

Dr. Andreas Tsatsaris (Professor of Geoinformatics at the Department of Topographic Engineering and Geoinformatics of PADA), specializes in Geographic Information Systems, with an emphasis on the Study of Epidemiological Phenomena in the Geographical Area. The participation of **A. Tsatsaris** concerns on the one hand the teaching of subjects of the Postgraduate Program related to spatial analysis methodologies and geospatial databases, and on the other hand, the supervision of postgraduate dissertations in the above subjects.

Experience from the participation in research projects

A. Director of the Research Laboratory of Geospatial Technology (founded with Government Gazette 823, Issue B ' / 08.03.2019)

B. Scientific Head:

- In 5 projects to highlight the cultural reserve of Greece in collaboration with the Ephorate of Antiquities of Arcadia, 2010 - 2015. (Decisions of the Research Committee: 4 /19-02-15, 20 /12-09-13 and ΑΔΑ: ΒΕΝ8Γ-ΡΚ7, Β4Θ0Γ- ΨΗΡ) and the Association of Friends of Amyklaios Apollo (Decision of the Research Committee: 20/10-09-15)
- In the project "University Graduates' Knowledge Update Program", 2015 entitled: "ENVIRONMENTAL GEOINFORMATICS".
- In a project funded by the ESF, 1993-94 between the former TEI of Athens and the Municipality of Markopoulo.

C. Member of the Research Teams:

1. Research in Spatial Epidemiology:
 - i. University of Crete, Medical School, Laboratory of Clinical Microbiology & Microbial Pathogenesis, Unit of Zoonoses, 2009-2020.
 - ii. Aristotle University of Thessaloniki, Medical School, A' Laboratory of Microbiology: Transnational Research Program, "ANTIGONE" 2012-2014.
 - iii. University of Crete, Medical School, Laboratory of Clinical Bacteriology, Parasitology, Zoonoses and Geographical Medicine, 2004 - 2010.
2. Works of the third CSF: (ARCHIMEDES I & II), 2003-2007.
 - i. "State-of-the-art technologies in Geographical Research. Study of the Geographical Parameters of Distribution and Dispersion of Spatial Phenomena: Application in Animal and Human Diseases ", 2003 -2007.
 - ii. "AAGCA, Assessment of Anthropogenic Interventions in the Greek Coastal Areas", 2004.
3. Projects for the promotion the cultural heritage of the country:
 - i. University of Peloponnese, Department of History, Archeology and Cultural Heritage Management, 2016-2017. The Vapheio-Palaiopyrgi Archaeological Survey Project
 - ii. UNIWA, 2015. "Geospatial Technology and Archaeological Research: An added value to the excavation activities of the Sanctuary of Amyklaios Apollo in Sparta. of the Research Committee: 21/08-10-15
4. ERASMUS & TEMPUS projects
 - i. TEMPUS IV, Architecture and Sustainable Urban Development Based on Eco-Humanistic Principles & Advanced Technologies without Losing Identity ", 2012-2015.
 - ii. ERASMUS IP, "Geographical Information Systems (GIS) in Environmental Management (GIS'EM)", 2011-2014.

iii. TEMPUS, "Improvement of education in the field of environmental management (IEEM)", 2009-2012.

Main Publications in the subject of the Post Graduate Programm.

ARTICLES IN INTERNATIONAL JOURNALS (Last 5 years)

- Polykretis, C., Kalogeropoulos, K., Andreopoulos, P., Faka, A., Tsatsaris, A., and Chalkias, C., 2019. Comparison of Statistical Analysis Models for Susceptibility Assessment of Earthquake-Triggered Landslides: A Case Study from 2015 Earthquake in Lefkada Island. *Geosciences, Natural Hazards (Impact Factor 1,82)*.
<https://doi.org/10.3390/geosciences9080350>
- Kalogeropoulos K., Stathopoulos N., Tsatsaris A., & Chalkias Ch, 2019. A survey of the Geoinformatics use for census purposes and the INSPIRE maturity within Statistical Institutes of EU and EFTA countries. *Annals of GIS, Vol. 25 (1)*, pages 1-12, Taylor & Francis, Print ISSN: 1947-5683 Online ISSN: 1947-5691.
<https://doi.org/10.1080/19475683.2019.1595724> (Impact Factor 0,90).
- Dilalos, S., Alexopoulos J.D., Tsatsaris, A., 2018. Calculation of building Correction for urban gravity surveys. A case study of Athens metropolis (Greece). *Journal of Applied Geophysics, Vol. 159, December 2018, Pages 540-552*,
<https://doi.org/10.1016/j.jappgeo.2018.09.036>. (Impact Factor 1,649).
- Iliopoulou, P, Tsatsaris, A, Katsios, I, Panagiotopoulou, A, Romaliades, S, Papadopoulos, B, Tselentis, Y, 2018. Risk Mapping of Visceral Leishmaniasis: A Spatial Regression Model for Attica Region, Greece. *Tropical Medicine and Infectious Diseases, 3 (3)*, 83
<https://doi.org/10.3390/tropicalmed3030083>. (Impact Factor -).
- Boukouvalas, L, Grigorakakis, G, Tsatsaris A, 2018. Cultural Routes in Kynouria of Arcadia: Geospatial Database Design and Software Development for Web Mapping of the Spatio-Historical Information. *Heritage 1(1)*, 142-162;
<https://doi.org/10.3390/heritage1010010>. (Impact Factor -).
- Fouskis, J, Sandalakis V, Cristidou, A, Tsatsaris, A, Tzanakis, N, Tselentis, Y, Psaroulaki, A, 2018. The epidemiology of Brucellosis in Greece, 2007-2012: A "One Health" approach. *Transactions of the Royal Society of Tropical Medicine and Hygiene. Published: 2018 Apr 26*.
<https://doi.org/10.1093/trstmh/try031>. (Impact Factor 2,279)
- Pergantas, P, Tsatsaris, A, Malesios, C, Kriparakou, G, Demiris, N, Tselentis Y., 2017. A Spatial Predictive Model for Malaria Resurgence in Central Greece Integrating Entomo-logical, Environmental, and Social Data. *PlosOne Published: June 29, 2017*
<https://doi.org/10.1371/journal.pone.0178836>. (Impact Factor 3,057)
- Tsatsaris, A., Chochlakis, D., Papadopoulos, B., Petsa, K., Georgalis, L., Angelakis, Em., Ioannou, I., Tselentis Y., Psaroulaki, A., 2016. Species composition, distribution, ecological preference and host association of ticks in Cyprus, *Exp Appl Acarol, Springer International Publishing*.
<https://doi.org/10.1007/s10493-016-0091-9>. (Impact Factor 1,760)

- Papa, A, Sidira, P, Tsatsaris, A, 2016. Spatial cluster analysis of Crimean-Congo hemorrhagic fever virus seroprevalence in humans, Greece. *Parasite Epidemiology and Control*, VOL.1 ISSUE 3, pp. 211-218 ISSN: 2405-6731, <https://doi.org/10.1016/j.parepi.2016.08.002> (Impact Factor 0,744)
- Papa, A, Sidira, P, Tsatsaris, A, 2016. Spatial cluster analysis of Crimean-Congo hemorrhagic fever virus seroprevalence in humans, Greece. *Parasite Epidemiology and Control*, VOL.1 ISSUE 3, pp 211-218 ISSN: 2405-6731, <https://doi.org/10.1016/j.parepi.2016.08.002> (Impact Factor 0,744)
- Papa, A, Chaligiannis, I, Kontana, N, Sourba, T., Tsioka, A, Tsatsaris A, Sotiraki, S., 2014. A novel AP92-like Crimean-Congo haemorrhagic fever virus strain, Greece. *Ticks and Tick-borne Diseases* 06/2014; 5(5), (Impact Factor 2,749) <https://doi.org/10.1016/j.ttbdis.2014.04.008>

ARTICLES IN GREEK AND INTERNATIONAL CONFERENCES (LAST 5 YEARS)

- Kalogeropoulos K., Stathopoulos N., Apostolidis V., Faka A., Tsatsaris A., Chalkias Ch., 2019. Mapping of urban expansion using Geographic Information Systems. 17th Conference of the Hellenic Department of the European Society of Regional Science (ERSA-GR), July 2019, Pantion University. Proceedings (published).
- Apostolidis Vassilis, Kalogeropoulos Kleomenis, Faka Antigoni, Chalkias Christos, Tsatsaris Andreas, Verdis Athanasios, 2018. Spatial heterogeneity of the performance of the students of the senior students in the Panhellenic examinations. Panhellenic Conference for Creativity and innovation in educational practice: starting from the long experience of the Experimental and Model Schools. Institute of Educational Policy (IEP). Athens 2-4 November 2018. Proceedings (published).
- Apostolidis Vassilis, Kalogeropoulos Kleomenis, Faka Antigoni, Chalkias Christos, Tsatsaris Andreas, Verdis Athanasios 2018. Spatial analysis of the performance of the students of the senior students in the Panhellenic exams. 4th International Conference for the Promotion of Educational Innovation. Scientific Association for the Promotion of Educational Innovation (E.E.Π.E.K.). Larissa 12-14 October 2018. Proceedings (published).
- Apostolidis, V., Kalogeropoulos, K., Faka A., Chalkias, Ch., Tsatsaris, A., Verdis, A., 2018. Mapping the performance of the senior students in the Panhellenic examinations. 2nd Panhellenic Conference "Greece-Europe 2020: Education, Lifelong Learning, Research, New Technologies, Innovation and Economy", September 28-30, Lamia. Proceedings (published).
- Kolliou, V., Peppas, E., Tsatsaris, A., Banou, A., 2018. The Geospatial Infrastructure as a Component of Archaeological Surface Surveys: The Case of Archaeological Research at the Vafio of Laconia, 10th National Conference on Geographic Information Systems. Proceedings (published).
- Beleri, A., Tsatsaris, A., 2018. Panagiotis Zografos: A "Cartographer" in a time of crisis. The maps of General Makrygiannis at the time when Greece is consolidating as an independent state, 15th National Cartography Conference, Thessaloniki. Proceedings (published).
- Grigorakakis, G., Tsatsaris, A., Chalkias, Ch., Psoma, E., 2018. The Fortifications of the Thireatis: Networking and meaning of space through spatial analysis

processes and the creation of cartographic representations using GIS, 15th Cartographic National Conference of Cartography, Thessaloniki. Proceedings (published).

- Kalogeropoulos, K, Tsatsaris, A, Chalkias, C, 2018. Urban sprawl study via historical maps - The case of Petroupolis, Athens, Greece. Published following a review by a scientific committee on the website "Athens Social Atlas".

<http://www.athenssocialatlas.gr/en/article/urban-sprawl-in-petroupolis/>

- Hitchcock, A, L, Chapin, P, A, Banou, E, Pantou, E, Reynolds, J, Tsatsaris, A., 2018 The Vapheio-Palaiopyrgi Survey Project: Preliminary Results, in 119th Annual International Meeting of Archaeological Institute of America: "Archaeology at Work" Proceedings (published).
- Tsatsaris, A., Grigorakakis, G., 2016. The Cartographic Narrative as a Foundation for the Creation of the "New Museum". Five Millenniums of Evolution and Transformation in the Framework of the Restoration of the Archaeological Museum of Tegea. 14th National Conference of Cartography, Thessaloniki. Proceedings (published).
- Tsatsaris, A., Grigorakakis, G., and Ioannidis, P., 2015. Science and Technology in Archaeological Museums: The Re-Exhibition of the Archaeological Museum of Tegea. Proceedings of the International Conference 'Science in Technology' SCinTE 2015, Athens. Proceedings (published).

http://www.scinte.gr/proceedings/VOLUME_1_SCINTE.pdf

- Grigorakakis, G., Tsatsaris, A., 2015. From stability to agony. Kynouria in Roman times. INTERNATIONAL CONFERENCE. What's New in Roman Greece Athens, 8-10 October 2015 NHRF, Auditorium Leonidas Zervas. Proceedings (published).

BOOKS

- Katsios, I & Tsatsaris A, Thematic Cartography Lectures, 2014. p. 408, ISBN13 978-960-9495-44-8, Dissigma Publications, Thessaloniki.

COLLECTIVE VOLUMES (After evaluation/review by scientific committees)

- Tsatsaris, A, Grigorakakis, C, 2015. Tegeatis: A Cartographic Journey to the Land of Myth and History. In "Cartographies of Mind, Soul and Knowledge", Honorary Volume of Emeritus Professor Myronas Myridis, Thessaloniki, 176-189.
- Grigorakakis, G, Ioannidis, P, Tsatsaris, A, Karapanagiotou, A, 2014. Archaeological Museum of Tegea: An innovative technological journey to the Land of Myth and History, Ministry of Culture.
- Grigorakakis, G., Tsatsaris, A., 2013. Systematic Archaeological Research in South Kynouria. Archaeological Bulletin 68: 210-225. (published in 2015).
- Grigorakakis, G., Tsatsaris, A., 2012. Systematic Archaeological Research in South Kynouria. Archaeological Bulletin 67: 139-155. (published in 2015).
- Grigorakakis, G., Tsatsaris, A., 2011. Systematic Archaeological Research in South Kynouria. Archaeological Bulletin 66: 235-247 & 252-254 (published in 2015).