

# CURRICULUM VITAE

**Name:** Eleftheria E. Papadimitriou

**Nationality:** Greek

**Born:** 8 February 1958

**Profession:** Seismologist

**Education:** B. Sc. In Geology – University of Thessaloniki, Greece (1981)

Ph. D. Thesis in Seismology – University of Thessaloniki, Greece (1984)

**Languages:** Greek, English, French, and Russian

**Former career:** Research Assistant of the Geophysics Department of the Aristotle University of Thessaloniki (1983–1985)

Lecturer of the same Department (1985–1990)

Assistant Professor (1990–1994)

Associate Professor (1994–2001)

**Present position:** Professor Seismology, Geophysics Department of the Aristotle University of Thessaloniki (2001 – present)

## **Sabbaticals:**

1. Institute of Physics of the Earth of the University Pierre et Marie Curie of Paris (France)
2. Lamont Doherty Earth Observatory of Columbia University, NY (USA)

## **Visits and Cooperation with Institutes**

3. Laboratory of Geophysics of the Earth's Interior of the University of Grenoble (France)
4. Institute of Geophysics of the Bulgarian Academy of Sciences, Sofia (Bulgaria)
5. Institute of Physics of the Earth of the Russian Academy of Sciences, Moscow (Russia)
6. Institute of Physics of the Earth of the University Pierre et Marie Curie of Paris (France)
7. National Institute of Geophysics and Vulcanology, Rome (Italy)
8. Institute of Geophysics, ETH Zürich (Switzerland)
9. Laboratory of Geodynamics of the University Nice–Sophia Antipolis (France)
10. Joint Research Centre, Ispra (Italy)
11. Department of Geology, American University of Beirut (Lebanon)
12. Institute of Geophysics of the Shanxi Province (China)
13. Lamont Doherty Earth Observatory of Columbia University, NY (USA)
14. Victoria University of Wellington (New Zealand)
15. Institute of Geological & Nuclear Sciences, Lower Hutt (New Zealand)
16. Seismological Bureau of Shanghai CSB (Shanghai – China)
17. Seismological Bureau of Shaanxi Province CSB (Xian – China)
18. Seismological Bureau of Hebei Province CSB (Shijazhuang – China)
19. Analysis and Prediction Center, CSB (Beijing – China)
20. Geophysical Institute, CSB (Beijing – China)
21. Department of Geophysics, University of Bologna (Bologna – Italy)

22. Institute of Geophysics, AGH University of Science and Technology (Krakow – Poland)
23. Seismological Bureau of Sichuan Province (Chengdu – China)
24. Seismological Bureau of Tangshan (China)
25. Faculty of Physics, University of Plovdiv (Bulgaria)
26. Institute of Geophysics, Polish Academy of Science, Warsaw (Poland)
27. Department of Earthquake Engineering, IIT Roorkee, Roorkee (India)
28. TUBITAK Marmara Research Center, Gebze (Kocaeli – Turkey)
29. Friedrich–Schiller–Universität Jena (Germany)
30. Complutense University of Madrid (Spain)
31. Centre of Integrated Geomorphology for the Mediterranean Area (Potenza, Italy)
32. Jordan University of Amman (Jordan)
33. University of Cyprus (Nicosia, Cyprus)
34. Geological Survey of Norway (Trondheim, Norway)
35. Helmholtz Institute Freiberg for Resource Technology, Institute of Geology (Freiberg, Germany)
36. Freiberg University of Mining and Technology (Freiberg, Germany)
37. China Earthquake Administration, Anhui Province (Hefei, China)
38. Università degli studi RomaTre (Roma, Italy)
39. Università di Napoli Federico II (Napoli, Italy)
40. Second University of Naples (Caserta, Italy)
41. National Autonomous University of Mexico (Mexico)
42. National Institute of Earth Physics, Bucharest (Romania)
43. National Research Institute of Astronomy and Geophysics, Cairo (Egypt)
44. International Seismological Center, Thatcham, Berkshire, UK
45. Wrocław University of Environmental and Life Sciences, Poland
46. Cadi Ayyad University, Marrakech – Morocco

**Field experience:** Participation in several field experiments concerning seismotectonic studies and studies of earthquake sequences

**Teaching experience:** “Introduction to Seismology”, “Mechanical Oscillations & Elastic Waves”, “Applied Seismology & Environment” and “Geophysical issues” to the undergraduate students at the School of Geology, School of Physics and School of Mathematics.

“Advanced Seismology”, “The mechanics of earthquakes and faulting”, “Fracture Models”, “Field exercises”, “Geodynamics & Seismotectonics”, “Seismometry” and “Geophysical properties of Greece and its surroundings” to the postgraduate students at the School of Geology.

### **Research activities**

1. Long-term earthquake prediction in the broader area of Greece based on seismicity and probabilistic models
2. Studies of seismic sequences
3. Seismotectonics of the broader area of Greece

4. Fault plane solutions and stress patterns
5. Source parameters by synthetic seismograms
6. Time dependent seismicity by the application of the Time Predictable Model.
7. Fractal analysis of the global seismicity and the seismicity of the broader area of Greece
8. Stress evolution using Coulomb Failure Function changes
9. Statistical Seismology
10. Seismic hazard assessment

**Member of Scientific Associations:**

Hellenic Association of Geologists  
 Geological Society of Greece  
 Geotechnical Chamber of Greece  
 Hellenic Geophysical Union  
 European Union of Geosciences  
 Seismological Society of America  
 American Geophysical Union  
 European Geophysical Society

**Administrative experience – Member of Special Committees and Councils:**

1. Acting Secretary of the School of Geology (1982–1983)
2. Council Member of the Faculty of Exact Sciences Scientific Staff (1982–1984)
3. Head of the Geophysics Department (1999–2000)
4. Director of the Geophysics Laboratory (2002–2005)
5. Member of the National Committee for the Seismic Hazard Evaluation (1999 – 2002).
6. Member of the board for directors of the Earthquake Planning & Protection Organization (2005–2008)
7. Member of the board for directors of the Institute of Engineering Seismology & Seismic Engineering (2006–2008 & 2009–2010).
8. Member of the Research Committee of the Institute of Engineering Seismology & Seismic Engineering (2006–2008 & 2009–2010).
9. Scientific Council of the Centre of Integrated Geomorphology for the Mediterranean Area (CGIAM) – Potenza, Italy (2011–).
10. Advisory Working Group of the platform "Environment and Sustainable Development" under the Research and Innovation Strategy for Smart Specialisation program period 2014–2020, 2020–present.
11. Member of the board for directors of Thessaloniki State Symphony Orchestra, (2016–).

**Conferences Organizing Committee**

1. Recent trends in the Seismology and Physics of the Earth's Interior in the area of Greece, Thessaloniki, July 1988.
2. 2<sup>nd</sup> Hellenic – Bulgarian Symposium on the Geological and Physicogeographical problems of the Rhodope massif, Thessaloniki, October 1989.
3. 2<sup>nd</sup> of the Hellenic Geophysical Union, Florina, May 5–7, 1993.
4. 29<sup>th</sup> General Assembly of the International Association of Seismology and Physics of the Earth's Interior, Thessaloniki, Greece, 18–28 August 1997.

5. Psychological consequences of the earthquakes and other natural hazards, Hellenic Association for Behavior Research, Athens, 9<sup>th</sup> May 2003.
6. 3<sup>rd</sup> Hellenic Conference on Earthquake Engineering & Engineering Seismology, Athens, 5–8 November, 2008.

### **Editorial & Reviewing Experience**

- *Editor in Chief:*  
Acta Geophysica
- *Associate Editor:*  
Bolletino di Geofisica Teorica & Applicata  
Geosciences  
Journal of Seismology
- *Organization of special issues:*
  1. Proceedings of the 1<sup>st</sup> Symposium Συμποσίου για τις Νέες Εξελίξεις στη Σεισμολογία και Γεωφυσική του Ελληνικού χώρου.
  2. Proceedings of the 2<sup>nd</sup> Congress of the Hellenic Geophysical Union, Florina, May 5–7, 1993.
  3. Annali di Geofisica, Vol. 45, N. 5, 1999.
  4. Acta Geophysica, Vol. 58, 2010.
  5. Acta Geophysica, Vol. 59, 2011.
- *Reviewer in:*
  1. Earth, Planet & Space
  2. Earth Planetary Science Letters
  3. Acta Geodetica et Geophysica
  4. Acta Geophysica
  5. Annali di Geofisica
  6. Bolletino di Geofisica Teorica & Applicata
  7. Bulletin of Earthquake Engineering
  8. Bulletin of Geological Society of Greece
  9. Bulletin of Seismological Society of America
  10. Earth Science Reviews
  11. Geophysical Journal International
  12. Geophysical Research Letters
  13. Geosciences
  14. Hellenic Journal of Geosciences
  15. International Journal of Earth Sciences
  16. International Journal of Geophysics
  17. International Journal of Physical Sciences
  18. Journal of Asian Earth Sciences
  19. Journal of Earthquake Engineering
  20. Journal of Geodynamics
  21. Journal of Geophysical Research

22. Journal of Earthquake Engineering
23. Journal of Seismology
24. Journal of South American Earth Sciences
25. Journal of Volcanology & Geothermal Research
26. Natural Hazards
27. Natural Hazards & Earth System Sciences
28. NRIAG Journal of Astronomy & Geophysics
29. Physics of the Earth & Planetary Interiors
30. Pure & Applied Geophysics
31. Seismological Research Letters
32. Soil Dynamics and Earthquakes
33. Tectonics
34. Tectonophysics
35. Turkish Journal of Earth Science

- *Scientific Examiner:*

1. Greek National Foundation of Graduate Fellowships
2. General Secretariat of Research & Technology, Greece
3. European Union's Calls
4. French Research Funding Agency
5. Czech Science Foundation
6. Polish National Science Centre
7. Research Promotion Foundation of Cyprus
8. Earthquake Commission of New Zealand
9. ETH Research Commission, Zurich
10. Natural Environmental Research Council, UK
11. COST, European Cooperation in Science & Technology
12. Croatian Science Foundation
13. Netherlands Organisation for Scientific Research

### **Participation in Scientific Meetings**

1. *1<sup>st</sup> Conference of the Hellenic Association of Geologists*, Athens (Greece), December 14–17, 1983.
2. *Earthquakes and Constructions, Hellenic Association of Civil Engineers*, Athens (Greece), February 20–24, 1984.
3. *2<sup>nd</sup> Conference of the Geological Society of Greece*, Athens (Greece), May 17–18, 1984.
4. *XIX General Assembly of European Seismological Committee*, Moscow, October 1–6, 1984.
5. *Seminar on Earthquake Prognostics*, Berlin, June 14–15, 1985.
6. *Third Symposium on Analysis of Seismicity and on Seismic Risk*, Liblice, Czechoslovakia, June 17–22, 1985.
7. *12<sup>th</sup> Regional Seminar on Earthquake Engineering*, Halkidiki, September 16–25, 1985.
8. *Summer School on Seismic Hazard in Mediterranean region*, Strasbourg, July 21–August 1, 1986.

9. *Training Seminar on Earthquake Prediction and the Mitigation of Earthquake Losses*, Dushanbe, Tadjikistan SSR, Soviet Union, October 8–14, 1986.
10. *Technical Chamber of Greece: Experiences from the recent Kalamata earthquake*, Thessaloniki (Greece), January 1987.
11. *First European School on Seismic Hazard Assessment*, Athens, May 1988.
12. *Recent trends in the Seismology and Physics of the Earth's Interior in the area of Greece*, Thessaloniki (Greece), July 1–3, 1988.
13. *Seminar on the Prediction of Earthquakes*, Lisbon, Portugal, November 14–18, 1988.
14. *Sismotectonique et Risque Sismique, Journee Scientifique de la Section de Sismologie du CNFGG*, Paris, 11 Janvier 1989.
15. *5<sup>th</sup> meeting of the European Union of Geosciences*, Strasbourg, March 10–24, 1989.
16. *1<sup>st</sup> Scientific Congress of the Hellenic Geophysical Union*, Athens, April 19–21, 1989.
17. *Earthquake Prediction and its social impacts", UNDP/UNDRO, Task Group No 11, First Meeting*, Romania, Vrincoiaia, 21–26 September 1989.
18. *2<sup>nd</sup> Hellenic – Bulgarian Symposium on the Geological and Physicogeographical problems of the Rhodope massif*, Thessaloniki, October 1989.
19. *Earthquake School – Symposium: Earthquake Prediction and Earthquake Engineering*, Plovdiv (Bulgaria), April 16–23, 1990.
20. *5<sup>th</sup> Scientific Conference of the Geological Society of Greece*, Thessaloniki (Greece), May 24–27, 1990.
21. *XXII General Assembly of the European Seismological Commission*, Barcelona, September 17–22, 1990.
22. *17<sup>th</sup> General Assembly of the European Geophysical Society*, Edinburgh, April 6–10, 1992.
23. *6<sup>th</sup> Conference of the Geological Society of Greece with emphasis on the geology of the Aegean Sea*, Athens, May 25–27, 1992.
24. *International Symposium on Fractals and Dynamic Systems in Geosciences*, Frankfurt, Germany, 1–3 April 1993.
25. *2<sup>nd</sup> Scientific Congress of the Hellenic Geophysical Union*, Florina (Greece), May 5–7, 1993.
26. *27<sup>th</sup> Assembly of the International Association of Seismology and Physics of the Earth's Interior*, Wellington, New Zealand, 10–21 January 1994.
27. *7<sup>th</sup> Congress of the Geological Society of Greece*, Thessaloniki, May 25–27, 1994.
28. *20<sup>th</sup> International Conference on Mathematical Geophysics*, Villefranche sur mer (France), June 19–24, 1994.
29. *XXIV General Assembly of the European Seismological Commission*, Athens, September 19–23, 1994.
30. *2<sup>nd</sup> Conference on studies of Almiros area*, Almiros, Greece, 3–4 July 1995.
31. *XXV General Assembly of the European Seismological Commission*, Reykjavik, Iceland, September 9–14, 1996.
32. *1<sup>st</sup> Congress of the Balkan Geophysical Society*, Athens, September 23–27, 1996.
33. *ISIS Workshop on Earthquake Observation, Monitoring and Research*, Ispra, Italy, November 4–5, 1996.
34. *International Workshop on the research programmes for prevention and forecasting of earthquakes*, Athens, December 1996.

35. *29<sup>th</sup> Assembly of the International Association of Seismology and Physics of the Earth's Interior*, Thessaloniki, Greece, 18–28 August 1997.
36. *AGU 1998 Spring Meeting*, Massachusetts, May 26–29, 1998.
37. *Meeting on Athens earthquake*, Athens, 1 December 1999.
38. *XXVII General Assembly of the European Seismological Commission (ESC)*, Lisbon, Portugal, 10–15 September 2000.
39. *Aegean Initiative Joint Disaster Workshop between Greece and Turkey*, Istanbul, Turkey, March 1, 2002.
40. *1<sup>st</sup> International Symposium of the Faculty of Mines on Earth Sciences and Engineering*, Istanbul, Turkey, May 16–18, 2002.
41. *XXVIII General Assembly of the European Seismological Commission (ESC)*, Genoa, Italy, 1–6 September 2002.
42. *Psychological consequences of earthquakes and other natural hazards*, Hellenic Association of Behavior Research, Athens, 9 May 2003.
43. *The Lefkada earthquake: Effects on the natural and built environment*, Technical Chamber of Greece, Thessaloniki, 13 October 2003.
44. *1<sup>st</sup> International Workshop on Earthquake Prediction, ESC Subcommission*, Athens, Greece, 6–7 November 2003.
45. *10<sup>th</sup> International Congress of the Geological Society of Greece*, Thessaloniki, Greece, 15–17 April 2004.
46. *5<sup>th</sup> International Symposium on Eastern Mediterranean Geology*, Thessaloniki, Greece, 14–20 April 2004.
47. *3<sup>rd</sup> International Conference on Continental Earthquakes*, Beijing, 12–14 July 2004.
48. *4<sup>th</sup> National Geophysical Conference with International Participation*, Sofia, 4–6 October 2004.
49. *1<sup>st</sup> Hellenic Conference for Risk and Crisis Management*, Karditsa, Greece, 8–10 April 2005.
50. *22<sup>nd</sup> International Tsunami Symposium*, Chania, Greece, 25–28 June 2005.
51. *33<sup>rd</sup> Assembly of the International Association of Seismology and Physics of the Earth's Interior*, Santiago, Chile, 2–8 October, 2005.
52. *VI<sup>th</sup> International Conference, SGEM 2006*, 12–16 June 2006, Albena, Bulgaria.
53. *2006 Western Pacific Geophysics Meeting, AGU*, 24–27 July 2006, Beijing, China.
54. *1<sup>st</sup> European Conference on Earthquake Engineering and Seismology*, 3–8 September 2006, Geneva, Switzerland.
55. *XXIV IUGG General Assembly*, 2–13 July 2007, Perugia, Italy.
56. *Evison Symposium*, 18–22 February 2008, Wellington, New Zealand.
57. *2<sup>nd</sup> International Disaster and Risk Conference*, Davos, Switzerland, 25–29 August 2008.
58. *3<sup>rd</sup> Hellenic Conference on Earthquake Engineering & Engineering Seismology*, Athens, 5–8 November 2008.
59. *International Geo-Hazards research symposium*, Istanbul, 9–11 March 2009.
60. *12<sup>th</sup> International Congress of the Geological Society of Greece*, Patras, 19–21 May 2010.
61. *The Fifth International Workshop in Applied Probability*, 3–5 July 2010, Madrid, Spain.
62. *XIX Congress of the Carpathian Balkan Geological Association*, 23 – 26 September 2010, Thessaloniki, Greece.

63. *7<sup>th</sup> International Workshop on Statistical Seismology*, 25–27 May 2011, Greece–Thera (Santorini).
64. *EGU General Assembly*, Vienna, 22–27 April 2012.
65. *European Seismological Commission, 33<sup>rd</sup> General Assembly*, Moscow, 19–24 August 2012.
66. *International Earth Science Colloquium on the Aegean Region*, Izmir, 1–5 September 2012.
67. *EGU General Assembly*, Vienna, 8–13 April 2013.
68. *IAHS – IAPSO – IASPEI Joint Assembly*, Gothenburg, Sweden, 22–26 July 2013.
69. *13<sup>th</sup> International Congress of the Geological Society of Greece*, Chania, Crete, Sept. 5–8, 2013.
70. *Workshop Earthquake Early Warning System, Applications to the Ibero–Maghrebian region*, Madrid, Spain 4–5 February 2014.
71. *27<sup>th</sup> meeting of the Hellenic Statistical Institute*, Thessaloniki, 23–26 April, 2014.
72. *Second European Conference on Earthquake Engineering and Seismology*, Istanbul, August 25–29, 2014.
73. *EGU General Assembly*, Vienna, 13–17 April 2015.
74. *28<sup>th</sup> meeting of the Hellenic Statistical Institute*, Athens, 16–18 April, 2015.
75. *9<sup>th</sup> International Workshop on Statistical Seismology*, Potsdam, 14–18 June 2015.
76. *Sedimentary Basins*, Jena, 23–25 September 2015.
77. *29<sup>th</sup> meeting of the Hellenic Statistical Institute*, Thessaloniki–Naoussa, 4–7 May 2016.
78. *14<sup>th</sup> International Congress of the Geological Society of Greece*, Thessaloniki, 25–27 May 2016.
79. *35<sup>th</sup> General Assembly of the European Seismological Commission*, Trieste, 4–11 September 2016.
80. *31<sup>st</sup> meeting of the Hellenic Statistical Institute*, Lamia, Greece, 4–6 May 2018.
81. *10 years after the 2008 Movri Mtn M6.5 Earthquake; An earthquake increasing our knowledge for the deformation in a foreland area*, Patras, 13 June 2018.
82. *65<sup>th</sup> General Assembly of the European Seismological Commission*, Valletta, Malta, 2–7 September 2018.
83. *15<sup>th</sup> International Congress of the Geological Society of Greece*, Athens, Greece, 22–24 May 2019.
84. *The 5<sup>th</sup> International Conference “Trigger effects in Geosystems”*, Moscow, Russia, 4–7 June 2019.
85. *27<sup>th</sup> IUGG General Assembly*, Montreal, Canada, July 8–18, 2019.
86. *11<sup>th</sup> International Workshop on Statistical Seismology*, Hakone, Japan, 18–21 August 2019.
87. *Challenges in Applied Geology & Geophysics: 100<sup>th</sup> Anniversary of Applied Geology at AGH University of Science and Technology (CAGG–AGH–2019)*, Krakow, Poland, 10–13 September 2019.
88. *6<sup>th</sup> International Conference on Civil Protection & New Technologies: Safe Corfu 2019*, 6 – 9 November 2019, Corfu Island, Greece.

### Participation in Research Projects

1. Long-term earthquake prediction by seismicity methods, EPPO, 1985.



2. Microtremors study in the city of Kalamata, after the 1986 strong earthquake, EPPO, 1986.
3. Development of seismological networks – Interpretation of seismological data and seismicity and seismic hazard study in Kalamata (Peloponnese) area, EPPO, 1987.
4. Compilation of the seismic hazard map of Greece, EPPO, 1987.
5. Dependence of the strong ground motion by seismic source properties and propagation of seismic waves in the area of Greece, GSRT, 1988.
6. Seismic hazard study in the area of Hydroelectrical Station in Nestos (N. Greece), 1989.
7. 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.
8. Earthquake prediction studies in Greece and Italy (EPOC–CT91–0043), 1991.
9. A multidisciplinary study of precursory phenomena in the eastern part of central Greece (Thessalia), Scientifically responsible, 1993.
10. Seismological investigations in the territory of Greece with emphasis on the seismic source properties and propagation for the seismic hazard assessment, EPPO, 1990.
11. Geophysical prospecting along the construction of the New National Road near Katerini area (N. Greece), 1993.
12. Development of the National Seismological Network, EPPO, 1995.
13. Theoretical research in earthquake prediction and identification of zones of high seismic potential (EV5V–CT94–0443), 1995.
14. Seismological studies related to the seismicity of the Kozani–Grevena area, ANKO, 1995.
15. 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, EU–GSRT, 1995.
16. Study of the strong ground motion, EPOCH II, European Union.
17. Geophysical prospecting between the kilometer site of 45700 and 46900 of the 2<sup>nd</sup> branch of Thessaloniki–Katerini Road, Ministry of Public Works.
18. Seismicity study and seismic hazard assessment of the broader area of artificial lake Polifitou and the Ilarionas Dam, Public Power Corporation, 1996.
19. Seismicity and seismic hazard in the site of Hospital construction near the city of Serres, DEPANOM, 1997.
20. 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.
21. Seismicity and seismic hazard study in the area of Keramidi (Pieria – N. Greece), DEPANOM, 1997.
22. Seismotectonic study and time dependent seismicity in Greece and Italy, Scientifically responsible, GSRT, 1998.
23. Automatic determination in real time of earthquake epicenters and elaboration of seismic signals, Prefecture of Central Macedonia, 1998.
24. Testing and demonstration employment of an all–optical micro–seismic sensor network in a seismic active area, Scientifically responsible, EU, 1998.
25. Seismotectonics and time dependent seismicity studies in Greece and China, Scientifically responsible, GSRT, 1998.

26. Installation of a portable digital seismograph network – Continuous monitoring of seismicity and reporting to the region of central Macedonia, Scientifically responsible, Region of Central Macedonia and Municipality of Thessaloniki, 2001.
27. Study of the spatio–temporal behavior of seismicity in Greece and China, Scientifically responsible, GSRT, 2001.
28. Seismicity associated with the earthquake cycle, Scientifically responsible, GSRT, 2002.
29. Dynamic maps of potential earthquakes for Greece and Caucasus based on recent physical models, methods, and algorithms, 2002.
30. Coulomb stress changes and seismicity triggering in Greece and China, Scientifically responsible, GSRT, 2003.
31. Seismic hazard assessment in south Balkan area, GSRT, 2003.
32. Neotectonic – seismotectonic research on the Perama gold project area, Evros Prefecture, 2003.
33. Transtentional tectonics and seismic hazard in central Greece, Scientifically responsible, GSRT, 2004.
34. Seismotectonic and geodynamic properties of the south part of the Hellenic Arc, EPEAEK, Ministry of Education, 2004.
35. Seismicity study of Lefkada Island by the use of high–resolution digital data, Scientifically responsible, Union of Lefkada Municipalities, 2005.
36. Evolution of the stress and deformation in the broader area of Greece and strong earthquake generation: Contribution to the seismic hazard assessment, Scientifically responsible, GSRT, 2005.
37. Stress interaction between thrust and strike–slip faults and evolution of the regional seismicity, Scientifically responsible, GSRT, 2005.
38. Architecture and Tertiary until today structural evolution of the Xanthi–Komotini–Perama basin and its relationship to the orogenic development of the Hellenides and the active tectonics (Thrace – NE Greece), EPEAEK, Ministry of Education, 2005.
39. Seismogenesis and interactions between the earthquake sources in south Balkans, GSRT, 2005.
40. Time–varying non–parametric approach to seismic hazard assessment for natural seismicity in Greece and induced seismicity from mines in Poland, Scientifically responsible, GSRT, 2006.
41. Network development of seismological and geodetic observations in the region of Ionian Islands (Scientifically responsible), GSRT, 2006.
42. Continuous monitoring of seismic activity in Lefkas area, Scientifically responsible, Union of Lefkada Municipalities, 2009–2011.
43. Detailed seismicity monitoring for the study of the fractures in the area of Farsala–Karla, Earthquake Planning & Protection Organization, 2009–2011.
44. Students internship for the School of Geology, Aristotle University of Thessaloniki, Scientifically Responsible, Ministry of Education, 2010.
45. Stochastic models in earthquake prediction, Herakleitos II: Project granted for students to perform PhD thesis completion, Ministry of Education, 2010.
46. Study of seismicity properties based on the interaction and evolution of active fault systems in the Aegean and its surroundings, Herakleitos II: Project granted for students

- to perform PhD thesis completion, Scientifically Responsible, Ministry of Education, 2010.
47. Seismotectonic properties of the Eastern Aegean: Implications on the stress field evolution and seismic hazard assessment in a tectonically complex area, General Secretariat of Science & Technology of Greece, Scientifically Responsible, 2011.
  48. Integrated understanding of Seismicity, using innovative Methodologies of Fracture mechanics along with Earthquake and non extensive statistical physics – Application to the geodynamic system of the Hellenic Arc, SEISMO FEAR HELLARC, 2012.
  49. Multi-Parametric Network for the Study and Monitoring of Natural Hazards in the Otranto Channel and the Ionian Sea, Seismological Network of Lefkada Island, Scientifically Responsible, Interreg, 2012.
  50. Multi-Parametric Network for the Study and Monitoring of Natural Hazards in the Otranto Channel and the Ionian Sea, Seismological Network of Kefalonia Island, Interreg, 2012.
  51. Seismicity investigation of the borader area of Agiokampos dam, 2013.
  52. Συμμετοχή του ΑΠΘ στην ΒΕΛΤΙΩΣΗ & ΕΝΙΣΧΥΣΗ ΤΩΝ ΥΠΑΡΧΟΝΤΩΝ ΔΙΚΤΥΩΝ ΠΑΡΑΚΟΛΟΥΘΗΣΗΣ, ΕΣΠΑ, 2017.
  53. Maintenance and Improvement of the seismological network of the Ionian Islands Union of Municipalities, 2018.
  54. Telemachus-Innovative Operational Seismic Risk Management System in the Region of Ionian Islands, Regional Operational Programme Ionian Islands 2014–2020, 2018.
  55. Development and application of time-dependent stochastic models in selected regions of Greece for assessing the seismic hazard, European Union and Greece (Partnership Agreement for the Development Framework 2014-2020), Scientifically Responsible, 2018.
  56. Kinematic properties, active deformation and stochastic modeling of the seismogenesis in the Kefalonia – Lefkada Transform Zone, 2019.
  57. Maintenance and Improvement of the seismological network of the Ionian Islands Union of Municipalities, 2019.
  58. Maintenance and Improvement of the seismological network of the Ionian Islands Union of Municipalities, 2020.
  59. Ground vibrations measuerements in Thessaloniki International Airport, 2020.
  60. Maintenance and Improvement of the seismological network of the Ionian Islands Union of Municipalities, 2021.

### **Publications:**

1. Papadimitriou, E. E. Contribution to the study of the long-term earthquake prediction in the area of Greece. *Ph. D. Thesis, University of Thessaloniki*, pp. 218, 1984.
2. Papazachos, B. C. and Papadimitriou, E. E. Seismicity regularities in Greece as premonitory patterns. *International Symposium on Continental Seismicity and Earthquake Prediction, September 1982, Beijing, China*, 191–197, 1982.
3. 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, 537–544, 1984.

4. Papadimitriou, E. E., Karakostas, B. G., Karakaisis, G. F. and Papazachos, B. C. Earthquake prediction and related studies in the area of Greece. *"Earthquakes and Structures, Athens, 20–24 February 1984"* 275–295.
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