

CURRICULUM VITAE

Name: **Grigorios N. Tsokas**
Nationality: Greek
Born: 4 July 1956



Present position:

Professor of Exploration Geophysics since 12/2000.

Director: Laboratory of Exploration Geophysics, School of Geology, Aristotle Univ. of Thessaloniki

Executive Editor: “Archaeological Prospection”

Vice President: “ISAP International Society for Archaeological Prospection”

Head: Carriers Office, Aristotle University

Former career:

Associate Professor of Exploration Geophysics 4/1997- 12/2000

Assistant Professor of Exploration Geophysics 1/1992- 4/1997

Lecturer of Exploration Geophysics 3/1989 - 11/1992

Geophysical Lab., Dept. of Geology, Univ. of Thessaloniki

Geophysical resident programmer, Public Petroleum Corporation 8/1987 - 3/1989

Research assistant of the Geophysical Laboratory of the University of Thessaloniki 1985-1987.

Geophysicist of the Geological Survey of Greece (I.G.M.E.) 1983-1984

Education:

B.Sc in Physics-University of Thessaloniki, Greece, 1979

M.Sc in Exploration Geophysics-Leeds University, U.K, 1980

Ph.D. in Exploration Geophysics-University of Thessaloniki, Greece, 1985

Sabbaticals:

1988, Western Geophysical Company of America, Hounslow, London

1990, Dept. of Electronics, Univ. of York, U.K. (as invited researcher)

1994, Colorado School of Mines, U.S.A. (as visiting professor)

Languages:

Greek (Native language), English (Proficiency of Oxford University), French (elementary) .

Expertise Interests:

Archaeological Prospection, Potential fields Theory and Practice, Complex attributes of potential fields' signals, Mineral Exploration.

Short visits to foreign Geophysical Centers:

- A. Institute of Minerals, Saint Petersburg, Russia, December 1992
- B. CNRG, Garcy, France, April 1990, February 1992.
- C. Institute fur Geophysicalische Wissenschaften, Freie Universitat, Berlin, Three visits during 1992,1993.
- D. Nara National Cultural Properties Research Institute, Nara-Shi, Japan, February 1996.
- E. Consiglio Nazionale delle Ricerche. Istituto per la Technologie Applicate ai Beni Culturali, Roma. August 1998.
- F. KIGAM. Korean Institute of Geosciences and Mineral Resources. Novemeber – December 2009.
- G. Department of Ancient History, Faculty of arts, MacQuarie University, Sydney, Australia. Visiting Professor, July-August 2017.

Member:

1. European Association of Exploration Geophysicists since 1983.
2. Hellenic Geophysical Union since 1983.
3. Hellenic Archaeometrical Union since 1985.
4. Society of Exploration Geophysicists since 1992.
5. Balkan Geophysical Society since 1992.
6. International Society for Archaeological Prospection (ISAP) since 2002

Data Acquisition and Processing Experience:

- I. Magnetic, Ground Penetrating Radar, resistivity and Resistivity Tomography Ssurveys of the overall about 340 sites in Greece and abroad, including the archaeological sites of Acropolis of Athens, Helice, Helike, Dion, Verghina, Kastas tumulus in Amphipolis, Center of Athens, Europos, Center of Piraeus, Investigations at the walls of Thessaloniki, Marathon, Efpalinos Tunnel in Samos, Mitrou Island, Vouthroto (Albania), Failaka (Kuwait), Irbid (Jordan) etc.**
- II. Forensic investigations for detecting sewage pipe in Chalcidice, on behalf of the Hellenic Police and on behalf of the Hellenic army for the unknown graves of the soldiers fallen in the WWII**
- III. Gravity measurements at Milos and Kimolos Islands, Sithonia granodiorites and sulphides (Chalkidiki, N.Greece).**
- IV. Processing and Interpretation of Bouguer anomaly readings of Milos, Kimolos, Nestos estuary (N. Greece), Thessaloniki basin, Chalkidiki peninsula. Special processing of the gravity data of Cyprus, Greece, Albania, Former Yugoslavia, Adriatic Sea, Italy and Tyrranean Sea. Crustal studies using the same data.**
- V. Partial Building of the Geodetic Reference Framework of Albania (partial construction of the first, second and third order gravity network).**
- VI. Compilation of the aeromagnetic map of Macedonia and Thrace Regions of N. Greece.**

- VII. Magnetic measurements of Pontokerasia (N. Greece) for Bauxites Parnassos S.A., Anthemous basin for I.G.M.E., Parnassos bauxite mines area for Silver and Barite S.A. Leader of the investigations for Chromite ore bodies at Vourino (N. Greece).
- VIII. Processing and Interpretation of ground magnetic and aeromagnetic data of N. Greece for Curie point estimation and specific treatment of the data of particular locations for mineral exploration and study of the ophiolite masses and granitic intrusions, Albania for studies of the ophiolite zones, Island of Crete for Curie point estimations and study of ophiolites, Milos and Kimolos islands, Cyprus for studying the ophiolites .
- IX. Processing of Seismic data of various project of the Public Petroleum Corporation.
- X. Computer aided interpretations of various Geophysical data under different Geological settings. Experience in various systems and trained in "Western Geophysical" seismic processing and interpretation package (Hounslow, London).
- XI. Deep Electrical Soundings in Duns (Scotland), Milos and Kimolos islands, Nestos estuary, Anthemous and Mygdonia basins near Thessaloniki.
- XII. Structural and ground water surveys employing resistivity, refraction and V.L.F. in Archangelos (N.Greece), Pieria, Allumina plant (in Boiotia), Sithonia granodiorites, Kalymnos island.
- XIII. Engineering Projects: Assessment of the Poisson ratio and near surface structure determination in Herakleion, Thebes, Lemessos, Pafos, Metro tunnel of Thessaloniki and Athens. Karstik Cavity search at the construction of the Athens-Thessaloniki motorway. Assessment of near surface structure and detection of ancient wells in front of the TBM cutter head at the construction of the Athens. Ground quality assessment employing ERT, electrical testing and MASW at the Aeolian parks at Aerorrahi at Nymfaion, Karystos and Cithaeron. Electrical Resistivity Testing for the gas pipe IGI POSEIDON, Consulting services for the supervision of the geophysical works for the Detailed Marine Survey in the framework EastMed Pipeline.
- XIV. Data evaluation for the sedimentary basins along the central Greek gas pipe and its branches. Experts Opinion about the shallow drillings for the conduct of seismic survey in Epirus.
- XV. T.E.M. experiments on the utility of the method for archaeological site search (Europos), boxite ore exploration in Central Greece.
- XVI. Ground Penetrating Radar, resistivity and resistivity tomography surveys for karstik cavities in Akropotamos dam, Croussovitis dam , Nikopolis, Athens Metro, National highway, Thessaloniki Metro, etc.

Participation into National Committees:

- I. Member of the National committee handling the legacy data of the investigations for hydrocarbon resources.
- II. Member of the National committee carrying out the international call for bidders for the non-exclusive seismic data acquisition offshore western and southern Greece

- III. Member of the National committee for shale gas and oil prospects in Greece
- IV. Member of the National committee for granting the licenses for the hydrocarbon concessions in Ioannina, Patraikos gulf and Katakolon.
- V. Member of the National committee for granting the licenses for the hydrocarbon concessions in Arta, Achaia Patraikos gulf and Katakolon.

International awards:

- 1. **G.N. Tsokas, P.I. Tsourlos and J.E. Szymanski. Square array resistivity anomalies and inhomogeneity ratio calculated by the finite element method. "Geophysics", 62, 426-435, 1997. Announced by the "Mining Journal" as the best work on the electrical methods of exploration geophysics for the year 1997.**
- 2. *Best paper of the 7th International Conference on Archaeological Prospection (Nitra Slovakia, 2007)*
- 3. *Best paper of the 8th International Conference on Archaeological Prospection (Paris, France, 2009)*

Distinctions:

- A. Invited paper to 'First Break' on Archaeological Geophysics (1986, N0 6)
- B. Invited speaker of the Romanian Academy on Archaeological Geophysics (1988).
- C. Invited Lecturer of the Institute of Thracology. Summer 1989.
- D. Editor of the P.A.C.T 45 volume hosting the proceedings of the 2nd Southern European conference on Archaeometry. Delphi, 19-21, April, 1992.
- E. Editor of the volume "Geophysical Exploration of Archaeological Sites", Vieweg Verlag, 1993.
- F. *Associate Editor of the international journal " Archaeological Prospection" 1994-2001*
- G. *Editor of the Journal of the Balkan Geophysical Society since 1997-2005*
- H. *Editorial board of the international journal " Mediterranean Archaeology and Archaeometry " since 2000.*
- I. *Associate Editor of the international journal "Archaeological and Anthropological Sciences" (Springer Publications) since 2009.*
- J. *Vice president ISAP (International Society for Archaeological Prospection) 2015 – 2019.*
- K. *Executive Editor of the international journal " Archaeological Prospection" since 2017*

PUBLICATIONS:

Books, Maps

1) A. Stampolidis, **G.N. Tsokas** and A. Aggelopoulos. The aeromagnetic map of Macedonia and Thrace, IGME- Dept. of Geophysics, Aristotle University of Thessaloniki, 1997.

2) **G.N.Tsokas**, G. Vargemezis, P.I. Tsourlos, S. Drougou, Ch.Saatsoglou-Paliadeli. Archaeology and Geophysics: exploring the archaeological site of Verghina (1984-2004). University Studio Press, Thessaloniki, pp.107, 2006. (in Greek).

Theses

1) A deep electrical sounding 10.5 km west of Duns in Scotland. "M.Sc. thesis, University of Leeds ", p. 67, 1980.

2) Geophysical Exploration of the islands Milos and Kimolos "Ph. D. Thesis, University of Thessaloniki ", p. 201, 1985.

Papers in international journals and proceedings of international conferences.

1) **G.N. Tsokas**. A brief review on the applicability of Geophysical methods for detection of the subsurface cavities. "Proceedings of the International meeting on the show caves and their problems", Athens, September 1-3, 161-168, 1983.

2) C.Thanassoulas and **G.N. Tsokas**. A microcomputer program for Tsuboi's method of gravimetric interpretation. "First Break", 3, 6, 11-22, 1985.

3) St.P.Papamarinopoulos, **G.N. Tsokas** and H. Williams. Magnetic and electric measurements on the island of Lesbos and the detection of buried ancient relics. "Geoexploration", 23, 483-490, 1985.

4) C.Thanassoulas and **G.N.Tsokas**. A simple basic program for computing terrain corrections on a microcomputer. "Computers and Geosciences", 12, 1, 89-91, 1986.

5) **G.N.Tsokas** and A.Ch. Rocca. Geophysical prospecting at archaeological sites with some examples from northern Greece. "First Break", 4, 8, 31-39, 1986.

6) **G.N.Tsokas**, A.Ch.Rocca and B.C.Papazachos. Magnetic prospecting at the Prehistoric site of the village Mandalo in Northern Greece. "P.A.C.T.", 15,143-152, 1986.

7) **G.N.Tsokas**, A.Ch. Rocca and B.C. Papazachos. Some Aspects concerning the application of Geophysical Prospecting Methods at the Archaeological site of Dion. "P.A.C.T.", 15,153-162, 1986.

8) St.P.Papamarinopoulos, **G.N.Tsokas** and H. Williams. Electric resistance and resistivity measurements and magnetic mapping of the Archaeological relics on the castle of Mytilene. "Bolletino di Geofisica Teorica ed Applicata", XXVIII,111-112, 299-309, 1986.

9) **G.N.Tsokas** and A.Ch.Rocca. Field investigation of a Macedonian Tumulus by resistivity soundings. "Geoexploration", 24, 99-108, 1987.

10) C.Thanassoulas, **G.N.Tsokas** and N.Kolios. Geophysical investigations in the Geothermal field in the Delta of the Nestos River (Northern Greece). "Geothermics", 16,1, 17-26, 1987.

11) **G.N.Tsokas** and L.G.Kyriakidis. On a forward deconvolution process applied to magnetic data from archaeological sites. "Proceedings of the International symposium on Engineering Geology as related to the study, Preservation and Protection of ancient works, monuments and Historical sites", Marinou and Koukis (eds), Balkema, 112, 1-1124, 1988.

- 12) **G.N.Tsokas** and Ch.Saatsoglou-Paliadeli. The Discovery of the relics of a complex of walls in ancient Aegae (Verghina, N. Greece) by Geophysical investigations. "Archaeophysika", 25, 435-437, 1988.
- 13) **G.N.Tsokas**. Recent prospecting results from Ancient Aegae (Verghina, N.Greece). "Proceedings of the International symposium on Engineering Geology as related to the study, Preservation and Protection of ancient works, monuments and Historical sites", Marinos and Koukis (eds), Balkema, 1131-1134, 1988.
- 14) St. Papamarinopoulos and **G.N.Tsokas**. Geophysical studies in Eastern Crete for the detection of ancient relics at Kavousi. "Proceedings of the International Symposium on Engineering Geology as Related to the study, Preservation and Protection of ancient works, monuments and historical sites", Marinos and Koukis (eds), Balkema, 1137-1142, 1988.
- 15) L.G. Kiriakidis, M. Loukoyiannakis and **G.N. Tsokas**. The basement morphology at the Eastern sector of the Prinos-Nestos oil bearing basin. N.Greece. "Bulgarian Geophysical Journal", XIV, 1, 56-67, 1988.
- 16) **G.N.Tsokas** and Liritzis, Y.Resistivity prospecting in the centre of Athens for the detection of buried Antiquities. "Prospezioni Archaeologishe", 1, 133-143, 1990.
- 17) L.G. Kiriakidis, **G.N. Tsokas** and S. Nikolaou. Methods of applied geophysics employed in Archaeological sites in Greece. "Studies and Researches in Geophysics", Journal of Romanian Academy of Sciences, 25, 78-87, 1987.
- 18) C.Thanassoulas and **G.N.Tsokas**. A Geothermal field model built up from Geophysical and Thermal prospects in Nea Kessani (N.E. Greece). "Geothermics", 19, 1, 77-85, 1990.
- 19) N.Xanthopoulos, **G.N.Tsokas**, S.Nikolaou and L.Kiriakidis. Geophysical investigations at the northern side of the Axios River Basin (N. Greece). "Bulgarian Geophysical journal", XVI, 4, 53-62, 1990.
- 20) **G.N.Tsokas** and K.Dimitropoulos. Can the Geophysical maps over buried ancient sites reveal specific structures, if correlated to predetermined signals? "Theory and practice of Applied Geophysics", 4, Geophysical Data Inversion methods and applications", Vogel, A. Ofoeghu,G.O., Gorenflo,R. and Ursin B. (eds), Vieweg, 297-313, 1989.
- 21) Dimitropoulos, K. and **G.N. Tsokas**. Application of new space domain second derivative operators on model data. "Bulgarian Geophysical journal", XVII, 2,55-62, 1991.
- 22) **G.N.Tsokas**, C.B.Papazachos, M.Z. Loucoyannakis and O.Kavousova. Geophysical data from archaeological sites: Inversion filters based on the vertical sided finite prism model. "Archaeometry", 33, 2, 215-230, 1991.
- 23) **G.N.Tsokas** and C.B.Papazachos. The applicability of two dimensional inversion filters in magnetic prospecting for buried antiquities. "Theory and practice of Applied Geophysics",5, Theory and practice of Geophysical Data Inversion, Vogel,A., Sarvar, A.K.M., Gorenflo,R. and Kounchev,O.I. (Eds), Vieweg 121-144, 1990.

- 24) **G.N.Tsokas**. Large scale exploration of the archaeological site of Europos in N.Greece combining various geophysical techniques. Proceedings of BPU1, Thessaloniki 26-28 September, 1991.
- 25) **G.N.Tsokas** and C.B. Papazachos. Two-dimensional inversion filters in magnetic prospecting: Application to the exploration for buried antiquities. "Geophysics", 57, 8, 1004-1013, 1992.
- 26) **G.N.Tsokas**. An Investigation of the effectiveness of inverse filtering in the geophysical search of archaeological sites. Theory and Practice of Applied Geophysics, 7, Geophysical Exploration of Archaeological sites, 73-88, 1993.
- 27) P. Karmis and **G.N. Tsokas**. Time domain T.E.M. in the search for buried antiquities: a field experiment. "Theory and Practice of Applied Geophysics", 7, Geophysical Exploration of Archaeological sites, 123-138, 1993
- 28) S.P. Papamarinopoulos, **G.N.Tsokas**, M. Lakaki, T. Savopoulou. Advanced Geophysical prospecting processing of field data and practical results. "Theory and Practice of Applied Geophysics", 7, Geophysical Exploration of Archaeological sites, 149-160, 1993.
- 29) C.B.Papazachos, **G.N.Tsokas**. A FORTRAN program for the computation of 2-Dimensional inverse filters in magnetic prospecting. "Computers and Geosciences", 19, 5, 705-715, 1993.
- 30) B.C. Papazachos, P.M. Hatzidimitriou, G.F. Karakaisis, C.B. Papazachos, **G.N. Tsokas**. Rupture zones and active crustal deformation in southern Thessalia, Central Greece."Bolletino di Geofisica Teorica ed applicata", XXXV, 139, 363-374, 1993.
- 31) **G.N. Tsokas**, A. Giannopoulos, P.Tsourlos, G. Vargemezis, J.M. Tealby, A. Sarris, C.B. Papazachos, T. Savopoulou. A large scale geophysical survey in the archaeological site of Europos (northern Greece). "Journal of Applied Geophysics", 32, 85-98, 1994
- 32) **G.N.Tsokas**, Gravity and magnetic expression of the concealed basic and ultrabasic bodies in Chalkidiki, Northern Greece. "PAGEOPH", 144, 1, 117-134, 1995.
- 33) **G.N. Tsokas** and R.O. Hansen. A comparison of inverse filtering and multiple source Werner deconvolution for model archaeological problems. "Archaeometry", 37, 1, 185-193, 1995.
- 34) **G.N. Tsokas**, C.B. Papazachos, A. Vafidis, M.Z. Loukoyiannakis, G. Vargemezis and K.Tzimeas. The detection of monumental tombs in tumuli by refraction seismics. "Geophysics", 60, 6, 1735-1742, 1995.
- 35) **G.N. Tsokas**, R.O. Hansen, M. Fytikas, G.D. Vassilelis, C. Thanassoulas. Geological and Geophysical study of the island of Kimolos (Greece) and Geothermal implications. "Geothermics", 24, 5/6, 679-693, 1995.
- 36) A. Vafidis, **G.N. Tsokas**, M.Z. Loukoyiannakis, K. Vasiliadis, C.B. Papazachos, G. Vargemezis. Feasibility Study on the use of seismic methods in detecting monumental tombs buried in tumuli. "Archaeological Prospection", 2, 119-128, 1995.
- 37) **G.N. Tsokas**, G. C. Chrisofides, C. Papakonstantinou. A geophysical study of the granites and the sedimentary basins of the Xanthi area (N. Greece). "PAGEOPH", 146, 2, 365-392, 1996.

- 38) **G.N. Tsokas**. Interpretation of the Bouguer anomaly of Milos Island (Greece). "Journal of Volcanology and Geothermal Research", 72,163-181, 1996.
- 39) C.B. Papazachos, P. Hatzidimitriou, D. Panagiotopoulos and **G. N.Tsokas**. Tomography of the crust and upper mantle in SE Europe. "Journal of Geophysical Research", 100, 12405-12422, 1995.
- 40) **G.N. Tsokas**, A. Giannopoulos, P. Tsourlos, T. Savopoulou. Pattern recognition based on correlograms: a case study in Europos (N. Greece). PACT 45, 1994. 421-437, 1997.
- 41) **G.N. Tsokas** and P. Tsourlos. Transformation of the resistivity anomalies from archaeological sites by inversion filtering". "Geophysics", 62, 36-44, 1997.
- 42) **G.N. Tsokas**, P. Tsourlos, P. Soupios, C. Fassoulas and E. Kaloidas. On the ophiolites and the concealed magnetic bodies of the island of Crete (Greece). "Ofioliti", 21, 153-157, 1996.
- 43) **G.N. Tsokas** and R.O. Hansen. Study of the crustal thickness and the subducting lithosphere in Greece from gravity data. "Journal of Geophysical Research", 102, 20585-20597, 1997.
- 44) K. Kheir, **G.N. Tsokas** and T. Sawaf. Crustal structure of the northern Levant region: multiple source Werner deconvolution estimates for Bouguer gravity anomalies. "Geophys. J. Int.", 128,605-616, 1997.
- 45) **G.N. Tsokas**, P.I. Tsourlos and J.E. Szymanski. Square array resistivity anomalies and inhomogeneity ratio calculated by the finite element method. "Geophysics", 62, 426-435, 1997.
- 46) **G.N. Tsokas**, G. Vargemezis, P. Marinis and B. Perleros. Prospecting for carstic cavities on the course of the new motorway in Yliki by means of GPR (Ground Penetrating Radar). Proceedings of the International Symposium on Engineering Geology and Environment, organized by the Greek National Group of IAEG/Athens/ 23-27 June 1997. Marinis, Koukis, Tsiambaos and Stournaras, Eds.1091-1096, 1997.
- 47) G. Vargemezis, J. Zlotnicki, **G.N. Tsokas**, B. C. Papazachos and E. Papadimitriou. Monitoring of the geomagnetic and geoelectric field in two regions of Greece for the detection of earthquake precursors. Annali di Geofisica, XL,2, 375-384, 1997.
- 48) **G.N. Tsokas**, A.Sarris, M.Pappa, M. Bessios, C.B. Papazachos, P. Tsourlos and A. Giannopoulos. A Large scale magnetic survey in Makrygialos (Pieria), Greece. Archaeological Prospection, 4, 123-137, 1997.
- 49) P.I. Tsourlos, J.E. Szymanski and **G. N. Tsokas**. A smoothness constraint algorithm for the fast 2-D inversion of DC resistivity data. Journal of the Balkan Geophysical Society, 1,1, 3-13,1998.
- 50) **G.N. Tsokas** , R.O. Hansen and M. Fytikas. Curie point of the island of Crete (Greece). PAGOPH, 152, 747-757, 1998.
- 51) **G.N. Tsokas**, A. Stampolidis, A.D. Angelopoulos and S. Kiliias. Analysis of potential field anomalies in Lavrion mining area, Greece. Geophysics, 63,6, 1965-1970, 1998.
- 52) K.M. Ermokhin, **G.N. Tsokas**, P. Tsourlos and V.V. Glasunov. Calculation of the azimuthal inhomogeneity ratio response of 3-D structures using analytical forward modelling scheme. Journal of the Balkan Geophysical Society, 1, 4, 53-53, 1998.

- 53) D. Jongmans, K. Pitilakis, D. Demanet, D. Raptakis, J. Riepl, C. Horrent, **G.N. Tsokas**, K. Lontzetidis and P.-Y. Bard. EURO-SEISTEST: Determination of the geological structure of the Volvi basin and validation of the basin response. *Bulletin of the Seismological Society of America*, 88,2, 473-487, 1998.
- 54) A. Savvaidis, **G.N. Tsokas**, Y. Liritzis and M. Apostolou. The location and mapping of ancient ruins on the castle of Lefkas (Greece) by resistivity and GPR methods. *Archaeological Prospection*, 6, 63-73, 1999.
- 55) A. Savvaidis, **G.N. Tsokas**, G. Vargemezis and G. Dimopoulos. Geophysical prospecting in the Akropotamos dam (N. Greece) by G.P.R. and V.L.F. methods, *Journal of the Balkan Geophysical Society*, 2,4, 120-127,1999.
- 56) A. Savvaidis, **G.N. Tsokas**, P. Soupios, G. Vargemezis, M. Manakou, P. Tsourlos and I. Fikos. Geophysical prospecting in the Krousovitis dam (N. Greece) by seismic and resistivity methods, *Journal of the Balkan Geophysical Society*, 2,4, 128-138,1999.
- 57) K. Khair and **G.N. Tsokas**. Nature of the Levantine (eastern Mediterranean) crust from multiple source Werner deconvolution of Bouguer gravity anomalies. *Journal of Geophysical Research*, 104, B11, 25469-25478, 1999.
- 58) P.I. Tsourlos, J.E. Szymanski and **G. N. Tsokas**. The effect of terrain topography on commonly used resistivity arrays. *Geophysics*, 64, 5, 1357-1363, 1999.
- 59) A. Savvaidis, L.B. Pedersen, **G.N. Tsokas**, and G.J. Dawes. Structure of the Mygdonia basin (N. Greece) inferred from M.T. and Gravity data. *Tectonophysics*, 317, 171-186, 2000.
- 60) P.I. Tsourlos, J.E. Szymanski and **G. N. Tsokas**. 2-D Non linear inversion of resistivity data arising from archaeological sites. *Prospezioni Archeologiche, «Special issue on Filtering Optimization and Modeling of Geophysical Data in Archaeological Prospecting»*, 167-182, 2000.
- 61) **G.N. Tsokas** and R.O. Hansen. On the use of complex attributes and the inferred source parameter estimates in the exploration of archaeological sites. *Archaeological Prospection*, 7,1, 17-30, 2000.
- 62) A. Stampolidis, **G.N. Tsokas**, Eleftheriadis, G. and Kondopoulou, D. Investigation of potential fields anomalies related with the Philippi basin and granitoid intrusion, NE Greece. *Journal of the Balkan Geophysical Society*, 3,4, 59-66,2000.
- 63) H. Reci, **G.N. Tsokas**, Papazachos, C.B., Avxhiu, R. and Bushati, S. study of the crossborder field in the Sarandaporos-Konitsa area by electrical soundings. *Journal of the Balkan Geophysical Society*, 4, 2, 19-28, 2000.
- 64) S. Piro, P.I.Tsourlos and **G.N. Tsokas**. Cavity detection employing advanced geophysical techniques: a case study. *European Journal of Environmental and Engineering Geophysics*, 6, 3-31, 2001.
- 65) P. Soupios, C.B. Papazachos, C. Juhlin and **G.N. Tsokas**. Non linear three dimensional travel time inversion of crosshole data with application in the area of middle Urals, *Geophysics*, 66, 627-636, 2001.
- 66) P.I. Tsourlos, J.E. Szymanski and **G. N. Tsokas**. A generalized iterative back projection algorithm for 2-D reconstruction of resistivity data: application to data sets from archaeological sites. *Journal of Engineering and Environmental Geophysics*, 2000 (in press).
- 67) A. Savvaidis, **G.N. Tsokas**, C.B. Papazachos and D. Kondopoulou. A geophysical study of the ophiolite complex and the sedimentary basins in the

- Northwest part of Chalkidiki Peninsula. *Surveys in Geophysics*, 21, 567-595, 2000.
- 68) **G.N. Tsokas**, P. Soupios, P. Tsourlos, G. Vargemezis, A. Savvaidis, C. Paliadeli-Saatsoglou, S. Drougou. Geophysical investigations in the area between Eukleia's temple and the theater in ancient Aegae (Verghina) using various methods. *Proceedings of the 1st Conference on Physics in Culture*, Thessaloniki, October 28-30, 1999.
- 69) G. Vargemezis, **G.N. Tsokas** and Zlotnicki, J. Discussion on Telluric field and seismic activity in central Greece. *Annali di Geofisika*, 43, 3, 421-435, 2000.
- 70) G. Vargemezis, **G.N. Tsokas** and Zlotnicki, J. Energy and polarity of the telluric field in correlation with seismic activity. *Annali di Geofisika*, 44, 2, 205-220, 2001.
- 71) V. Spatharas, D. Kontopoulou, Y. Liritzis and **G.N. Tsokas**, Archaeointensity results from two ceramic kilns from N. Greece. *Journal of the Balkan geophysical Society*, 3, 4, 67-72, 2000.
- 72) **G. N. Tsokas**, Revisiting the Bouguer field of Milos by means of complex attributes. *Journal of the Balkan geophysical Society*, 3, 4, 77-86, 2000.
- 73) A. Stampolidis, **G.N. Tsokas**, D. Panagiotopoulos, D. Kondopoulou, and A. Savvaidis, Analysis of Geomagnetic Field anomalies in Leptokarya area, NE Greece. , *Journal of the Balkan geophysical Society*, 3, 4, 87-97, 2000.
- 74) I. Fikos, G. Vargemezis, **G. N. Tsokas**, P. Hatzidimitriou, G. Dimopoulos. Diachronic study of free aquifers using the method of electric tomography. *Πρακτικά του "5th International Conference on Environmental Pollution"*, pp 241-248, August 28-31, 2000, Thessaloniki.
- 75) A. Stampolidis, **G.N. Tsokas**. Curie point depths of Macedonia and Thrace, N. Greece. *PAGEOPH*, 159, 2659-2671, 2002.
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