CURRICULUM VITAE

Name:	Chrisanthi A. Ventouzi
Nationality:	Greek
Born:	15 September 1979
Place of birth:	Thessaloniki
Address:	Afxentiou 10, Polichni, P. C. 56533, Thessaloniki
E-mail:	xrusven@geo.auth.gr
Telephone:	+30 6944899436, +30 2314035152

Profession: **Laboratory Teaching Staff, School of Geology, A.U.Th.**
Laboratory Teaching Staff. School of Geology (22/4/2019-today)
Scientific Staff (Geologist) at A.U.Th. (1/3/2018-22/4/2019)
Secondment to Seismological Station of A.U.Th. as Scientific Staff (Geologist) (2013-2016)
Scientific Staff (Geologist) at Institute of Geodynamics, National Observatory of Athens

Education: Ph. D. in Seismology, Aristotle University of Thessaloniki, Faculty of Science-School of Geology-Department of Geophysics (2017)
M. Sc. In Geophysics– Aristotle University of Thessaloniki, Faculty of Science-School of Geology-Department of Geophysics (2005)
B. S. in Geology Aristotle University of Thessaloniki, Faculty of Science-School of Geology-Department of Geophysics (2002)

Languages: English (Excellent)
Italian (Very well)

Field experience: Participation in numerous field experiments concerning geophysical and seismological studies

Member: Geotechnical Chamber of Greece
Hellenic Association of Geologists

Research activities

1. Ph. D. Thesis 'Study of the 3D attenuation structure of seismic waves in the Aegean area'
2. Master Thesis : 'Seismotectonic study of the Eastern Aegean Islands'
3. Graduate Diploma Thesis: 'Study of the models of seismicity in Indonesia'
4. Earthquake analysis and processing using various earthquake processing software
5. Study of Induced Seismicity
6. Determination of focal parameters of earthquakes using macroseismic observations
7. Seismotectonic properties of SW Bulgaria
8. Studies of seismic sequences
9. Stress evolution by the use of Coulomb Failure Function changes
10. 'Properties of the crust and mantle and their confluence in geodynamics' in the framework of the course "Geophysical issues"
11. 'Variations of the magnetic field of the earth –Magnitudes in magnetic loggings' in the framework of the course "Gravitational and magnetic methods in geophysical loggings"
12. 'Seismic moment tensor–Determination of faulting orientation' in the framework of the course "Applied seismology and environment"

Publications

Doctoral Thesis

1. Ventouzi Ch., Study of the 3D attenuation structure of seismic waves in the Aegean area

Journal Articles

1. Skarlatoudis, A. A., C. B. Papazachos, B. N. Margaris, C. Papaioannou, Ch. Ventouzi, D. Vamvakaris, A. Bruestle, T. Meier, W. Friederich, G. Stavrakakis, T. Taymaz, R. Kind, A. Vafidis, T. Dahm & the EGELADOS group (2009). Combination of acceleration and broadband velocity sensor recordings for attenuation studies: The case of the January 8, 2006 Kythera intermediate-depth earthquake, *Bull. Seismol. Soc. Am.* **99**, 694-704.
2. Boore D. M., A.A. Skarlatoudis, B. N. Margaris, C. B. Papazachos and Ch. Ventouzi, (2009). Along-Arc and Back-Arc Attenuation and Source Spectrum for the Intermediate-Depth 18 January, 2006, M 6.7 Kythera, Greece, Earthquake, *Bull. Seism. Soc. Am.*, **99**, 2410-2434.
3. Skarlatoudis A.A., C.B. Papazachos, B.N. Margaris, Ch. Ventouzi, I. Kalogeras and the EGELADOS group, (2013). Ground motion prediction equations of intermediate-depth earthquakes in the Hellenic arc, southern Aegean subduction area, *Bull. Seism. Soc. Am.*, **103**, 1952-1968.
4. Ch. Kkallas, C. B. Papazachos, B. N. Margaris, D. Boore, Ch. Ventouzi, A. Skarlatoudis, (2018). Stochastic Strong Ground Motion Simulation of the Southern Aegean Sea Benioff Zone Intermediate-Depth Earthquakes, *Bull. Seism. Soc. Am.* **108** (2), 946–965. Doi: https://doi.org/10.1785/0120170047
5. Kkallas, C., Papazachos, C. B., Boore, D., Ventouzi, Ch., Margaris, B.N., (2018). Historical intermediate-depth earthquakes in the southern Aegean Sea Benioff zone: modeling their anomalous macroseismic patterns with stochastic ground-motion simulations, *Bull Earthquake Eng*., https://doi.org/10.1007/s10518-018-0342-8
6. Ventouzi, Ch. Papazachos C., Hatzidimitriou, P., Papaioannou, Ch. And the EGELADOS working group, (2018). Anelastic P- and S- upper mantle attenuation tomography of the southern Aegean Sea subduction area (Hellenic Arc) using intermediate-depth earthquake data, *Geophys. J. Int.* **215**, 635–658, https://doi.org/10.1093/gji/ggy292

Conference Articles

1. Chrisanthi Ventouzi, Constantinos Papazachos, Domenikos Vamvakaris, Iordanis Dimitriadis and Athanasios Karamesinis Evidence for real-time correlation of mining activity and induced earthquakes in Parnassos mine (GREECE). *First European Conference on Earthquake Engineering and Seismology* (a joint event of the 13th ECEE & 30th General Assembly of the ESC) Geneva, Switzerland, 3-8 September 2006
2. Ch. Ventouzi, A. Bruestle, K.D. Fischer, L. Kueperkoch, T. Taymaz, T. Meier, W. Friederich, C. Papazachos, G. Stavrakakis & the EGELADOS working group. Investigations on the Kythira-earthquake (SW Aegean Sea) on 8 January 2006 using the EGELADOS-network. Geophysical Research Abstracts, Vol. 9, 07086, Presented in General Assembly of the EGU, Vienna, Austria, 2007.
3. Boore D., A.A. Skarlatoudis, Ch. Ventouzi, C.B. Papazachos and B.N. Margaris, (2008). Empirical prediction relations of the spectral values of ground motion, for intermediate depth earthquakes from S.Aegean, *3nd National Conference of Earthquake Engineering and Engineering Seismology, Athens, Greece (in Greek).*
4. Ch. Ventouzi., C. Papazachos, Ch. Papaioannou, P. Hatzidimitriou and the EGELADOS working group. Obtaining information on the Q-structure of the

southern Aegean subduction area by spectral slopes from temporary and permanent networks, *13th Internation Congress of the Geological Society of Greece, Chania, Crete, Greece,* 5-8 September 2013, Δελτίο Ε. Γ. Ε., Τόμος XLVII, No 3, 1366-1375

5. Kkallas, C., C. B. Papazachos, A. Skarlatoudis, C. Ventouzi, D. Boore, and B. N. Margaris (2018). Explaining the anomalous damage pattern of large (M7+) intermediate-depth earthquakes in the southern Aegean Sea, *Proceedings, 16th European Conference on Earthquake Engineering, Thessaloniki, Greece, 18--21 June, 2018*
6. Kkallas Ch., C. Papazachos, A. Skarlatoudis, M. Anthymidis, Ch. Ventouzi, (2018). Topographic Amplification Effects on Seismic Motions: The Case of The Large (M=7.4) 1956 Amorgos Earthquake and Its Impact in The Area of Santorini, *Proceedings, 16th European Conference on Earthquake Engineering, Thessaloniki, Greece, 18--21 June, 2018*

Abstracts

1. Ch. Ventouzi, A. Bruestle, K.D. Fischer, L. Kueperkoch, T. Taymaz, T. Meier, W. Friederich, C. Papazachos, G. Stavrakakis & the EGELADOS working group. Investigations on the Kythira-earthquake (SW Aegean Sea) on 8 January 2006 using the EGELADOS-network. *Geophysical Research Abstracts*, Vol. 9, 07086, Presented in General Assembly of the EGU, Vienna, Austria, 2007.
2. Skarlatoudis, A.A., C. Papazachos, B. Margaris, Ch. Papaioannou, Ch. Vendouzi, D. Vamvakaris, A. Bruestle, T. Meier, W. Friederich and G.Stavrakakis, (2007). Combination of strong- and weak-motion data from both permanent and temporary networks for attenuation studies: The case of the January 8, 2006 Kythera intermediate-depth earthquake, *European Geosciences Union (EGU) General Assembly, Vienna, Austria*.
3. Ch. Ventouzi, C. Papazachos , Ch. Papaioannou, Estimating Earthquake Parameters Using Macroseismic Intensity Data: Application to Historical Events of the Aegean Area. *Geophysical Research Abstracts*, Vol. **10**, EGU2008-A-10555, Presented in General Assembly of the EGU, Vienna, Austria, 2008.Also presented in *European Seismological Commission ESC 2008, 31st General Assemply,* Hersonissos, Crete, Greece, 7-12 September 2008
4. Boore D. M., A.A. Skarlatoudis, Ch. Ventouzi, C.B. Papazachos, B.N. Margaris, . Empirical prediction relations of acceleration and velocity spectral values from intermediate depth earthquakes in Southern Aegean, 31st *European General Assembly of the European Seismological Commission, Chania, Greece*, 7-12 September 2008.
5. Skarlatoudis A.A., C.B. Papazachos, B.N. Margaris, Ch. Ventouzi and I. Kalogeras and D. Vamvakaris, (2012). Ground motion prediction equations for intermediate-depth earthquakes in the Southern Aegean Subduction Zone: Identification of significant along-arc/back-arc differences and their impact on seismic hazard, *European Geosciences Union (EGU) General Assembly, Vienna, Austria*.
6. Ch. Ventouzi., C. Papazachos, Ch. Papaioannou, P. Hatzidimitriou and the EGELADOS working group. Obtaining information on the Q-structure of the southern Aegean subduction area by spectral slopes from temporary and permanent networks, *13th Internation Congress of the Geological Society of Greece, Chania, Crete, Greece,* 5-8 September 2013.
7. Ch. Ventouzi., C. Papazachos, Ch. Papaioannou, P. Hatzidimitriou and the EGELADOS working group. Anelastic Attenuation Structure of the Southern Aegean Subduction Area, *European Geosciences Union (EGU) General Assembly 2014, Vienna, Austria,* 27 April – 02 May 2014.
8. Skarlatoudis A.A., C.B. Papazachos, B.N. Margaris, Ch. Ventouzi, I. Kalogeras and the EGELADOS group, (2014). Ground-Motion Prediction Equations of Intermediate-Depth Earthquakes in the Hellenic Arc, Southern Aegean Subduction Area, *2014 SSA Annual Meeting, Anchorage, Alaska, 30 April - 2 May, 2014*
9. Ch. Ventouzi, C. Papazachos, Ch. Papapioannou P. Hatzidimitriou and the EGELADOS working group. Qp and Qs Attenuation models of the Southern Aegean

subduction area, *2nd European Conference on Erathquake Engineering and Seismology*, *Istanbul,* 25-29 August, 2014

10. H. Kkallas, Ch. Ventouzi, C. Papazachos, D. Boore and V. Margaris. A new 3D attenuation model for the southern Aegean subduction zone: Implications for the ground-motion prediction equations for intermediate earthquakes, *35th General Assembly of the European Seismological Commission, Trieste*, 4-10 September, 2016
11. C. Kkallas, C. Ventouzi, C. Papazachos. Stochastic simulation of the intermediate earthquakes using the 3D attenuation model for the southern Aegean subduction zone, *15thInternation Congress of the Geological Society of Greece, Athens, Greece,* 22-24 May 2019, Bulletin of the Geological Society of Greece, Sp. Pub. 7Ext. Abs. GSG2019-190

Participation in Scientific Meetings

1. Panhellenic convection on «Greek marble», February 18 2002, Thessaloniki, Greece

2. Meeting Geology and Society «Offer of the geological survey in North Greece», February 22 2002, Thessaloniki, Greece

3. "6th Panhellenic Geographic Convection of Greek Geological Association", 3-6 October 2002, Thessaloniki, Greece

4. 1st International Workshop on Earthquake Prediction, ESC Subcommission, 6–7 November 2003, Athens, Greece.

5. 10th International Congress of the Geological Society of Greece, 15–17 April 2004, Thessaloniki, Greece.

6. 5th International Symposium on Eastern Mediterranean Geology, 14–20 April 2004, Thessaloniki, Greece.

7. 4th National Geophysical Conference, 4-5 October 2004, Sofia, Bulgaria

8. 3ο Πανελλήνιο Συνέδριο Αντισεισμικής Μηχανικής & Τεχνικής Σεισμολογίας, 5–7 Νοεμβρίου, 2008
9. *European Geosciences Union General Assemply 2008*, Vienna, Austria, 13-18 April 2008

10. *European Seismological Commission ESC 2008, 31st General Assemply,* Hersonissos, Crete, Greece, 7-12 September 2008

11. *13th International Congress of the Geological Society of Greece*, Crete, Greece, 5-8 September, 2013

12. *2nd European Conference on Erathquake Engineering and Seismology*, A joint event of the *15th EUROPEAN CONFERENCE ON EARTHQUAKE ENGINEERING EAEE & 34th GENERAL ASSEMBLY OF THE EUROPEAN SEISMOLOGICAL COMMISSION*, Istanbul, 25-29 August, 2014

13. *Annual Scientific Meeting of Geological Society of Greece*, Athens, 13 May 2015

14. *15th International Congress of the Geological Society of Greece,* Athens, Greece, 22-24 May 2019

Participation in Research Projects

1. Installation of a portable digital seismograph network for the study of active tectonics structures and the deep structure in the broader area of Chios island
2. Seismic hazard assessment in the Southern Balkan area
3. Transtensional tectonics and seismic hazard in Central Greece
4. Monitoring of microearthquakes in Parnassos - area of Kaniani mines
5. Upgrade-adjustment of the seismological network of the Geophysical Laboratory of Aristotle University of Thessaloniki (Sub-Project 6 of the 'Formation of the National Network of Seismographs')
6. Seismicity and seismotectonic study of the Anargyroi - Fanos area
7. EGELADOS : Exploring the Geodynamics of subducted Lithosphere using an Amphibian Deployment of Seismographs. RUHR University of Bochum – Germany
8. Network of Research Infrastructure for European Seismology in the framework of the activity NA4 «Distributed archive of historical earthquake data» (NA4 : Distributed historical archive of seismic data)
9. An updated 3D SEismotectonic-Geophysical Model for the deterministic hazard assessmENT of the Southern Aegean subduction, ARISTEIA-I project
10. Development of digital courses, support of an institutional platform and other actions (opencourses.auth)
11. Determination of active faults and seismic hazard assesment along the broader TAP pipeline area (Greece-Albania)