

CURRICULUM VITAE

GENERAL INFORMATION

NAME : KARAGIANNI ELENI
DATE OF BIRTH : 1971, March 15st
PLACE OF BIRTH : LAMIA
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STUDIES - CAREER

1988-1994 Diploma in Geology, Department of Geology, School of Sciences, Aristotle University of Thessaloniki.
1995-1997 MSc degree in Geophysics, Geophysical Laboratory, Department of Geology, Aristotle University of Thessaloniki.
Title of MSc thesis: "Shallow crustal structure of the Mygdonian basin (Northern Greece) from inversion of Rayleigh waves"
1997-2002 PhD in Seismology, Geophysical Laboratory, Department of Geology, Aristotle University of Thessaloniki.
Title of PhD thesis: "Crustal structure of the Greek territory from Rayleigh wave dispersion curves using the inversion method"
2002 – 2006 Working as a freelance geologist-geophysicist with main activity the geological, geophysical and seismological research.
2006 – today Permanent staff position (Laboratory Teaching Staff) at the Seismological Station in the Aristotle University of Thessaloniki .

SCHOLARSHIPS - AWARDS

1995-1999 Scholarship granted by the State Scholarships Foundation (I.K.Y) for postgraduate studies. Geophysical Laboratory, University of Thessaloniki, Greece.
Nov 1996 Scholarship for the '3rd Workshop on Three Dimensional Modelling of Seismic Waves Generation Propagation and their Inversion'

- International Centre of Theoretical Physics, Trieste, Italy.
- 1998-1999 Visiting as a PhD student using the ERASMUS/SOCRATES-FREE MOVER in the University of Trieste – Italy, (Department Di Scienze Della Terra Universita' Degli Di Trieste)
- Oct 2000 Scholarship for the '3rd Workshop on Three Dimensional Modelling of Seismic Waves Generation Propagation and their Inversion' International Centre of Theoretical Physics, Trieste, Italy.
- 1/1/2003-31/12/2003 Scholarship granted by the Research Committee of AUTH, for post doctora research.

FIELD WORK EXPERIENCE

Several field experiments on Seismology and Applied Geophysics concerning seismotectonic studies, studies of earthquake sequences, geophysical prospecting using seismic methods (crosshole-downhole) electrical methods (Schlumberger, pole-dipole), and archaeometry.

Installation and monitoring of networks of analog and digital portable seismological stations deployed to study the seismotectonic properties and the evolution of seismic sequences.

Participate at the analysis of the recordings of the permanent telemetry network of the central Seismological Station of Thessaloniki for 7-day and weekly periods (In duty for the daily monitoring of the seismicity, earthquake location and magnitude estimation). Contact with the public, state and press. Daily routine check for the proper operation of the recording and digitizing system.

RESEARCH ACTIVITIES

a) Crustal and upper mantle structure (mainly tomographic) studies using surface waves b) Active crustal deformation studies. c) Seismotectonics of the broader area of Greece and studies of seismic sequences. d) Study of the crustal and upper mantle using ambient noise e) Study of the Lithosphere using teleseismic earthquakes with the Receiver Function method.

Member of many Greek and international seismological-geophysical unions (e.g. GEOT.E.E, EGE, EGU).

RECENT RESEARCH PROJECTS

I have participated in more than 30 projects of seismology and applied geophysics.

PUBLICATIONS

- **Karagianni, E.E.**, Panagiotopoulos, D.G., Papazachos, C.B. and Burton P.W. (1998). *A Study of shallow crustal structure in the Mygdonian Basin (N.Greece) based on the dispersion curves of Rayleigh waves*. Journal of the Balkan Geophysical Society, Vol. 2, No 1, p. 3-14, 1999.
- Tiberi, C., Lyon-Caen, H., Hatzfeld, D., Ulrich, A., **Karagianni, A.** Kiratzi, Louvari, E., Panagiotopoulos, D., Kassaras, I., Kaviris, I., Makropoulos, K., and Papadimitriou P. *Crustal and upper mantle structure beneath the Corinth rift (Greece) from teleseismic tomography study*. Journal of Geophysical Research, Vol. 105, No. B12, p. 28.159-28.171, 2000.
- Hatzfeld D, **Karagianni E.**, Kassaras I, Kiratzi A., Louvari E., Lyon-Caen H., Makropoulos K., Papadimitriou P., Priestley K., Actar M., Bock G. *Shear wave Anisotropy in the upper*

mantle beneath the Aegean related to internal deformation. Journal of Geophys. Res. Vol. 106, No. B12, p. 30,737. 2001.

- **E.E.Karagianni**, D.G.Panagiotopoulos, G.F.Panza, P.Suhadolc, C.B.Papazachos, B.C.Papazachos, A.Kiratzis, D.Hatzfeld, K.Makropoulos, K.Priestley, A.Vuan. *Rayleigh Wave Group Velocity Tomography in the Aegean area.* Tectonophysics, 358, 187-209, 2002.
- Vamvakaris, D.A., Papazachos, C.B, Savvaidis, P.D., Tziavos, I.N., **Karagianni, E.E.**, Skordilis, E.M. and Hatzidimitriou, P.M., "*Stress-field and time-variation of active crustal deformation in the Mygdonia basin based on the joined interpretation of seismological, neotectonic and geodetic data*". Geophysical Research Abstracts, Vol. 5, 08794, 2003.
- Vamvakaris, D. A., Papazachos, C. B., **Karagianni, E. E.**, Scordilis E. M. and P. M. Hatzidimitriou "*Determination of fault plane solutions using waveform amplitudes and radiation pattern in the Mygdonia basin (N. Greece)*", Bulletin of the Geological Society of Greece, vol. XXXVI/3, p. 1529-1538, 2004.
- Papazachos, C., Mountrakis, D., **Karagianni, E.**, Tranos, M. and Vamvakaris, D., "*Stress-field and active tectonics in Northern Greece using seismological and neotectonic information.*", Bulletin of the Geological Society of Greece, vol. XXXVI, 2004.
- **E.E.Karagianni**, C.B.Papazachos, D.G.Panagiotopoulos, P.Suhadolc, A.Vuan G.F.Panza. *Shear velocity structure in the Aegean area obtained by inversion of Rayleigh waves.* Geophysical Journal International, 160, 127-143, 2005.
- I.M. Dimitriadis, D.G. Panagiotopoulos, C.B. Papazachos, P.M. Hatzidimitriou, **E.E. Karagianni** and I. Kane. *Recent Seismic Activity (1994-2002) of the Santorini Volcano Using Data From Local Seismological Network.* Has been published at the Developments in Volcanology 7 'The South Aegean Active Volcanic Arc: Present Knowledge and Future Perspectives' 185-203, 2005.
- Vamvakaris, D. A., Papazachos, C. B., **Karagianni, E. E.**, Scordilis E. M. and P. M. Hatzidimitriou. *Small-scale spatial variations 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, 2006.
- Mountrakis, D., Tranos, M., Papazachos, C., Thomaidou, E. **Karagianni, E.** and Vamvakaris, D. *Neotectonic and seismological data concerning the main active faults and stress regimes of Northern Greece.* Geological Society of London, Special Publications, 2006, v. 260; p.649-670.
- **E.E.Karagianni**, C.B.Papazachos. *Shear velocity structure in the Aegean area obtained by joint inversion of Rayleigh and Love waves.* Geological Society, London, Special Publications 2007, v.291; p.159-181.
- I.M. Dimitriadis, **E.E.Karagianni**, D.G.Panagiotopoulos, C.B.Papazachos, P.M.Hatzidimitriou, M.Bohnhoff, M. Rische, T. Meier. *Seismicity and active tectonics at Coloumbo Reef (Aegean Sea, Greece): Monitoring an active volcano at Santorini Volcanic Center using a temporary seismic network".* Tectonophysics, 1-4, 136-149, 2009.
- Grad, M., Tiira, T., and ESC group. *European plate Moho depth map.* ESC Moho Working Group comprises: M. Behm, A.A. Belinsky, D.C. Booth, E.Brückl, R. Cassinis, R.A. Chadwick, W. Czuba, A.V. Egorkin, R.W. England, Yu.M.Erinchek, G.R. Fougler, E. Gaczyński, A. Gosar, M. Grad, A. Guterch, E. Hegedûs, P.Hrubcová, T. Janik,W. Jokat, **E.E. Karagianni**, G.R. Keller, A. Kelly, K. Komminaho, T. Korja, J. Kortström, S.L. Kostyuchenko, E. Kozlovskaya, G. Laske, L. Lenkey, U., Luosto, P.K.H. Maguire, M. Majdański, M. Malinowski, F. Marone, J. Mechie, E.D. Milshtein, G. Motuza, S. Nikolova, S. Olsson, M. Pasyanos, O.V. Petrov, V.E.

Rakitov, R. Raykova, O. Ritzmann, R. Roberts, M. Sachpazi, I.A. Sanina, M.C. Schmidt-Aursch, I. Serrano, A. ©πιεάκ, P. ̇eroda, F. ©umanovac, B. Taylor, T. Tiira, A.G. Vedrentsev, J. Vozár, Z. Weber, M. Wilde-Piórko, T.P. Yegorova, J. Yliniemi, B. Zelt, E.E. Zolotov. *Geophysical Journal International*, 176, 279-292., 2009.

- Tranos M.D., Mountrakis D.M., Papazachos, C.B., **Karagianni, E.**, Vamvakaris, D. *Faulting deformation of the Mesohellenic Trough in the Kastoria-Nestorion region (Western Macedonia, Greece)*. *Bull. Geol. Soc. Greece*, 43, 1, 495-505, 2009.
- Newman, A. V., S. Stiros, L. Feng, P. Psimoulis, F. Moschas, V. Saltogianni, Y. Jiang, C. Papazachos, D. Panagiotopoulos, **E. Karagianni**, D. Vamvakaris. *Recent Geodetic Unrest at Santorini Caldera, Greece*, *Geophys. Res. Lett.*, Vol 39, L06309, 5 PP., doi:10.1029/2012GL051286, 2012.
- Karakostas, V., **Karagianni, E.**, Paradisopoulou, P. *Space-time Analysis, faulting and triggering of the 2010 earthquake doublet in western Corinth Gulf*. *Natural Hazard*, doi:10.1007/s1 1069-012-0219-0, 2012.
- Gwenaelle Salaun, Helle A. Pedersen, Anne Paul, V´eronique Farra, Hayrullah Karabulut, Denis Hatzfeld, Costas Papazachos, Dean M. Childs, Catherine Pequegnat, T. Afacan, M. Aktar, E. Bourova-Flin, D. Cambaz, P. Hatzidimitriou, F. Hubans de ,D. Kementzetzidou, **E. Karagianni**, I. Karagianni, A. Komec Mutlu, L. Dimitrova, Y. Ozakin,, S. Roussel, M. Scordilis, D. Vamvakaris. *High-resolution surface wave tomography beneath the Aegean-Anatolia region: constraints on upper-mantle structure*. *Geophysical Journal International*, Vol 190, Issue 1, p. 406-420, doi: 10.1111, 2012.
- Tassi, F., O. Vaselli, C. B. Papazachos, L. Giannini, G. Chiodini, G. E. Vougioukalakis, **E. Karagianni**, D. Vamvakaris, and D. Panagiotopoulos, *Geochemical and isotopic changes in the fumarolic and submerged gas discharges during the 2011-2012 unrest at Santorini caldera (Greece)*. *Bulletin of Volcanology* 75 (4) , pp. 1-15, 2013.
- **Karagianni, E.**, Paradisopoulou, P. and Karakostas, V. *Spatio-temporal earthquake clustering in the western Corinth Gulf*. *Bulletin Geological Society Greece*, XLVII, 2013.
- Karakostas, V., Papazachos, K., Papadimitriou, E., Foumelis, M., Kiratzi, A., Pikridas, Ch., Kostoglou, An., Kkallas, Ch., Chatzis, N., Bitharis, St., Chatzipetros, Al., Fotiou, Ar., Ventouzi, Ch., **Karagianni, E.**, Bonatis, P., Kourouklas, Ch., Paradisopoulou, P., Scordilis, Em., Vamvakaris, D., Grendas, I., Kementzetzidou, D., Panou, A., Karakaisis, G., Karagianni, I., Hatzidimitriou, P. and Galanis, Od. The March 2021 Tyrnavos, central Greece, doublet ($M_w6.3$ and $M_w6.0$): Aftershock relocation, faulting details, coseismic slip and deformation. *BGS*, Vol. 58, pp. 131-178, <http://dx.doi.org/10.12681/bgs.27237>, 2021.
- Paradisopoulou, P., **Karagianni, E.**, Galanis, O., Karagianni, I., Panou, A., Vamvakaris, D., Kementzetzidou, D., Karakostas, V., Papadimitriou, E.E. Cascading occurrence of moderate magnitude seismicity in the active fault system of Thiva (central Greece). *EGU 2023*
- Papadimitriou E., Karakostas V., Papazachos C., Foumelis M., Kiratzi A., Pikridas Ch., Bonatis P., Kostoglou A., Kourouklas Ch., Scordilis E., Bitharis S., Paradisopoulou P., Panou A., Galanis O., **Karagianni E.**, Vamvakaris D., Karagianni I., Kkallas Ch., Chatzis N., Chatzipetros A., Fotiou A., Ventouzi Ch., Grendas I., Kementzetzidou D., K., Hatzidimitriou P. The seismogenic structure of March 2021 Tyrnavos (central Greece) doublet ($M_w6.3$ and $M_w6.0$), constrained by aftershock locations and geodetic data, *Geophysical Journal International*, 2023.
- **Karagianni E.** Eleni, Tiberi Christel, Gesret. Crustal and upper mantle structure beneath Corinth rift. Held a poster presentation at the 28th General Assembly of the International of Geodesy and Geophysics, held in Berlin, Germany, 11-20 July 2023.

CONFERENCE PRESENTATIONS – LECTURES - ABSTRACTS

- Panagiotopoulos, G., Stavrakakis, G., Makropoulos, K., Papazastasiou, D., Papazachos, C. B., Savvaidis, A. and **Karagianni, E.** *Seismic monitoring at the Santorini volcano, 2nd Workshop on the European Laboratory Volcanoes*. Santorini, 2-4 May, 1996.
- Tiberi, C., Lyon-Caen, H., Hatzfeld, D., Louvari, E., **Karagianni, E.**, Kiratzi, A., Panagiotopoulos, D., Kaviris, I., Makropoulos, K., and Papadimitriou P. (1997). *Preliminary Lithospheric Structure Beneath the Corinth and Evia Rift System (GREECE) from the Teleseismic Travel Time Residuals*. 'The 29th General Assembly of the International Association of Seismology and Physics of the Earth's Interior (IASPEI), 18-28 August 1997, Thessaloniki, Greece.
- **Karagianni, E.E.**, Panagiotopoulos, D.G., Papazachos, C.B. and Burton P.W. (1998). *A Study of shallow crustal structure in the Mygdonian Basin (N.Greece) based on the dispersion curves of Rayleigh waves*. 8th International Congress of the Geological Society of Greece, Patra, Greece, *Geological Society of Greece*.
- Hatzfeld D, **Karagianni E.**, Kassaras I, Kiratzi A., Louvari E., Lyon-Caen H., Makropoulos K., Papadimitriou P., Priestley K., Actar M., Bock G. *Shear wave Anisotropy in the upper mantle beneath the Aegean*. EGS, HAGUE, 1999, Vol. 1, No 1, p. 80.
- Panagiotopoulos, D., Papadimitriou, E., Chatzidimitriou, P., Kiratzi, A., Tsapanos, T., Karagianni, E., Louvari, E., and Papazachos B. Parameters of the Seismic sequence determining their evolution. Athens, 1999.
- **E.E.Karagianni**, D.G.Panagiotopoulos, G.F.Panza, P.Suhadolc, C.B.Papazachos, B.C.Papazachos, A.Kiratzi, D.Hatzfeld, K.Makropoulos, K.Priestley, A.Vuan. *Rayleigh Wave Group Velocity Tomography in the Aegean area*. EGS, Nice France 2000.
- **E.E.Karagianni**, C.B.Papazachos, D.G.Panagiotopoulos, P.Suhadolc, A.Vuan G.F.Panza. *3D-Shear velocity structure in the Aegean area obtained by inversion of Rayleigh waves*. Presented at the EGS-AGU-EUG meeting Nice-France, 2003, as well as at the 32^o conference of IASPEI, Sapporo, Japan, 30 June to 11 July 2003.
- I.M. Dimitriadis, **E.E. Karagianni**, D.G. Panagiotopoulos, C.B. Papazachos and P.M. Hatzidimitriou. *"Recent Seismic Activity (1994-2002) of the Santorini Volcano Using Data from Local Seismological Network"*. Presented in the international conference: The South Aegean Active Volcanic Arc: Present Knowledge and Future Perspectives (SAAVA 2003), Milos Conference Center, Milos Island, Greece, 17-20 September 2003.
- Vamvakaris D.A., Papazachos C.B., Savvaidis P.D., Tziavos I.N., **Karagianni E.E.**, Skordilis E.M., and Hatzidimitriou P.M. *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 Nice, France, April 2003.
- Dimitriadis, I.M., **Karagianni, E.E.**, Panagiotopoulos, D.G., Papazachos, C.B. and Hatzidimitriou, P.M. *Preliminary Analysis of Seismological Data from Portable Broadband Seismic Array installed on Santorini Islands*, 5th International Symposium on Eastern Mediterranean Geology (5th ISEMG), Thessaloniki, Greece, 14-20 April 2004.
- **E.E.Karagianni**, C.B.Papazachos. *Shear wave velocity structure beneath the Aegean area obtained from a joint inversion of Rayleigh and Love waves*. Presented in the XXIX General Assembly of the European Seismological Commission (ESC 2004), Neues Palais, Potsdam, Germany, 12-17 September 2004.
- I.M. Dimitriadis, **E.E. Karagianni**, D.G. Panagiotopoulos, C.B. Papazachos and P.M. Hatzidimitriou. *The recent seismo-volcanic activity at the Santorini volcanic center*.

Presented in the XXIX General Assembly of the European Seismological Commission (ESC 2004), Neues Palais, Potsdam, Germany, 12-17 September 2004.

- Vamvakaris, D. A., Papazachos, C. B., **Karagianni, E. E.**, Scordilis E. M. and P. M. Hatzidimitriou *“Determination of fault plane solutions using waveform amplitudes and radiation pattern in the Mydgonia basin (N. Greece)”*, Presented in the “10th International Congress of the Geological Society of Greece”, Thessaloniki., 2004.
- Papazachos, C., Mountrakis, D., **Karagianni, E.**, Tranos, M. and Vamvakaris, D., *“Stress-field and active tectonics in Northern Greece using seismological and neotectonic information.”*, Presented in the “10th International Congress of the Geological Society of Greece, Thessaloniki” ., 2004
- **Karagianni E.E.** & Papazachos C.B. *New results for the S-wave structure of the Aegean area using Rayleigh and Love wave group velocity inversion and comparison with independent 3-d travel time velocity models: Do the models match?* Presented at the Congress of European Geophysical Society (EGS), Vienna, 24-29 April 2005.
- Vamvakaris, D. A., Papazachos, C. B., **Karagianni, E. E.**, Scordilis E. M. and P. M. Hatzidimitriou. *Small-scale spatial variations of the stress-field in the back-arc Aegean area: Results from the seismotectonic study of the broader area of Mydgonia basin (N. Greece)*. Geophysical Research Abstracts, Vol. 7, 06597, Presented in General Assembly of the EGU, Vienna, Austria, 2005.
- Papazachos, C.B., **Karagianni, E.E.**, Vamvakaris, D.A. *“Determination of active stress field in Western Macedonia using seismological data, related with the active tectonics”*. (in greek) Presented in the Congress “The 1995 earthquake of Grevena – Kozani. 10 years after”. Grevena – Greece, 2005
- Sarris A., Kouriati K., Kokkinou E., Aidona E., **Karagianni E.**, Vargemezis G., Stamatis G., Elvanidon M., Katifori E., Kaskanioti M [†], Soetens S., Kalpaxis Th., Bassiatos Y., Athanassas C., Hayden B., Brennan T. *A multi-disciplinary Approach to Industrial Sites of the Vrokastro Region of Mirabello Eastern Crete*. International Conference Computer Applications in Archaeology "The World in your Eyes", Tomar, Portugal, March 21-24, 2005.
- C. B. Papazachos, **E. E. Karagianni**. *Creating a Moho depth model for the broader Aegean area using results from various geophysical studies: Problems and implications for active tectonics*. Presented in the European Geosciences Union General Assembly 2006, Vienna, Austria, 2-7 April 2006.
- Paul, A., Hatzfeld, D., Karabulut, H., Hatzidimitriou, P., Childs, D., Nikolova, S., Piquegnat, C., Hubans, F., Schmid, A., Aktar, M., Mutlu, A., Afağan, T., Ozakin, Y., Samut, D., Papazachos, C., Karagianni, I., Kementztzidou, D., **Karagianni, E.**, Roumeloti, Z., Vamvakaris, D., Scordilis, E., and H. Lyon-Caen. *“The SIMBAAD Experiment in W-Turkey and Greece: A Dense Seismic Network to Study the Crustal and Mantle Structures”*. Presented in “The A.G.U. Fall meeting”, San Francisco - USA, December 2008.
- Paul, A., Hatzfeld, D., Karabulut, H., Hatzidimitriou, P., Childs, D., Nikolova, S., Piquegnat, C., Hubans, F., Schmid, A., Aktar, M., Mutlu, A., Afağan, T., Ozakin, Y., Samut, D., Papazachos, C., Karagianni, I., Kementztzidou, D., **Karagianni, E.**, Roumeloti, Z., Vamvakaris, D., Scordilis, E., and H. Lyon-Caen. *“The SIMBAAD Experiment in W-Turkey and Greece: A Dense Seismic Network to Study the Crustal and Mantle Structures”*. Presented in “The 35th General Assembly of the IASPEI”, Cape Town – South Africa, January 2009.
- Hubans, F., A. Paul, M. Campillo, H. Karabulut, P. Hatzidimitriou, T. Afacan, M. Aktar, K. Bourova-Flin, D.M. Childs, L. Dimitrova, D. Hatzfeld, **E. Karagianni**, I. Karagianni, D.

Kementzetzidou, A. Komec Mutlu, Y. Ozakin, C. Papazachos, C. Pequegnat, S. Roussel, G. Salaun, D. Samut, M. Scordilis and D. Vamvakaris. *Crustal tomography of the Aegean-Anatolian domain using noise cross-correlations*, Presented in "EGU General Assembly", Vienna, Austria, 2-7 May 2010.

- Salaun, G., A. Paul, H. Pedersen, H. Karabulut, P. Hatzidimitriou, V. Farra, T. Afacan, M. Aktar, K. Bourova-Flin, D.M. Childs, L. Dimitrova, D. Hatzfeld, **E. Karagianni**, I. Karagianni, D. Kementzetzidou, A. Komec Mutlu, Y. Ozakin, C. Papazachos, C. Pequegnat, S. Roussel, G. Salaun, D. Samut, M. Scordilis and D. Vamvakaris. *A low-velocity mantle beneath SW Anatolia imaged from surface waves : hint of a wide slab tear?* Presented in "EGU General Assembly", Vienna, Austria, 2-7 May 2010.
- Paul, A., W. Ben Mansour, D. Hatzfeld, H. Karabulut, D. M. Childs, C. Pequegnat, P. Hatzidimitriou, T. Afacan, M. Aktar, K. Bourova-Flin, L. Dimitrova, D. Hatzfeld, **E. Karagianni**, I. Karagianni, D. Kementzetzidou, A. Komec Mutlu, Y. Ozakin, C. Papazachos, C. Pequegnat, S. Roussel, G. Salaun, D. Samut, M. Scordilis and D. Vamvakaris. *Mantle flow in the Aegea-Anatolia region imaged by SKS splitting measurements*, Presented in "EGU General Assembly", Vienna, Austria, 2-7 May 2010.
- Papazachos, C.B., D. Panagiotopoulos, A.V. Newman, S. Stiros, G. Vougioukalakis, M. Fytikas, T. Laopoulos, K. Albanakis, D. Vamvakaris, **E. Karagianni**, L. Feng, P. Psimoulis, and F. Moschas *Quantifying the current unrest of the Santorini volcano: Evidence from a multiparametric dataset, involving seismological, geodetic, geochemical and other geophysical data*, Presented in "The General Assembly of the EGU 2012", Vienna - Austria, Geophysical Research Abstracts Vol. 14, EGU2012-14405, 2012.
- Papazachos, K., Panagiotopoulos, D., **Karagianni, E.**, Vamvakaris, D., Albanakis, K., Laopoulos, T., Fytikas, M. *The evolution of the 2011-2012 Santorini volcanic unrest as revealed by seismicity*, Presented in "Volcanism in the Southern Aegean in the Frame of the Broader Mediterranean Area (VOLSAM 2012)". October 10-12, Santorini, Greece, (2012).

CONFERENCES – CONGRESSES ATTENDED

- First Congress of the Balkan Geophysical Society, Athens, 23-27 September 1996.
- 'Third Workshop on Three Dimensional Modeling of Seismic Waves Generation Propagation and Their Inversion' Trieste, Italy Nov. 1996.
- The 29th General Assembly of the International Association of Seismology and Physics of the Earth's Interior (IASPEI), organized by Geophysical Laboratory of Aristotle University Thessaloniki, held in Thessaloniki - Greece, 18-28 August, 1997.
- SERINA- Seismic Risk: An Integrated Seismological, Geotechnical and Structural Approach, organized by ITSAK (Institute of Engineering Seismology and Earthquake Engineering) held in Thessaloniki-Greece, September 21-27, 1997.
- "8th International Congress of the Geological Society of Greece, Patra, Greece, *Geological Society of Greece*.
- "Seismotectonic and Microzonation Techniques in Earthquake Engineering: Integrated Training in Earthquake Risk Reduction Practice", held in Kefalonia Island, organized by Seismology Laboratory, Department of Geology, University of Athens, Sept. 1999
- 25th Conference of the European Geophysical Union, Nice, France, 25-29 April 2000.
- XXIX General Assembly European Seismological Commission, Potsdam, Germany, 12-17 September 2004.

- “Earthquakes and Protection. Results of Research Projects.” Earthquake Planning and Protection Organisation (OASP), Thessaloniki 2007.
- Sustainable Management of Water Resources by Automated Real – Time Monitoring, organized by the Department of Geophysics, School of Geology, AUTH, June 2007.
- Seismic adequacy of monuments, carried out in Thessaloniki by the Organization for Earthquake Planning & Protection "OASP" on 3-5 November 2011.

TECHNICAL REPORTS

- Scordilis, E., Voidomatis, F., Delimpasis, N., Stavrakakis, G., Papanastasiou, D., Karakaisis, G., Panagiotopoulos, D., Papadimitriou, E., Tsapanos, T., **Karagianni, E.**, Mpaka, A., Drakopoulos, I., and Papazachos, B. ‘Microseismicity of the Heraklion (Crete), *Report 16/1995, Geophysical Lab., Aristotle University of Thessaloniki*’, 240-254, 1995.
- Mountrakis, D., Papazachos, C., Kiliadis, A., Tranos, M., **Karagianni, E.**, Vamvakaris, D., Thomaidou, E., Karakaisis, G., Scordilis, E., Chatzidimitriou, P., Papadimitriou, E., Vargemezis, G., Aidona, E., and A., Skarlatoudis. “Determination of the settings and the seismotectonic behavior of the main seismic-active faults of Northern Greece area using neotectonic and seismological data”. *Earthquake Planning and Protection Organisation (OASP), 179 pages and one Appendix, (in greek), 2003.*
- Papazachos, C., Savvaidis, P., Tziavos, I., **Karagianni, E.** Vamvakaris, D., Yfantis, I., Moschidou, P., Papadimitriou, E, and A., Skarlatoudis. “Study of the seismic zones potential of the broader metropolitan area of Thessaloniki (Greece) by the use of seismic and geodetic data”. *Earthquake Planning and Protection Organisation (OASP), 94 pages and one Appendix, (in greek), 2003.*

TEACHING EXPERIENCE

1995-2000	Participation to the practical lesson “field exercises” for the students of the 6 th semester of the Department of Geology (Aristotle University of Thessaloniki), which involved practicing students in collecting and interpreting geophysical data (seismic, electric, magnetic, VLF and microtremors).
1995-2010	Participation in the educational program of the Department of Geology (Aristotle University of Thessaloniki) by assisting the faculty members in teaching of the students: Teaching of the practical exercise lessons: “Introduction to Geophysics” “Introduction to Seismology”, “Physics of the Lithosphere”, “Seismic methods of Geophysical Prospectings”.
2009 – 2016	Participation in the educational program of the Department of Physics (Aristotle University of Thessaloniki) by assisting the faculty members in teaching of the students: Teaching of the practical exercise lesson: “Geophysics and Seismology”.
2016-2021	Participation in the educational program of the Department of Geology (Aristotle University of Thessaloniki) by assisting the faculty members in teaching of the students: Teaching of the practical exercise lessons: “Introduction to Geophysics” “Physics of the Lithosphere”.

LANGUAGES – COMPUTER KNOWLEDGE

- Greek (mother language)
- Diploma in English language good level (Lower First Certificate in English)
- Programming language FORTRAN, PYTHON, UNIX.
- I'm acquainted with computer environments as
 - MS Windows
 - Unix
- Practice with programs for Geographical Information Systems (G.I.S.)
- Use of several specialized geological and seismological software
- Use of numerous computer software concerning