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Papastergiou, G., Filippidis, A., Christofides, G., Kassoli-Fournaraki, A., Fernández-Turiel, J. L., Georgakopoulos, A. and Gimeno, D.	1491
<i>Trace element contents in uncultivated surface soils in the Kavala area, northern Greece</i>	
Stefanova, M., Marinov, S. P., Gonsalvesh, L., Mastral, A., Callen, M. and Gadjanov, P.	1499
<i>PAHs in fly ash from lignite combustion</i>	
Zotiadis, V. and Kollios, A.	1505
<i>Assessment of hydrocarbons subsoil and groundwater pollution in a refinery occupied property at the old industrial zone of Athens - Pireaus, Greece</i>	
Φυσική Γεωγραφία- Γεωμορφολογία	
Physical Geography- Geomorphology	
Alexouli-Livaditi, A., Vouvalidis, K., Livaditis, G. and Pechlivanidou, S.	1513
<i>Drainage network characteristics of Athens plain at the end of the 19th century</i>	
Foutrakis, P., Poulos, S., Maroukian, H. and Livaditis, G.	1522
<i>A study of the deltaic coast morphometry of river Pinios in relation to its hydro- & sediment dynamics</i>	
Karamousalis, Th., Poulos, S., Maroukian, H. and Ghionis, G.	1530
<i>Geomorphological characteristics of the sand-dune field of the central Kyparissiakos Gulf</i>	
Karymbalis, E., Gaki-Papanastassiou, K. and Maroukian, H.	1538
<i>Recent geomorphic evolution of the fan delta of the Mornos river, Greece: natural processes and human impacts</i>	
Kontou, A., Gaki-Papanastasiou, K. and Maroukian, H.	1552
<i>Comparative geomorphological observations in two groups of alluvial fans of Sperchios and Eurotas regions, Greece</i>	
Lykoudi, E. and Antoniou, M.	1566
<i>Study of natural mechanisms for the supply of transported materials to the Ag. Varvara coast (Lesvos island)</i>	
Pagonas, M. and Kontopoulos, N.	1578
<i>Morphometric and hydrographic characteristics of torrents of NW Peloponnese, Greece</i>	
Palyvos, N., Pantosti, D., Stamatopoulos, L. and De Martini, P.M.	1586
<i>Geomorphological reconnaissance of the Psathopyrgos and Rion-Patras Fault zones (Achaia, NW Peloponnesus).</i>	
Papadopoulou, K. and Vriniotis, D.	1599

Quality of soil and water in deltaic deposits of Louros and Arachthos rivers related to karstic rocks of the wider area

- Pehlivanoglou, K.G. and Martsoukou, M. 1609
The foreshore zone determination according to the Greek legislation, using geologic and oceanographic data
- Sambaziotis, E. and Fountoulis, I. 1621
Estimation of flash flood hazard in the Pidima-Arfara area (Messinia, SW Greece), based on the study of instantaneous unitary hydrographs, longitudinal profiles and stream power

Τεχνικά έργα και Γεωεφαρμογές
Engineering Works and Geological Applications

- Chatzangelou, M. and Christaras, B. 1634
Influence of the geometric characteristics of wedges on the safety of Vrasna tunnel in Egnatia highway, N. Greece
- Douveas, N., Kavadia, D. and Papadopoulou, P. 1644
Geotechnical foundation conditions of Mesologion swimming pool center
- Georgiadis, G.A., Tranos, M.D., Makedon, T.K. and Dimopoulos, G.C. 1652
Contribution of geological mapping in road construction: an example from Veria – Kozani National road, Kastania area
- Konstantopoulou, G. and Vacondios, I. 1664
Engineering geological map of the urban area of Kastoria, NW Greece
- Kosiari, S. 1674
Study of northern Evia's ultramafic rocks as skid-resistant aggregates in pavement construction mountain (central Greece): correlations and evaluation
- Koukis, G., Sabatakakis, N. and Lainas, S. 1683
Soil suitability estimation for housing purposes in landslide-prone areas. The case of Karya village, Patras, W. Greece
- Koukis, G., Sabatakakis, N. and Papanakli, S. 1695
Laboratory testing properties of sandstones
- Loupasakis, C. and Karfakis, J. 1703
Preservation of villages constructed on sliding areas – a case study from Karditsa Prefecture, Greece
- Matziaris, V., Ferentinou, M., Agelopoulou, O., Karanassiou, S. and Sakellariou, M. 1710
Landslide hazard analysis – a case study in Kerasia village (prefecture of Karditsa)
- Pyrgiotis, L., Koukis, G. and Sabatakakis, N. 1722
Rainfall and landslides in Karditsa county (Greece): a statistical approach
- Tsatsanifos, C., Kontogianni, V. and Stiros, S. 1733
Tunneling and other engineering works in volcanic environments: Sousaki and Thessaly
- Vacondios, I., Konstantopoulou, G. and Karadassi, S. 1741
The contribution of clay minerals in the landslides occurrence within Pindos flysch

formation

Vargemezis, G., Gerolymatos, E. and Aggelopoulos, A. <i>Electrical Tomography and VLF methods contribution to underground wastewater pipe construction</i>	1749
Γεωεπιστήμες και Πολιτισμός Geosciences and Culture	
Bathrellos, G.D., Skilodimou, H.D. and Chrysanthaki, I. <i>Building and constructive materials as an urban geological resource in Trikala prefecture</i>	1759
Dierckx, H. M. C. and Tsikouras, B. <i>Petrographic characterization of rocks from the Mirabello bay region, Crete, and its application to Minoan archaeology: the provenance of stone implements from Minoan sites</i>	1768
Fassoulas, C., Paragamian, K. and Iliopoulos, G. <i>Identification and assessment of Cretan geotopes</i>	1780
Iordanidis, A., Garcia-Guinea, J. and Karamitrou-Mentesidi, G. <i>Characterisation of Mycenaean and matt-painted pottery from Aiani, ancient upper Macedonia, Greece</i>	1769
Loupasakis, C. and Nikolaou, N. <i>Safety assessment and protection of monuments located in caves – a case study from the city of Volos, Greece</i>	1808
Meléndez, G., Fermeli, G. and Koutsouveli, A. <i>Analyzing Geology textbooks for secondary school curricula in Greece and Spain: Educational use of geological heritage</i>	1819
Mertzanis, A., Karetso, G., Smyrni, V., Efthimiou, G. and Zakynthinos, G. <i>National Park of Iti: Environmental and geomorphological impacts from the mining activity (Greece)</i>	1833
Sakellariou, D. <i>Remote sensing techniques in the search for ancient shipwrecks: how to distinguish a wreck from a rock in geophysical recordings</i>	1845
Tsipoura-Vlachou, M. and Michopoulos, K. <i>Characterization and causes of the building stone decay at the Artemis temple, Brauron, E. Attica, Greece</i>	1859
Zambetakis-Lekkas, A. and Elefanti, P. <i>Micropaleontology and biostratigraphy efficient tools in archaeological research. Raw material provenance in the upper Palaeolithic Kastritsa cave, Ioannina region (Greece)</i>	1874
Zouros, N., Velitzelos, E., Valiakos, I. and Labaki, O. <i>The Plaka petrified forest park in western Lesvos – Greece</i>	1880

**Νέες τεχνολογίες στη Γεωφυσική και Γεωλογική Έρευνα
New Technologies in Geophysical and Geological Research**

Alexopoulos, J.D., Tomara, V., Vassilakis, E., Papadopoulos, T.D., Dassenakis, 1892

M., Poulos, S., Voulgaris, N., Dilalos, S., Ghionis, G., Goumas, G. and Pirlis, E.
*A contribution to environmental research of the Korissia coastal wetland (Corfu
isl., Greece), with the application of combined geological and geophysical
methods supported by Geographic Information Systems*

Bathrellos, G.D. and Skilodimou, H.D.	1904
<i>Using the analytic hierarchy process to create an erosion risk map. A case study in Malakasiotiko stream, Trikala prefecture</i>	
Bedini, E.	1916
<i>Use of GIS and Remote Sensing to detect change along the coastline segment between Shkumbini and Semani rivers, central Albania</i>	
Beqiraj, A., Alikaj, P., Lamaj, M., Muceku, Y., Çanga, B. and Leka, G.	1925
<i>Geological-geophysical study for the design of a hazardous waste landfill in Albania</i>	
Charalambous, S. and Sakellariou, M.	1934
<i>Estimation of rockfall hazard using a GIS-based three-dimensional rockfall simulation model</i>	
Fakiris, E., Papatheodorou, G. and Panagiotopoulos, P.	1947
<i>An innovative data mining procedure, using clean algorithm and factor analysis, for irregularly sampled temporal environmental data sets</i>	
Kokkalas, S., Jones, R. R., McCaffrey, K. J. W. and Clegg, P.	1959
<i>Quantitative fault analysis at Arktisa, Central Greece, using Terrestrial Laser- Scanning ("LIDAR")</i>	
Ladas, I., Fountoulis, I. and Mariolakos, I.	1973
<i>Using GIS & Multicriteria Decision analysis in landslide susceptibility mapping – a case study in Messinia prefecture area (SW Peloponnesus, Greece)</i>	
Marinos P.G., Novack M., Benissi M., Stoumpos G., Panteliadou M., Papouli D., Marinos V. and Korkaris K.	1986
<i>Evaluation of ground information with respect to EPB tunnelling for the Thessaloniki metro, Greece</i>	
Nikolakopoulos, G.K., Vaiopoulos, D.A. and Skianis, G.A.	1998
<i>A preliminary approach on the use of satellite hyperspectral data for geological mapping</i>	
Paradisopoulou, P.M., Papadimitriou, E.E., Karakostas, V.G. and Kilias, A.	2008
<i>Application for source parameters calculations as input for static stress changes studies</i>	
Parcharidis, I., Foumelis, M. and Lekkas, E.	2020
<i>Vertical tectonic motion in Andaman Islands detected by multi-temporal satellite radar images</i>	
Rontogianni, S., Clarke, P., King, M., Lavallée, D., England, P., Parsons, B. and Floyd, M.	2032
<i>Strain rates in Greece using GPS measurements from 1994-2000</i>	
Skianis, G.A., Vaiopoulos, D.A. and Nikolakopoulos, G.K.	2048
<i>A study of the performance of the MSR vegetation index, using probabilistic and geostatistical methods</i>	
Vargemezis, G., Tsourlos, P., Papazachos, C. and Kostopoulos, D.	2060
<i>Application of Electrical Resistivity Tomography to the detection of the Ermakia Ψηφιακή Βιβλιοθήκη Θεόφραστος - Τμήμα Γεωλογίας. Α.Π.Θ.</i>	

(Northern Greece) cavity system

Vassilopoulou, S., Chousianitis, K., Sakkas, V., Damiata, B. and Lagios, E. 2070
GIS development for ground deformation data management. A case study in Cephalonia island (western Greece)