athens, Abstracts Volume, 2003.
 - 4.19. Papazachos, C., **Scordilis, E.**, Karakaisis, G. and Papazachos, B., Applicability of the critical earthquake model for earthquake prediction: Global properties, succesfull applications and limitations, "*1st International Workshop on Earthquake Prediction, ESC subcommision on earthquake prediction*", 6-7 November 2003, Athens, Abstracts Volume, 2003.
 - 4.20. Galanis, O.C., Papazachos, C.B., **Scordilis, E.M.**, and Hatzidimitriou, P.M., Seismic tomography of the Mygdonia basin (Northern Greece) using earthquakes located with a double-difference algorithm, "*XXIX ESC General Assembly*", Potsdam, Germany, September 12-17, Abstracts Volume, 2004.
 - 4.21. Papazachos, C.B., Karakaisis, G.F., **Scordilis, E.M.** and Papazachos, B.C., Global Observational Properties of the Critical Earthquake Model, "*XXIX ESC General Assembly*", Potsdam, Germany, September 12-17, Abstracts Volume, 2004.
 - 4.22. Georgoudas, I.G., Sirakoulis, G.Ch., **Scordilis, E.M.** and Andreadis, I. Modelling Xanthi's earthquake activity using a two-dimentional cellular automaton, "*EGU General Assembly*", 24-29 April 2005, Vienna, Abstracts Volume, 2005.
 - 4.23. Papazachos, C.B. and **Scordilis, E.M.**, The seismological network of AUTH: history, present situation, perspectives, "*NATO Advanced Research Workshop on Earthquake Monitoring and Seismic Hazard Mitigation in Balkan Countries*", 11 - 17 September 2005, The Rila Mountains - Resort Village Borovetz, Bulgaria, Abstracts book, 134-137, 2005.
 - 4.24. Papazachos, B.C., **Scordilis, E.M.**, Papazachos, C.B. and Karakaisis, G.F., The pattern of "Decelerating in – Aceelerating out seismic strain" before strong mainshocks, "*NATO Advanced Research Workshop on Earthquake Monitoring and Seismic Hazard Mitigation in Balkan Countries*", 11 - 17 September 2005, The Rila Mountains - Resort Village Borovetz, Bulgaria, Abstracts book, 138-142, 2005.
 - 4.25. **Scordilis, E.M.** Globally valid relations converting M_s , m_b and M_{JMA} to M_W , "*NATO Advanced Research Workshop on Earthquake Monitoring and Seismic Hazard Mitigation in Balkan Countries*", 11 - 17 September 2005, The Rila Mountains - Resort Village Borovetz, Bulgaria, Abstracts book, 158-161, 2005.
 - 4.26. Georgoudas, I.G., Sirakoulis, G.Ch., **Scordilis, E.M.** and Andreadis, I. Evaluating the role of seismic energy on the behaviour of a Cellular Automata model for real earthquake processes "*EGU General Assembly*", 2-7 April 2006, Vienna, Abstracts Volume, 2006.
 - 4.27. Georgoudas, I.G., Sirakoulis, G.Ch., **Scordilis, E.M.** and Andreadis, I. Long range interaction in a 2D cellular automata model of fundamental seismic attributes and parametric optimisation with the use of generic algorithms

- "EGU General Assembly", 13-18 April 2008, Vienna, Abstracts Volume, 2008.
- 4.28. Paul, A., Hatzfeld, D., Karabulut, H., Hatzidimitriou, P., Childs, D., Nikolova, S., Pequegnat, C., Hubans, F., Schmid, A., Aktar, M., Mutlu, A., Afacan, T., Ozakin, Y., Samut, D., Papazachos, C., Karagianni, I., Kementzetzidou, D., Karagianni, E., Roumelioti, Z., Vamvakaris, D., **Scordilis, E.** and Lyon-Caen, H. The SIMBAAD experiment in W. Turkey and Greece: A dense seismic network to study the crustal and mantle structures, "2008 Fall meeting of the American Geophysical Union", 2008.
 - 4.29. Vamvakaris, D.A., Papazachos, C.B., Papaioannou, Ch., **Scordilis, E.M.**, and Karakaisis, G.F. Time-independent and time-dependent seismic hazard in Greece using synthetic earthquake catalogues, "31st ESC Gen. Assoc.", 7-12 September, Hersonisos, Greece, 2008.
 - 4.30. Papazachos, B.C., **E.M. Scordilis**, G.F. Karakaisis, C.B. Papazachos and Ch.A. Papaioannou. Completeness of a Recently Compiled Catalog of Earthquakes Generated in the Broader Aegean Area during the Time Period 464BC-2008, "Joint NERIES NA4, SHARE Task 3.1, ESCWorkshop on: THE MAKING OF THE EUROPEAN-MEDITERRANEAN EARTHQUAKE CATALOGUE", Thessaloniki, Greece, October 12-14, 2009.
 - 4.31. Anne Paul, Walid Ben Mansour, Denis Hatzfeld, Hayrullah Karabulut, Dean M. Childs, Catherine Péquegnat, Panagiotis Hatzidimitriou, T. Afacan, M. Aktar, K. Bourova-Flin, L. Dimitrova, F. Hubans, D. Kementzetzidou, E. Karagianni, I. Karagianni, A. Komec Mutlu, Y. Ozakin, C. Papazachos, **M. Scordilis**, S. Roussel, G. Salaün, D. Samut, D. Vamvakaris. "Geophysical Research Abstracts", Vol. 12, EGU2010-8807-1, 2010 General Assembly, 2010.
 - 4.32. Kechaidou, M., G.Ch. Sirakoulis, **E.M. Scordilis** and I. Karafyllidis. Modelling real earthquake activity with reverse engineering based on evolutionary computation methods, "EGU General Assembly, Vienna, 3-8 April, Geophysical Research Abstracts", Vol.13, EGU2011-10776, 2011.
 - 4.33. **Σκορδύλης, Μ.** και Π. Χατζηδημητρίου. Σύγχρονα προγνωστικά μοντέλα: συμβολή του Ενιαίου Εθνικού Σεισμολογικού Δικτύου, "Σεμινάριο: Σεισμική Επάρκεια Μνημείων", Θεσσαλονίκη, 3-5 Νοεμβρίου, Περιλήψεις, 71-74, 2011.
 - 4.34. Kolligri, M., **E. Scordilis**, S. Koutrakis, C. Evangelidis, C. Papazachos, G. Karakaisis, G. Drakatos and F. Vallianatos, "EGU General Assembly, Vienna, 27 April – 02 May Geophysical Research Abstracts", Vol. 16, EGU2014-13527, 2014.
 - 4.35. Maggipinto, T., R. Colella, P.F. Biagi, L. Schiavulli, T. Ligonzo, A. Ermini, G. Martinelli, P. Palangio, I.A. Moldovan, H.G. Silva, M. Bezzeghoud, M.E. Contadakis, D.N. Arabelos, **E.M. Scordilis**, X. Frantzis, K. Katzis, A. Buyuksarac, and S. D'Amico, "EGU General Assembly, Vienna, 27 April – 02 May Geophysical Research Abstracts", Vol. 16, EGU2014-3683, 2014.
 - 4.36. KKallas, H., C. Papazachos, **E. Scordilis**, V. Margaritis and the EGELADOS w.g., "2nd European Conference on Earthquake Engineering and Seismology, Istanbul, 25-29 August 2014", 3pp, 2014.
 - 4.37. Christou, E., **E. Scordilis** and G. Karakaisis, Time dependent seismicity along the western coast of Canada, "International Workshop: Mega earthquakes and tsunamis in subduction zones: Forecasting approaches and implications for hazard assessment", Rhodes Island, Greece, 6-8 October, 2014, page 29, 2014.
 - 4.38. Çıvgın, B. and **E.M. Scordilis**, A new relation for ML estimation in Central Turkey, "Proc. of 9th Congress of Balkan Geophysical Society", 5-9 November 2017, Antalya, Turkey, 5pp, 2017.
 - 4.39. Contadakis, M.E., D.N. Arabelos, G. Vergos, S. Spatalas, Ch. Skeberis, T.D. Xenos, P. Biagi, and **E.M. Scordilis**, Ionospheric turbulence from TEC

variations and VLF/LF transmitter signal observations before and during the destructive seismic activity of August and October 2016 in Central Italy “*EGU General Assembly, Vienna, 23-28 April, Geophysical Research Abstracts*”, Vol. 19, EGU2017-1920-1, 2017.

- 4.40. Arabelos, D.N., Contadakis, M.E., G. Vergos, S. Spatalas and **E.M. Scordilis**, Variation of the earth tide –seismicity compliance parameter p the last 17 years for the area of Italy, “*EGU General Assembly, Vienna, 23-28 April, Geophysical Research Abstracts*”, Vol. 19, EGU2017-2038-2, 2017.
- 4.41. Contadakis, M.E., Arabelos, **E.M. Scordilis** and F. Vallianatos, Lower Ionospheric turbulence variations during the intense tectonic activity in Eastern Aegean area, “*EGU General Assembly, Vienna, 8–13 April, Geophysical Research Abstracts*”, Vol. 20, EGU2018-1608, 2018.

5. Technical Reports

- 5.1. Μουντράκης, Δ., Κίλιας Α., Παυλίδης, Σ., Σωτηριάδης Λ., Ψιλοβίκος, Α., Αστάρης, Θ., Βαβλιάκης, Ε., Κουφός, Γ., Δημόπουλος, Γ., Σούλιος, Γ., Χρηστάρας, Β., **Σκορδύλης, Ε.**, Τρανός, Μ., Σπυρόπουλος, Ν., Πάτρας Δ., Συρίδης, Γ., Λαμπρινός, Ν. και Λάγγαλης, Θ., “*Νεοτεκτονικός χάρτης της Ελλάδας, κλίμακα 1:100.000, φύλο ΛΑΓΚΑΔΑΣ*”, σελ. 58, 1997.
- 5.2. **Σκορδύλης, Ε.**, Βοϊδομάτης, Φ., Δελήμπασης, Ν., Σταυρακάκης, Γ., Παπαναστασίου, Δ., Καρακαίσης, Γ., Παναγιωτόπουλος, Δ., Παπαδημητρίου, Ε., Τσάππας, Θ., Καραγιάννη, Ε., Μπάκα, Α., Δρακόπουλος, Ι. και Παπαζάχος, Β. “*Μικροσεισμικότητα περιοχής Ηρακλείου Κρήτης, Report 16/1995, Geophysical Lab., Aristotle University of Thessaloniki*”, 240-254, 1995.
- 5.3. Παπαζάχος, Β. Κ., Χατζηδημητρίου, Π., Παναγιωτόπουλος, Δ., Καρακαίσης, Γ., **Σκορδύλης, Ε.**, Θεοδουλίδης, Θ., Μάργαρης, Β., Παπαϊωάννου, Χ., Παπαζάχος, Κ. Β., Λεκίδης, Β., Κολιόπουλος, Π., και Καρακώστας, Χ., “*Σεισμικότητα και σεισμική επικινδυνότητα στην περιοχή Ν.Κεραμιδίου Περίας*”, σελ. 79, 1996.
- 5.4. Μουντράκης, Δ., Κίλιας Α., Παυλίδης, Σ., Σωτηριάδης Λ., Ψιλοβίκος, Α., Αστάρης, Θ., Βαβλιάκης, Ε., Κουφός, Γ., Δημόπουλος, Γ., Σούλιος, Γ., Χρηστάρας, Β., **Σκορδύλης, Ε.**, Τρανός, Μ., Σπυρόπουλος, Ν., Πάτρας Δ., Συρίδης, Γ., Λαμπρινός, Ν. και Λάγγαλης, Θ., , “*Νεοτεκτονικός χάρτης της Ελλάδας, κλίμακα 1:100.000, φύλλα ΘΕΣΣΑΛΟΝΙΚΗ-ΛΑΓΚΑΔΑΣ*”, 1997.
- 5.5. Μουντράκης, Δ., Κίλιας Α., Παυλίδης, Σ., Ψιλοβίκος, Α., Βαβλιάκης, Ε., Συρίδης, Γ., **Σκορδύλης, Ε.**, Τρανός, Μ., Σπυρόπουλος, Ν., Ζούρος, Ν., Φασουλάς, Χ., “*Νεοτεκτονικός χάρτης της Ελλάδας, κλίμακα 1:100.000, φύλλο ΡΟΔΟΛΙΒΟΣ*”, 1997.
- 5.6. Μουντράκης, Δ., Κίλιας Α., Παυλίδης, Σ., Ψιλοβίκος, Α., Βαβλιάκης, Ε., Τρανός, Μ., Σπυρόπουλος, Ν., Χατζηπέτρος, Α., Καρακώστας Β., **Σκορδύλης, Ε.**, Γκουντρομίχου, Χ., Θωμαΐδου, Ε., “*Νεοτεκτονικός χάρτης της Ελλάδας, κλίμακα 1:100.000, φύλλο ΚΟΖΑΝΗ*”, 1997.
- 5.7. Παπαζάχος, Β. Κ., Καρακαίσης, Γ., Κυρατζή, Α., Παναγιωτόπουλος, Δ., Παπαδημητρίου, Ε., Χατζηδημητρίου, Π., Καρακώστας, Β., **Σκορδύλης, Ε.**, Θεοδουλίδης, Θ., Μάργαρης, Β., Παπαϊωάννου, Χ., Παπαζάχος, Κ. Β., Λεκίδης, Β., Κολιόπουλος, Π., Καρακώστας, Χ., Κλήμης, Ν., και Παπούλια, Α., “*Μελέτη σεισμικότητας και καθορισμός σεισμικής επικινδυνότητας της ευρύτερης περιοχής της τεχνητής λίμνης Πολυφύτου και του φράγματος Ιλαρίωνα*”, σελ. 81, 1997.

- 5.8. Παπαζάχος, Β. Κ., Χατζηδημητρίου, Π., Καρακαΐσης, Γ., Κυρατζή, Δ., Παπαδημητρίου, Ε., **Σκορδύλης, Ε.**, Καρακώστας, Β., Θεοδουλίδης, Θ., Μάργαρης, Β., Παπαϊωάννου, Χ., Παπαζάχος, Κ. Β., Λεκίδης, Β., Κολιόπουλος, Π., Παπούλια, Α., Καρακώστας, Χ., και Κλήμης, Ν., “Μελέτη σεισμικότητας και καθορισμός σεισμικής επικινδυνότητας της ευρύτερης περιοχής του φράγματος Γρατινής στην περιοχή Κομοτηνής”, 81 σελ., 1997.
- 5.9. Παπαϊωάννου, Χ., Παπαζάχος, Κ. Β., Καρακώστας, Β., **Σκορδύλης, Ε.**, Καρακαΐσης, Γ., Μάργαρης, Β., και Θεοδουλίδης, Ν., “*Earthquake prone regions along the Burgas-Alexandroupolis pipeline*”, 113 σελ. και δύο Παραρτήματα, 1999.
- 5.10. Μουντράκης, Δ., Κίλιας Α., Παυλίδης, Σ., Βαβλιάκης, Ε., Τρανός, Μ., Ζούρος, Ν., Σπυρόπουλος, Ν., Χατζηπέτρος, Α., Καρακώστας, Β., **Σκορδύλης, Ε.**, Κωστόπουλος, Δ., Γκουντρομίχου, Χ., Θωμαΐδου, Ε “*Νεοτεκτονικός χάρτης της Ελλάδας, κλίμακα 1:100.000, φύλο ΚΟΖΑΝΗ*”, σελ. 95, 1999.
- 5.11. **Scordilis, E.M.** and B.G. Karakostas. “*Compilation of a homogeneous earthquake catalogue and valuation of seismicity parameters in the broader area of northern Greece (37°N – 43°N, 18°E – 30°E)*”, σελ. 110, 2000.
- 5.12. Καρακαΐσης, Γ.Φ., Χατζηδημητρίου, Π.Μ., Παπαζάχος, Κ.Β., Παπαδημητρίου, Ε.Ε., Κυρατζή, Α.Α., Καρακώστας, Β.Γ., **Σκορδύλης, Ε.Μ.**, Παναγιωτόπουλος, Δ.Γ., Τσάππανος, Θ.Μ., Παπαζάχος, Β.Κ., Μουντράκης, Δ., Βαργεμέζης, Γ., Αηδονά, Ε., Τρανός, Μ., Σαββαΐδης, Α. και Σ. Κουτράκης, “*Συλλογή και επεξεργασία σεισμικών δεδομένων και εκπόνηση νέου χάρτη σεισμικής επικινδυνότητας της Ελλάδας συμβατού με τον ισχύοντα Ελληνικό Αντισεισμικό Κανονισμό και τον Ευρωκώδικα 8*”, 40 σελ., 2002.
- 5.13. Parazachos, C., **Scordilis, E.** and V. Peci. “*P and S deep velocity structure of the southern Adriatic-Eurasia collision zone obtained by inversion of travel time*”. Seis-Albania NATO Programmer SfPProject No. 972342 (1998-2003), 70-87, 2002.
- 5.14. Μουντράκης, Δ., Παπαζάχος, Κ., Κίλιας, Α., Τρανός, Μ., Καραγιάννη, Ε., Βαμβακάρης, Δ., Θωμαΐδου, Ε., Καρακαΐσης, Γ., **Σκορδύλης, Ε.**, Χατσηδημητρίου, Π., Παπαδημητρίου, Ε., Αηδονά, Ε., Βαργεμέζης, Γ. Και Σκαρλατουδης, Α., “*Προσδιορισμός των χαρακτηριστικών και της σεισμοτεκτονικής συμπεριφοράς των κυρίων σεισμικών/ενεργών ρηγμάτων του Βορείου Ελληνικού χώρου με τη χρήση νεοτεκτονικών και σεισμικών δεδομένων*”, 179 σελ. και ένα Παράρτημα, 2003.
- 5.15. Θεοδουλίδης, Ν., Καλογεράς, Ι., Παπαζάχος, Κ., Σκαρλατουδης, Α., Μάργαρης, Β., Παπαϊωάννου, Χ., Καραστάθης, Β., **Σκορδύλης, Ε.**, και Καρακώστας, Β., Ανάπτυξη ενιαίας βάσης δεδομένων ισχυρής εδαφικής κίνησης σεισμών του Ελληνικού χώρου, 48 σελ. και ένα Παράρτημα, 2003.
- 5.16. Μουντράκης, Δ., Κίλιας Α., Παυλίδης, Σ., Τρανός, Μ., Σπυρόπουλος, Ν., Ζούρος, Ν., Συρίδης, Γ., **Σκορδύλης, Ε.**, Βαβλιάκης, Ε., Θωμαΐδου, Ε “*Νεοτεκτονικός χάρτης της Ελλάδας, κλίμακα 1:75.000, φύλο ΡΟΔΟΛΙΒΟΣ*”, σελ. 95, 2003.
- 5.17. Kiratzi, A., Karakaisis, G., **Scordilis, E.**, Roumelioti, Z., Benetatos, Ch., Kementzetzidou, K. and A. Baba. A study of the June 2003 earthquake activity in the Psachna region of Evia Island, “*Technical Report submitted to OASP*”, (in Greek), pp. 10, 2003.
- 5.18. Mucro B., Kiratzi A., Aliaj Sh., Sulstarova E., Kocju S., Pecj V., **Scordilis E.** “*Final Report of NATO SfP Project on Seismotectonics and Seismic Hazard Assessment in Albania*”, 2004.
- 5.19. **Σκορδύλης, Ε.Μ.** “*Τεχνική Έκθεση για τη Σεισμικότητα της Αλμωπίας*”, 3η Εκπαιδ. Περιφέρειας Ν. Πέλλας, 2005.
- 5.20. Μάργαρης, Β.Ν., **Ε.Μ. Σκορδύλης** και Κ. Δημαράς, “*Μελέτη σεισμικότητας και σεισμικής επικινδυνότητας στην περιοχή της Ν. Αχαΐας*”, Έργο:

Λιμνοδεξαμενή στη θέση Ντάσκα Δ. Τριταίας, Νομαρχιακή Αυτοδιοίκηση Αχαΐας, 2007.

- 5.21. Μάργαρης, Β.Ν. και **Ε.Μ. Σκορδύλης**, “*Εκτίμηση Σεισμικής Επικινδυνότητας και Καθορισμός της Ισχυρής Κίνησης στην Περιοχή της Κέρκυρας στις θέσεις Μελισσοῦδι και Καλαμιώτισα*”, 50 σελ., 2008.
- 5.22. Μάργαρης, Β.Ν. και **Ε.Μ. Σκορδύλης** “*Εκτίμηση Σεισμικής Επικινδυνότητας και Καθορισμός της Ισχυρής Κίνησης στις Περιοχές της Δράμας Μυλόρεμα – Καρβουνόρεμα*”, 2009.
- 5.23. Margaris, B.N., N. Theodulidis, **E.M. Scordilis** and N. Klimis, “*Evaluation de la sismicite et de l’ alea sismique de la region El Qouldja en Algerie*”, 35 pp, 2012.
- 5.24. Margaris, B.N., N. Theodulidis, **E.M. Scordilis** and N. Klimis, “*Evaluation de la sismicite et de l’ alea sismique de la region Berkeche en Algerie*”, 35 pp, 2012.