

GEORGE PAPATHEODOROU
PROFESSOR IN ENVIRONMENTAL & GEOLOGICAL OCEANOGRAPHY

Personal Information

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Affiliation: Department of Geology, University of Patras, Greece GR-26504 Rio – Patras, Greece

TITLE and POSITION

- Director of Laboratory of Marine Geology and Physical Oceanography
- Vice Head of the Geology Department (2009-2013)
- Head of the Geology Department (2013-2017)
- Dean of the School of Natural Sciences (2018-2021)

Main fields of interest: Marine Geology (Marine Geophysics, Marine Sedimentology and Marine Geochemistry) with emphasis on Active Faults, Submatine gravitational sediment movements and Seabed Fluid flows. Marine Geoarchaeology. Marine Pollution (Marine Litter). Anoxic/Hypoxic land locked water bodies. Mapping of Marine and Lacustrine habitats.

PROFESSIONAL EXPERIENCE

1. **Under Appointed Research Assistance, Ass. Professor and Professor** in Chemical Oceanography, Department of Fisheries – Aquaculture Technology, TEI of Western Greece (1992-2000).
2. **Under Appointed Lecturer** in Oceanography, Department of Ichthyology and Aquatic Environment, **University of Thessaly**, Greece (1995-2002).
3. **Lecturer** (2000-2004), **Assistant Professor** (2004 to 2009), **Associate Professor** (2009 to 2013) and **Professor** (2013) in “Environmental Geological Oceanography”, **University of Patras**, Department of Geology.

TEACHING DUTIES

Undergraduate courses: Five (5) courses in the Department of Geology, Univ. of Patras.

Postgraduate courses: Three (3) courses in the Environmental Oceanography module – (*Director of Environmental Oceanography Module*), Department of Geology, Univ. of Patras.

Three (3) courses in Interdepartmental Programme of Post graduate studies in “Environmental Sciences” – (*Director of the Interdepartmental Programme*), School of Natural Sciences, Univ. of Patras.

One (1) module in Interinstitutional Postgraduate Programme (MSc) in Hydrocarbon Exploration and Exploitation, Aristotle University of Thessaloniki - School of Geology.

Supervising undergraduate dissertations: 60, **Supervising postgraduate dissertations:** 45,

Member of evaluation committee of postgraduate dissertations: 55, **Supervising PhD:** 6

(and 6 in progress). **Member of evaluation committee of PhD dissertations:** 33 (Univrsity of Patras, Athens, Thessaly, Thessalonica, Leige).

PUBLICATIONS

Publications in Journals of SCIENCE CITATION INDEX and in peer-reviewed International Journals	97 (in 47 different Journals)
Special Publications and Book chapters of international publishers	14
Full-length papers in Proceedings of International and National Conferences	114
Total number of publications	225
ABSTRACTS	>150
Books (co-author)	3 (Hellenic Open University) 2 (University of Patras Press)

CITATION OVERVIEW (1_2019)

	GOOGLE SCHOLAR PROFILE	SCOPUS	WEB OF SCIENCE	RESEARCHGATE
Citations	2850	1860	1514	2591
h-index	30	26	24	31
RG-score				35.93

<https://scholar.google.gr/citations?user=N9doCiMAAAJ&hl=el>
https://www.scopus.com/cto2/main.uri?origin=resultslist&stateKey=CTOF_1025082423
https://www.researchgate.net/profile/George_Papatheodorou

RESEARCH ACTIVITIES

A great amount of oceanographic cruises as well as laboratory experience has been gained through marine geological, geophysical, sedimentological, geochemical and geotechnical projects carried out by the Laboratory of Marine Geology & Physical Oceanography. The studies for these scientific projects included acquisition, analysis and interpretation of geophysical and geotechnical data, analysis and interpretation of sedimentological data.

SCIENTIFIC PROJECTS (EU-funded, and International) (*selected*) of the last 10 years

Title	Funding	Role	Duration
INTERREG III A GREECE-ITALY (AXIS III, MEASURE 1). GoW –	INTERREG III (EU)	Main Researcher	2007-2008
HYPOX. In situ monitoring of oxygen depletion in hypoxic ecosystems of coastal and open seas, and land-locked water bodies	FP7 (EU) (FP7-ENV-2008-1).	Scientist in charge for UPatras	2009-2012
APREH: INTERDISCIPLINARY AQUARIA FOR THE PROMOTION OF ENVIRONMENT AND HISTORY	European Territorial Cooperation Programme Greece - Italy (EU)	Main Researcher	2007-2013
SASMAP (FP7-ENV-2012-1)	FP7 (EU)	Main researcher	2012-2015
Low temperature methanation in geologic environments	PETROBRAS, Brasil	Scientist in charge for UPatras	2012-2013
LIFE AMMOS ENV.E-4 – Life Environment & Eco-innovation	EU – LIFE Programme	Scientist in charge for UPatras	2014-2015
LoLADRIA – Lost Lake Landscapes of the Eastern Adriatic Shelf	Croatian Science Foundation	Main Researcher	2014-2018
Byblos and the Sea	Honor Frost Foundation	Co-ordinator	2017-today
Marine Remote Sensing survey in Corsica for the detection and study of ancient shipwrecks	DRASSM à Marseille, France	Main researcher	2014-2016
Hydrocarbons and CO ₂ evolution in mafic and ultramafic rocks	GAS-Consult-Inc (U.S.A)	Scientist in charge for UPatras	2015-2016
LIFE DEBAG: Integrated information and awareness campaign for the reduction of plastic bags in the marine environment	EU-LIFE programme	Co-ordinator	2015-2019
ITACA. Innovation Technologies and Applications for Coastal Archaeological sites	EU (FP7)	Scientist in charge for UPatras	2016
Marine Remote Sensing survey in Anfeh, Lebanon	Honor Frost Foundation (UK)- Balamand University	Co-ordinator	2017-today
Byblos and the Sea	Honor Frost Foundation (UK)	Co-ordinator	2014-today
CYCLADES Life - CYCLADES "Integrated monk seal conservation in Northern Cyclades	EU - LIFE programme – WWF Greece	Scientist in charge for UPatras	2014-2018
Marine Remote Sensing survey in Saida, Lebanon	Honor Frost Foundation (UK)	Co-ordinator	2017-today
MELTEMI – Marine litter	MED BALKAN - EU	Scientist in charge for UPatras	2017-2020

OTHER ACTIVITIES

- International Seminar "A study of Mud volcanoes along the shelves of the Black Sea: Implication for safety of Navigation and Underwater systems" Kerch (Crimea), Ukrانيا, 7 -12 June 2007.
- 25th International Association of Sedimentologists (IAS) Meeting of Sedimentology, Patras, Greece, September 2007 (Scientific Programme Coordinator)
- 12th International Congress of the Geological Society of Greece, Patras, Greece, May 2010 (Executive Secretary)
- 9th Hellenic Symposium on Oceanography and Fisheries, Patras, Greece, 13-16 May, 2009, Hellenic Center for Marine Research (HCMR) (Vice President).
- **12th International Conference on Gas Geochemistry 2013, (ICGG12), September, 2013, Patras Greece, (Chairperson).**

Invited speaker: over of 15 inviting talks, the last 7 years, in University of Tromsø (Norway), University of Haifa (Israel), University of Zagreb and Zadar (Croatia), INGV (Rome, Italy), Alexandria (Egypt), Ege University, (Izmir, Turkey), ICOMOS (Florence, Italy), Honor Frost Foundation (British Academy, UK).

Papers in journals of Science Citation Index () and Peer reviewed scientific journals*

1. * Varnavas S.P. and Papatheodorou G. (1987): *Marine Mining*, vol. 6, pp. 37-70.
2. Rossi S., Catani G., Ergun M., Ferentinos G., Gasperini L., Got H., Lenardon G., Macridou T., Martin L., Ori C., Palumbo V., Papatheodorou G., Taviani M., Tunis G. and Vinci A. (1986): *Rend. Soc. Geol. Ital.*, (Rendiconti della Societa Geologica Italiana) vol. 9, pp. 11-14.
3. *Ferentinos G., Papatheodorou G. and Collins M. (1988): *Marine Geology*, vol. 83, pp. 43- 61.
4. *Papatheodorou G., Hasiotis T. and Ferentinos G. (1993): "Gas charged sediments in the Aegean and Ionian Seas, Greece". *Marine Geology* vol. 112, pp. 171-184.
5. *Papatheodorou G. and Ferentinos G. (1993): "Sedimentation processes and basin filling depositional architecture in an active assymetric graben, Strava Graben, Gulf of Corinth". *Basin Research*, vol. 5, pp. 235-253.
6. *Hasiotis T., Papatheodorou G., Kastanos N. and Ferentinos G. (1996): "A pock-mark field in the Patras Gulf (Greece) and its activation during the 14/7/1993 seismic event". *Marine Geology*, vol. 130, pp. 333-344.
7. *Voudouris K., Lamprakis N., Papatheodorou G. and Daskalaki P. (1996): *Mathematical Geology*, vol. 29, No. 1, pp. 43-59.
8. *Papatheodorou G. and Ferentinos G. (1997): "Submarine and coastal sediment failure triggered by the 1995, Ms=6.1R Aegion earthquake, Gulf of Corinth, Greece". *Marine Geology*, vol. 137, pp. 287-304.
9. *Poulos S.E., Collins M.B., Pattiaratchi C., Cramp A., Gull W., Tsiblis M. and Papatheodorou G. (1996): *Marine Geology*, vol. 134, pp. 213-235.
10. *Stefatos A., Charalampakis M., Papatheodorou G., Ferentinos G. (1999): *Marine Pollution Bulletin*, vol. 36, pp. 389-393.
11. Papatheodorou G., Lyberis E. and Ferentinos G. (1999): *Natural Resources Research*, vol. 8, No 4, pp. 277-285.
12. *Geraga M., Tsaila-Monopoli St., Ioakim Ch., Papatheodorou G., and Ferentinos G. (2000): *Palaeo-geography-climatology-ecology*, vol. 156, pp. 1-17.
13. * Casford J.S.L., Abu-Zied R., Rohling E.J., Cooke S., Boessenkool K.P., Brinkhuis H., De Vries C., Wefer G., Geraga M., Papatheodorou G., Croudace I., Thomson J. and Lykousis V. (2001): *Mediterranean Marine Science*, vol. 2/1, pp. 45-55.
14. *Collier R., Leeder M.R., Trout M., Ferentinos G., Lyberis E. and Papatheodorou G. (2000): *Geology*, vol. 28, No 11, pp. 999-1002
15. *Leeder M.R., Collier R., L.H.A. Aziz, Trout M., Ferentinos G., Papatheodorou G and Lyberis E. (2002): *Basin Research*, vol. 14, issue 1, pp 25-42.
16. *Ravasopoulos, J., G. Papatheodorou, J. Kapolos, M. Geraga, A. Koliadima and K. Xenos., (2002): "A promising methodology for the detection of pockmark activation in nearshore sediments, Gulf of Patras (W. Greece)". *Instrumentation Science and Technology*, vol 30, 2, pp. 139-155.
17. *Hasiotis T., Papatheodorou G., Bouckovalas G., Corbau C. and Ferentinos G. (2002): "Earthquake-induced sediment instabilities in the coastal zone of a submarine alluvial fan in

- the western Gulf of Corinth, Greece". *Marine Geology*, vol. 186, pp. 319-335.
18. *Stefatos A., Papatheodorou G., Ferentinos G., Leeder M and Collier R. (2002): *Basin Research*, vol. 14, pp. 1-14
 19. *Hasiotis T., Papatheodorou G., and Ferentinos G. (2002): "A string of large and deep gas-induced depressions (pockmarks) offshore of Killini Peninsula, Western Greece". *Geo-Marine Letters*, vol. 22, issue 3, pp. 142-149.
 20. *Papatheodorou G., Hotos G., Geraga M., Avramidou D. and Vorinakis T. (2002): *Fresenius Environmental Bulletin*, vol 11, No 11, pp. 951-956.
 21. Phaneuf B.A., Ciavola P., Papatheodorou G. and G. Ferentinos. (2002): *I.N.A Quarterly*, vol. 29, No. 3/4, pp. 28-29.
 22. Papatheodorou G., Stefatos A., Christodoulou D., Ferentinos G. (2003). *Advances in Natural and Technological Hazards Research*, vol. 19, pp. 459-469.
 23. *Christodoulou D., Papatheodorou G., Ferentinos G., Masson M. (2003): "Active seepage in two contrasting pockmark fields in Patras and Corinth Gulfs, Greece". *Geo-Marine Letters* 23: 194-199.
 24. Favali, P.; Beranzoli, (...) Papatheodorou, G.; Christodoulou, D.; (...) Neri, G. (2004) Single-frame multiparameter platforms for seafloor geophysical and environmental observations: projects and missions from GEOSTAR to ORION. *MTS/IEEE TECHNO-OCEAN*, vol. 4, pp. 2000-2007.
 25. *Seymour K.St., Christianis K., Bouzinos A., Papazisimou S., Papatheodorou G., Moran E., and G. Denes. (2004): *Quaternary International* 121, 53-65.
 26. *Hasiotis T., Papatheodorou G., and G. Ferentinos (2005): A high resolution approach in the recent sedimentation processes at the head of Zakynthos Canyon, W. Greece. *Marine Geology* 214, 49-73.
 27. * Papatheodorou, G., H. Papaefthymiou, A. Maratou and G. Ferentinos (2005): *Radioprotection* vol.40, 549-555.
 28. *Papatheodorou, G., Geraga, M., Ferentinos, G., (2005): *International Journal of Nautical Archaeology* vol. 34, No 1. 95-109.
 29. *Geraga, M., Tsaila-Monopolis, S., Ioakim, C., Papatheodorou, G., Ferentinos, G., (2005). *Palaeogeography, Palaeoclimatology, Palaeoecology* vol. 220, 311-332.
 30. *Mc Neil L.C., Cotterill C.J., Henstock H.J., Bull J.M., Stefatos A., Collier R.E.L., Papatheodorou G., Ferentinos G. and Hicks S.E. (2005): *Geology* vol. 33, 241-244.
 31. *Etiope G., Papatheodorou G., Christodoulou D., Favali P. and Ferentinos G. (2005) Gas hazard induced by methane and hydrogen sulfide seepage in the NW Peloponnesus petroliferous basin (Greece). *Terrestrial, Atmospheric and Oceanic Sciences* vol 16. No.4, 1-7.
 32. Rolin J-F, J. Blandin, V. Lykousis, J. Strout, G. Etiope, P. Favali, P. Briole, V. Ballu, G. G. Papatheodorou, Ferentinos, D. Cathie, M. Masson. (2005) Common issues between cabled and non cabled observatories in ASSEM project. Europe/*IEEE CNF*, vol.2, pp. 872-877.
 33. *Etiope G., Papatheodorou G., Christodoulou D., Favali P., Ferentinos G., E. Sokos (2006) Methane and hydrogen sulfide seepage in the NW Peloponnesus petroliferous basin (Greece): origin and geohazard. *AAPG Bulletin* v. 90, No. 5, pp. 701-713.
 34. *Papatheodorou G., Demopoulou G., Lambrakis N. (2006) *Ecological Modelling* 193, p. 759-776.
 35. *Etiope, G., G. Papatheodorou, D. Christodoulou, M. Geraga, P. Favali (2006): The geological links of the ancient Delphic Oracle (Greece): A reappraisal of natural gas occurrence and origin. *Geology* v. 34, no. 10, p. 821-824.
 36. *Marinaro, G., G. Etiope, N. Lo Bue, P. Favali, G. Papatheodorou, D. Christodoulou, F. Furlan, F. Gasparoni, G. Ferentinos, M. Masson, J-F. Rolin (2006) Monitoring of a methane-seeping pockmark by cabled benthic observatory (Patras Gulf, Greece), *Geo-Marine letters* 26:297-302.
 37. *Hasiotis, T., Charalampakis, M., Stefatos, A., Papatheodorou, G. & Ferentinos, G. (2006). *Geo-Marine letters* 26, p: 199-211.
 38. *Stefatos, A., Charalampakis, M., Papatheodorou, G. & Ferentinos, G (2006). *Marine Geology* 232, p. 35-47.
 39. *Papatheodorou G., Lambrakis N., Panagopoulos G. (2007). *Hydrological Processes* vol. 21, 1482-1495.
 40. *Papaefthymiou, H., G. Papatheodorou, A. Moustakli, D. Christodoulou and M. Geraga (2007): *Journal of Environmental Radioactivity* 94, pp. 55-74.

41. Marinaro, G., Etiope, G., Lo Bue, N., Favali, P., Papatheodorou, G., Christodoulou, D., Furlan, F., Gasparoni, F., Ferentinos, G., Masson, M., Rolin, J-F (2007). A cabled monitoring module for gas seepage: the first experiment in a pockmark (Patras Gulf, Greece). *IEEE/CNF*, vol. p. 343-348. DOI: 10.1109/UT.2007.370810.
42. Hasiotis, T., G. Papatheodorou, M. Charalampakis, A. Stefatos, G. Ferentinos (2007). *Advances in Natural and Technological Hazards Research*, vol. 27, p. 309-316.
43. Iatrou, M., G. Ferentinos, G. Papatheodorou, D.J.W. Piper, E. Tripsanas (2007). *Advances in Natural and Technological Hazards Research*, vol. 27, p. 149-157.
44. Hasiotis, T., G. Papatheodorou, G. Ferentinos (2007). *Advances in Natural and Technological Hazards Research*, vol. 27, p. 317-324.
45. *Koutsodendris, A., Papatheodorou, G., Kougiourouki O., Georgiadis M. (2008). *Estuarine, Coastal and Shelf Science*, vol. 77, p. 501-512.
46. Chalari, A., Christodoulou, D., Papatheodorou, G., Geraga, M., Stefatos, A., Ferentinos, G. (2008): *British Archaeological Reports* (BAR) International Series 1746, ISBN 978 1 4073 01884, pp. 119-128.
47. Papatheodorou, G., Geraga, M., Ferentinos G., (2008): *British Archaeological Reports* (BAR) International Series 1746, ISBN 978 1 4073 01884, pp. 65-71.
48. *Geraga, M., Mylona, G., Tsaila-Monopoli St., Papatheodorou, G., Ferentinos, G. (2008) *Journal of Marine Systems* doi:10.1016/j.jmarsys.2008.05.019.
49. Papatheodorou, G., E., Fakiris, M., Geraga, G., Ferentinos, C., Koutsikopoulos (2008). *Hydro International*, September 2008, Vol. 12, no. 7, pp. 15-18.
50. *Georgiadis, M., G., Papatheodorou, E., Tzanatos, M., Geraga, A., Ramfos, C., Koutsikopoulos, G., Ferentinos (2009): *Journal of Experimental Marine Biology and Ecology*, 368, 44-58.
51. *Karagiannidi, Th., Papaefthymiou, H., G. Papatheodorou (2009). *Journal of Radioanalytical and Nuclear Chemistry*. vol. 279, no.3, 923-934.
52. *Chalari, A., G. Papatheodorou, M. Geraga, D. Christodoulou G. Ferentinos (2009). *Zeitschrift für Geomorphologie*, vol. 53, no.1, pp. 191-212.
53. *Papaefthymiou, H., G. Papatheodorou, D. Christodoulou, M. Geraga, A. Moustakli, J. Kapolos. (2010). *Microchemical Journal*, doi:10.1016/j.microc. 2010.04.001.
54. *Ferentinos, G., G. Papatheodorou, M. Geraga, M. Iatrou, E. Fakiris, D. Christodoulou, E. Dimitriou, C. Koutsikopoulos. (2010). Fjord water circulation patterns and dysoxic/anoxic conditions in a Mediterranean semi- enclosed embayment in the Amvrakikos Gulf, Greece. *Estuarine, Coastal and Shelf Science*, vol. 88, pp. 473-481.
55. *Sotiris Kiparissis, Elias Fakiris, George Papatheodorou, Maria Geraga, Michael Kornaros, Apostolos Kapareliotis and George Ferentinos (2011). *Biological Invasions* DOI 10.1007/s10530-010-9858-9.
56. * Papaefthymiou, H., G. Papatheodorou (2011) *J Radioanal Nucl Chem* DOI 10.1007/s10967-011-1143-6.
57. Fakiris, E., D. Zoura, K. Katsanou, P. Kriempardi, N. Lambrakis, G. Papatheodorou (2011) Environmental Earth Sciences. *Advances in the Research of Aquatic Environment* vol.1, pp. 111-120.
58. * Papatheodorou G., Avramidis P., Fakiris E., Christodoulou D. and N. Kontopoulos (2012). *International Journal of Sedimentary Research*, vol. 27, no 1, pp. 1-17.
59. *George Ferentinos, Maria Gkioni, Maria Geraga, George Papatheodorou (2012). *Journal of Archaeological Science*, v. 39, pp. 2167-2176.
60. * Fakiris E., G. Papatheodorou (2012). *Marine Geophysical Research* 33 (2), pp. 169-183.
61. *Naeher S., Geraga M., Papatheodorou G., Ferentinos G., Kaberi H., Schubert C.J. (2012). Environmental variations in a semi-enclosed embayment (Amvrakikos Gulf, Greece) - Reconstructions based on benthic foraminifera abundance and lipid biomarker pattern. *Biogeosciences* 9, 5081-5094. doi:10.5194/bg-9-5081-2012.
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63. * Stavroula Kordella, Maria Geraga, George Papatheodorou, Elias Fakiris and Ioanna Maria Mitropoulou (2013). *Aquatic Ecosystem Health & Management* 16(1), 111-118.
64. * H. Papaefthymiou, D. Athanasopoulos, G. Papatheodorou, M. Iatrou, M. Geraga, D. Christodoulou, S. Kordella, E. Fakiris, B. Tsikouras (2013). *Journal of Environmental Radioactivity*, 122, 43-54.
65. * Etiope, G., Tsikouras, B., Kordella, S., Ifandi, E., Christodoulou, D., Papatheodorou, G. (2013).

- Chemical Geology**, 347, 161-174. doi: 10.1016/j.chemgeo.2013.04.003.
66. Gkioni, M., Geraga, M., Papatheodorou, G., Ferentinos, G. (2013). **BAR International Series** 2558, 99-110.
 67. * Chrysoula Christia, Eva Papastergiadou, George Papatheodorou, Maria Geraga, Emmanouil Papadakis, (2014). **Environmental Earth Science** DOI 10.1007/s12665-013-2746-8.
 68. * Friedrich, J., Janssen, F., (...), Papatheodorou, G., Pfannkuche, O., Prien, R., Rehder, G., C. J. Schubert, T. Soltwedel, S. Sommer, H. Stahl, E. V. Stanev, A. Teaca, A. Tengberg, C. Waldmann, Wehrli, B., Wenzhöfer, F. (2014). Investigating hypoxia in aquatic environments: Diverse approaches to addressing a complex phenomenon. **Biogeosciences**, 11(4), 1215-1259.
 69. * Charalampakis, M., Lykousis, V., Sakellariou, D., Papatheodorou, G., Ferentinos, G. (2014). **Marine Geology**, 351, 58-75.
 70. * Papatheodorou George, Maria Geraga, Dimitris Christodoulou, Margarita Iatrou, Elias Fakiris, Stuart Heath and Kalliopi Baika (2014). **Mediterranean Archaeology and Archaeometry**, Vol. 14, No 1, pp. 357-371.
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 76. Geraga, M., G. Papatheodorou, G. Ferentinos, E. Fakiris, D. Christodoulou, N. Georgiou, X. Dimas, M. Iatrou, S. Kordella, G. Sotiropoulos, V. Mentogiannis, K. Delaporta (2015) **Archaeologia Maritima Mediterranea - An International Journal on Underwater Archaeology**, v. 12, pp. 183-200.
 77. * Ioakeimidis C., G Papatheodorou, G. Fermeli, N. Streftaris, E. Papathanassiou (2015) **SpringerPlus** 4:463 DOI 10.1186/s40064-015-1248-4.
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 79. * Zelilidis, A., Papatheodorou, G., Maravelis, A. G., Christodoulou, D., Tserolas, P., Fakiris, E., Dimas, X., Georgiou, N., Ferentinos G. (2016). Interplay of thrust, back-thrust, strike-slip and salt tectonics in a Fold and Thrust Belt system: An example from Zakynthos Island, Greece. **International Journal of Earth Sciences**. DOI 10.1007/s00531-016-1299-y.
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 83. *Beckers, A., Beck, C., Hubert-Ferrari, A., E., Tripsanas, C., Crouzet, D., Sakellariou, Papatheodorou, G., De Batist, M. (2016) **Marine Geology**, 378, pp. 312-332.
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 88. *Sini, M., (...) G. Papatheodorou, M. Salomidi, K. Topouzelis, V. Trygonis, V. Vassilopoulou and

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