



Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Dr FASSOULAS Charalampos G.**
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E-mail fassoulas@nhmc.uoc.gr, bfassoulas@gmail.com
Nationality Greek
Date of birth 13/08/1967
Gender Male

Work experience

Dates	1996 -
Occupation or position held	Currator of Geology
Main activities and responsibilities	Head of Geodiversity dep.
Name and address of employer	Natural History Museum of Crete, University of Crete, Heraklion 71409, Crete, Greece, www.nhmc.uoc.gr
Type of business or sector	Academic
Dates	2014 -
Occupation or position held	Laboratory Teaching Staff
Main activities and responsibilities	Teaching and Research
Name and address of employer	Faculty of Sciences & Technology., University of Crete, Heraklion 71409, Crete, Greece, www.uoc.gr
Type of business or sector	Academic
Dates	1996 - 2014
Occupation or position held	Inv. Lecturer (PD 407)
Main activities and responsibilities	Teaching and Research
Name and address of employer	Biology dep., University of Crete, Heraklion 71409, Crete, Greece
Type of business or sector	Academic
Dates	2001 - 2023
Occupation or position held	President of Management Committee
Main activities and responsibilities	Geopark Coordinator
Name and address of employer	Psiloritis, UNESCO Global Geopark, Anogia, Crete, Greece, www.psiloritisgeopark.gr
Type of business or sector	Geopark

Education and training

Dates 1990-1995
 Title of qualification awarded Doctor of Philosophy (PhD) in Structural Geology
 Principal subjects/occupational skills covered Expertise in Structural Geology, Geodynamics and Tectonics
 Name and type of organisation providing education and training Geology Department of Aristotle University of Thessaloniki, Thessaloniki, Greece

Dates 1985 - 1989
 Title of qualification awarded Diploma studies in Geology
 Principal subjects/occupational skills covered Geology related courses
 Name and type of organisation providing education and training Geology Department of Aristotle University of Thessaloniki, Thessaloniki, Greece

Personal skills and competences

Mother tongue(s) **Greek**

Other language(s) **English, German**

Self-assessment
European level ()*

English

German

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Lower Proficiency	C1	Lower Proficiency	C1	Lower Proficiency	C1	Lower Proficiency	C1	Lower Proficiency
A1		A2		A1		A1		A1	

Computer skills and competences Excellent use of Windows, Word, Excell, Power Point, Corel Draw, WEB
 Very good knowledge on GIS (ARCGIS), Access

Training Capacity Authorised Trainer for Adult Education by the National Center for Certification of Greece

Additional information

Teaching experience

- "Lessons of Physical Geography and Geomorphology" an undergraduate course in Biology dep., Univ. of Crete, Greece.
- "Environmental geology and management of Geodiversity", a postgraduate course in Biology dep., Univ. of Crete, Greece
- Participation in teaching of postgraduate course "Natural Hazard related Geosites", Univ. of Aegean, Thessaloniki, Greece
- Participation in teaching of the postgraduate course "Geoheritage-Palaeontological Geotopes – Museum promotion and Education", Univ. of Athens, Athens, Crete, Greece

Professional affiliations

- Vice Co-ordinator of the European Geoparks Network
- Member of UNESCO's Global Geoparks Council (2022 -)
- Co-ordinator of Hellenic Geoparks Forum.
- Member of the Geological Society of Greece.
- Member of the Geomorphologic and Earth Heritage committee of the Geol. Soc. Greece
- Secretary General of the Geotechnical Chamber of Greece, department of Crete
- Member of the International Association of Structural/Tectonic Geology.
- Member of ProGEO, the European society for the protection of Geological Heritage
- Member of EGN Advisory Group (4-years)
- Member of UNESCO Geopark's Evaluators Team
- Member of Geoparks Committee, Hellenic National Commission for UNESCO

Synergistic Activities

- Field trip assistant in geological expeditions in Crete by Universities of Tuebingen Germany (1991), University of Yale (1999), University of Munchen Germany (2001), and Macalester College USA (2003), Washington-Lee USA (2010), Friburg Austria (2016) etc.
- Co-ordinator with U. Ring in IKYDA 2001 (EU scientific exchanges) program between Mainz, Scholl of Geology and Aristotle Uni. – University of Crete in the topic of “Tectonic uplift of Crete: tectono-sedimentary studies and numerical model”
- Co-ordinator with Prof J. Ague, Yale Univ. in Niarchos Funded project “Deformation and Fluid flow During Metamorphism and Mountain Building, Crete, Greece”.
- Co-convenor, GSA Penrose Conference, on Extensional Tectonics: Architecture, Rheological Coupling and Heat Budget Naxos Island, Greece, October 2007
- Coordinator, or researcher **in more than 35 Research, Educational and Applied projects** of Natural History Museum of Crete and Psiloritis UGGp
- Co-convenor with N. Zouros and D. Grigorescu, of the Special Session 29 on “Promoting geoconservation in South-Eastern Europe – Geoparks”, 10th CarpathoBalkan Geological Association Congress, Thessalonki, September 2010

Selected Publications

1. **FASSOULAS C., KILIAS A. & MOYNTRAKIS D.** (1994): Post-nappe stacking extension and exhumation of the HP/LT rocks in the island of Crete, Greece, *Tectonics*, 13, 121-132.
2. **FASSOULAS C.** (1998): The contribution of geological monuments to the understanding of the geological evolution of Crete, Greece. In: 3d Inter. Sympos. For Management of Protected areas and Natural Monuments, Lesvos, Greece (Proc).
3. **FASSOULAS C.** (1999): The structural evolution of central Crete: Insight into the tectonic evolution of the South Aegean (Greece). *Journal Geodynamics*, 27, 23-43.
4. **FASSOULAS C.** (2000): Field Guide to the Geology of Crete. Natural History Museum of Crete Publ., Heraklion.
5. **FASSOULAS C.** (2001): The tectonic development of a Neogene basin at the leading edge of the active European margin: The Heraklion basin, Crete, Greece. *J. Geodynamics*, 31/1, 63-84.
6. **FASSOULAS, C.** (2004): Psiloritis Geopark: protection of geological heritage through development. In: Parkes. M.A. (ed) "Natural and Cultural Landscapes: the geological foundation", Royal Irish Academy, Dublin, 291-295
7. **FASSOULAS, C. & PANAGIOTAKIS N.** (2004): Could the rise and development of past civilizations depend on the geological environment? In: Parkes. M.A. (ed) "Natural and Cultural Landscapes: the geological foundation", Royal Irish Academy, Dublin, 147 – 151.
8. **FASSOULAS C., NIKOLAKAKIS, M. & PARAGAMIAN K.** (2004). Geomorphologic and Tectonic Features of Cretan gorges, Crete, Greece. 5th Inter. Symp. Eastern Mediterranean Geology Proc. Vol., 1, 415-418.
9. **STRASSER T. & FASSOULAS C.,** (2004): Granodiorite stone tools in Cretan excavations, *Aegean Archaeology*, 7, 9-12.
10. **DRANDAKI – THEODOSIOU I., NAKOV R., WIMBLENDON, W.A.P....FASSOULAS CH., FERMELI G., ... MIJOVIC D.** (2004): IUGS Geosites project progress- A first attempt at a common framework list for south-eastern European Countries. In: Parkes. M.A. (ed) "Natural and Cultural Landscapes: the geological foundation", Royal Irish Academy, Dublin, 81-89
11. **POULAKAKIS N., LYMBERAKIS P., & FASSOULAS C** (2005): *DEINOTHERIUM GIGANTEUM* (PROBOSCIDEA, DEINOTHERIIDAE) from the late Miocene of Crete. *Journal Vertebrate Paleontology*, 25 (3), 732-736P.
12. **RAHL J., ANDERSON K., BRANDON M. & FASSOULAS C.** (2005). Raman spectroscopic carbonaceous material thermometry of low-grade metamorphic rocks: Calibration and application to tectonic exhumation in Crete, Greece. *Earth Planet. Sci. Let.*, 240, 339-354p.
13. **FASSOULAS C., ILIOPOULOS G., VOREADOU K. & STAVRIDAKIS K.** (2005): Introducing the invisible Water routes of karstic systems to pupils: An educational project of Psiloritis Geopark. In: 6th EGN Inter. Meet., Lesvos 4-8/10/05. (Abs)
14. **FASSOULAS C. & SKOULA Z.** (2006): Protection of Geotops in Psiloritis Geopark, Crete, Greece: Assessing Geological Heritage. In: 2nd UNESCO Inter. Con. on Geoparks, Belfast, 2006, Abst. Vol., 5p.
15. **SKOULA Z. & FASSOULAS C.** (2006): Examples of know-how and experience transfer within the European Geoparks Network: the case of Psiloritis Natural Park, Crete, Greece. In: 2nd UNESCO Inter. Conf. on Geoparks, Belfast 2006, Abst. Vol., 121p.
16. **ZOUROS N. & FASSOULAS C.** (2006): Geodiversity in Greek National Parks. In: 2nd UNESCO

- Inter. Conf. on Geoparks, Belfast 2006, Abst. Vol., 62p.
17. **FASSOULAS C.**, VOREADOU K. & ILLIOPOULOS G. (2006): Bringing together Bio- and Geodiversity: An example from the Psiloritis Natural Park, Crete, Greece. In: 2nd UNESCO Inter. Conf. on Geoparks, Belfast 2006, Abst. Vol., 78p.
 18. **FASSOULAS C.** (2007): Geoconservation and geotourism in Crete, Greece. 6th Inter. Symp. Eastern Mediterranean Geology, Amman, Abstr. Vol., 171p.
 19. **FASSOULAS C.**, PARAGAMIAN K. & ILLIOPOULOS G. (2007). Identification and assessment of Cretan Geotopes. Bull. Geol. Soc. Greece, vol. XXXVII, 1780 – 1795.
 20. **FASSOULAS C.**, PATZAK M., ZOUROS N. and McKEEVER (2007). European and Global-UNESCO Networks of Geoparks: Management of Geological Heritage and local development. 6th Inter. Symp. Eastern Mediterranean Geology, Amman, Abstr. Vol., 4p. (Plenary Lecture)
 21. ZIDIANAKIS J., **FASSOULAS C.** & MOHR B.A.R. (2007). An upper Miocene paleoflora from Vrysses, western Crete (Greece) and its paleoenvironmental and paleoclimatic interpretation. *GEODIVERSITAS*, vol. 29 (3), 351-377.
 22. MERTZ-KRAUS R., BRACHER T., REUTER M., GALER S.J.G, **FASSOULAS C.**, ILLIOPOULOS G. (2009). Late Miocene sea surface salinity increase in the Eastern Mediterranean inferred from coral $\delta^{18}\text{O}$ variation. *Chemical Geol.*, 262, 202-216pp 50.
 23. **FASSOULAS C.** and ZOUROS N. (2010). Evaluating the influence of Greek Geoparks to the local communities. Abs 12th Intern. Congr. Geol Soc Greece, Patras May 2010.
 24. **Fassoulas C.**, Mouriki D., Dimitriou-Nikolakis P. & Iliopoulos G. (2011). Quantitative assessment of geotopes as an effective tool for geoheritage management. *GEOHERITAGE*, DOI 10.1007/s12371-011-0046-9.
 25. Iliopoulos G., Roussiakis S. & **Fassoulas C.** (2012). First occurrence of carnivore footprint with hyaenid affinities from the Late Miocene of Crete (Greece). *Palaeobio Palaeoenv*, DOI 10.1007/s12549-012-0073-9.
 26. **Fassoulas C.**, Staridas S., Perakis V. & Mavrokosta C. (2013). Revealing the Geoheritage of the Eastern Crete through the development of Sitia Geopark, Crete, Greece. *Bulletin of the Geological Society of Greece*, vol. XLVII/2, 1004-1016.
 27. Strobl M., Hetzel R., **Fassoulas C.**, & Kubik P.W. (2014). A long-term rock uplift rate for eastern Crete and geodynamic implications for the Hellenic subduction zone. *J. of Geodynamics*, 78, 21-31 (<http://dx.doi.org/10.1016/j.jog.2014.04.002>)
 28. **Fassoulas C.**, & Burlando M. (2015). Collaborating under EVANDE to establish a Geoparks network of volunteers against natural disasters. In: 13th EGN International Conference, (abs vol.), 47p., Rockua Finland.
 29. Staridas S. & **Fassoulas C.** (2015). Designing a shared web map of the rapidly expanding list of Global & European Geoparks Networks members, using web GIS technologies. In: 13th EGN International Conference, (abs vol.), 113p., Rockua Finland
 30. **Fassoulas C.** (2017). The geological setting of Crete: an overview. In: Jusseret S. & Sintubin M. (Eds) *Series in Archaeological Sciences 5: Minoan Earthquakes, Breaking the myth through Interdisciplinarity* (ISBN 978 94 6270 098 7). Leuven University Press, pp135-163
 31. Gierlinski G.D., Niedzwiedzki G., Lockley M.G., Athanassiou A., **Fassoulas C.**, Dubicka Z., Boczarowski A., Bennett M.R. & Ahlberg P.E. (2017). Possible hominin footprints from the late Miocene (c. 5.7 Ma) of Crete? *Proc. Geol. Assoc.*, <http://dx.doi.org/10.1016/j.pgeola.2017.07.006>
 32. **Fassoulas C.**, Watanabe M., Pavlova I., Amorfini A., Dellarole E. Dierickx F., (2019). UNESCO Global Geoparks: living laboratories to mitigate natural induced disasters and strengthen communities' resilience. In: L. Antronico & F. Marincioni (eds) *Natural Hazards and Disaster Risk Reduction, Geographies of the Anthropocene series Book*, Il Sileno Ed., 175-197.
 33. Tilley L., Berning B., Erdei B., **Fassoulas C.**, Kroh A., Kvaček J., Mergen P., Michellier C., Miller G.C., Rasser M., Schmitt R.T. & Kovar-Eder J., (2019). Hazards and disasters in the geological and geomorphological record: a key to understanding past and future hazards and disasters. *Research Ideas and Outcomes*, 5: e34087 <https://doi.org/10.3897/rio.5.e34087>
 34. **Fassoulas C.**, Nikolakakis E., & Staridas S. (2022). Digital Tools to Serve Geotourism and Sustainable Development at Psiloritis UNESCO Global Geopark in COVID Times and Beyond. *Geosciences*, 12:78, <https://doi.org/10.3390/geosciences12020078>
 35. Goufopoulos V., Papadopoulou, P., Koumoutsou E., Zouros N., **Fassoulas C.**, Zeliidis A. & Iliopoulos G. (2022). Quantitative assessment of Geosites of Chelmos-Vouraikos UNESCO Global Geopark (Greece). *Geosciences* 12:63, <https://doi.org/10.3390/geosciences12020063>
 36. Ague, J.J., Tassara, S., Holycross M.E., Li, J.L., Cottrell, E., Schwarzenbach, E.M., **Fassoulas C.**, John, T. (2022), Slab-derived devolatilization fluids oxidized by subducted metasedimentary rocks. *NATURE Geoscience*, <https://doi.org/10.1038/s41561-022-00904-7>
 37. Ganas, A., Hamiel, Y., Serpetsidaki, A., Briole, P., Valkaniotis, S., Fassoulas, C., Piatibratova, O., Kranis, H., Tsironi, V., Karamitros, I., Elias P., Vassilakis, E. (2022). The Arkalochori Mw = 5.9 Earthquake of 27 September 2021 Inside the Heraklion Basin: A Shallow, Blind Rupture Event Highlighting the Orthogonal Extension of Central Crete. *Geosciences*, 12, 220. <https://doi.org/10.3390/geosciences12060220>

	<p>38. Ring, U., Fassoulas, C., Uysal, I. T., Bolhar, R., Tong, K., Todd, A., (2022). Nappe imbrication within the Phyllite-Quartzite Unit of West Crete: Implications for sustained high-pressure metamorphism in the Hellenide Subduction Orogen, Greece. <i>Tectonics</i>, https://doi.org/10.1029/2022TC007430</p> <p>(in total 62 publications in Scientific Peer review Journals, and 96 at abstract volumes)</p>
Popular Publications	<ul style="list-style-type: none"> ▪ Field Guide to the Geology of Crete. Natural History Museum of Crete (eds), 104 p., Heraklion 2000 ▪ Geological Heritage of Psiloritis Mountains. Psiloritis Natural Park (eds), 110p., Anogia, 2008 ▪ Geotouristic Field Guide of Sitia Geopark, Sitia (125pp), 2013 ▪ Many articles in popular journals and Newspapers
Congresses - Meetings	Have participated in more than 5 scientific International Meetings/Congresses : all International EGN meetings and 4 Global Geoparks Meeting.
Collaborations	J. AGUE (Uni. Yale, USA), T. BRACHERT (Uni. MAINZ, Germany), M. BRANDON (Uni. Yale, USA), R. CAPUTO, (Uni. POTENZA, Italy), A. GANAS (Geodynamic Institute, Observatory of Athens, Greece), A. KILIAS, (Uni. THESSALONIKI, Greece), R. Nakov (uni. SOFIA, Bulgaria), F. Pazzaglia (Uni. LEHIGH, USA), S. PAVLIDES (Uni THESSALONIKI, Greece), J. RAHL (Uni. Michigan, USA), U. RING (Uni CANTERBURY, New Zealand), T. STRASSER, (State Uni. CALIFORNIA, USA), L. TORTORICI (Uni CATANIA Italy), N. ZOUROS (Uni Aegean, Greece), F. PAZZAGLIA (Uni. LEHIGH, USA), K. WEGMAN. (NCSU, USA), A. SARRIS (Ins. Mediterranean Sudes, FORTH, GREECE)
Topics of scientific interest	<ul style="list-style-type: none"> • Study and assessment of Geodiversity, • Geointerpretation and geoconservation • Tectonic geomorphology in modern orogenic zones • Analysis and interpretation of landscape • Mitigation of Natural Disasters' risk
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SCOPUS ID	6603273944
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