

G.-Fivos Sargentis

Dr. Engineer-Sculptor

Selected works



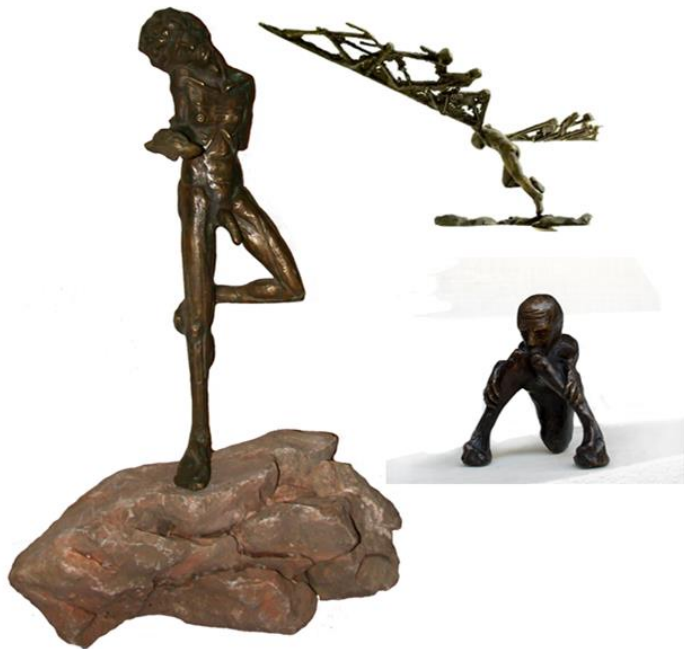
<https://g-fivos.gr/>

January 2025

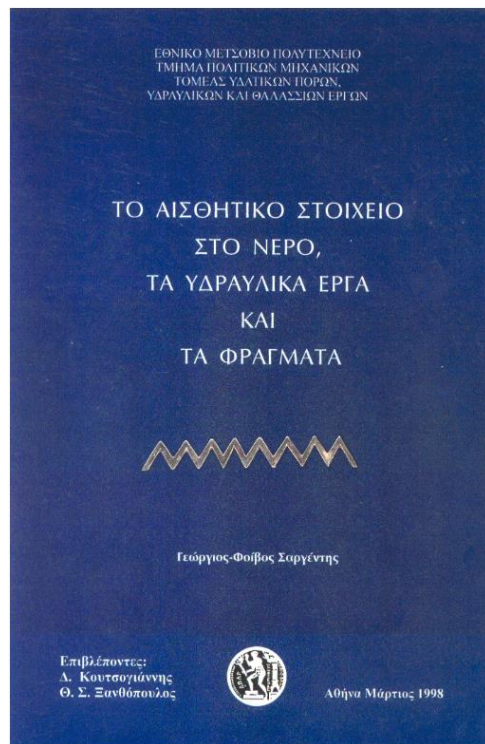
1985-1990



1991-2000



1998

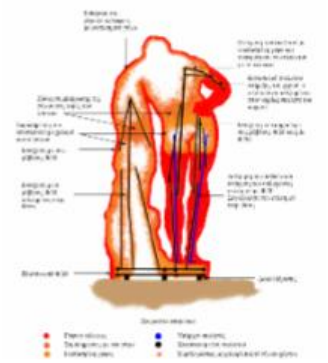
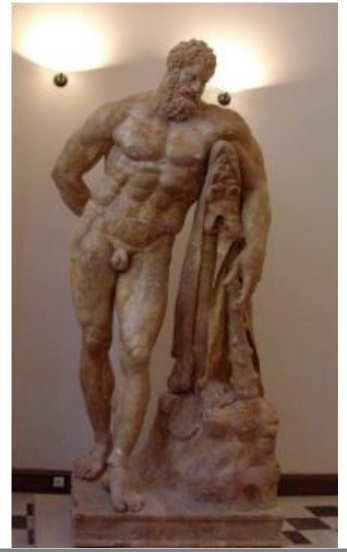
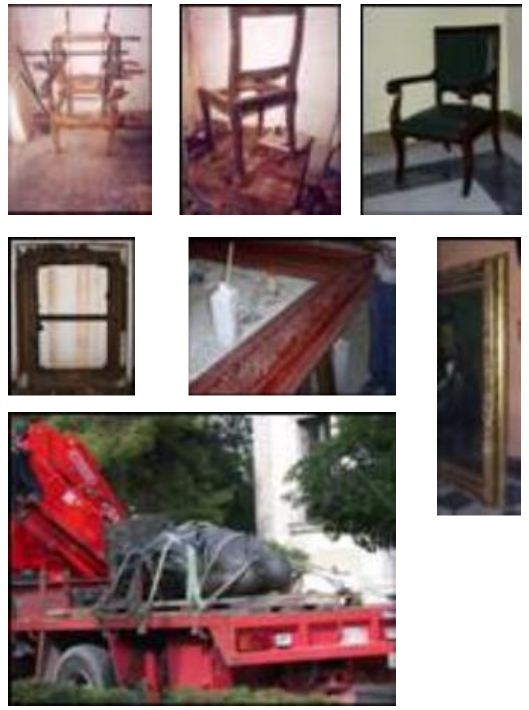


2001-2006



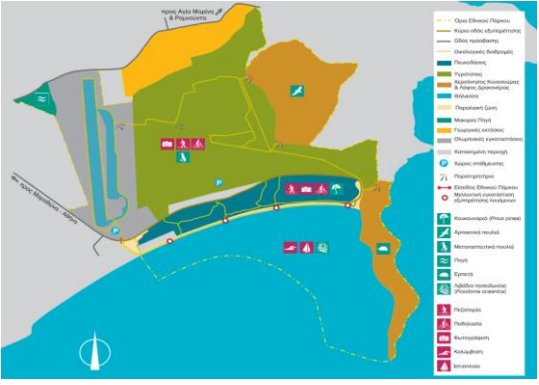
2001-2005. Research projects

N.T.U.A. HISTORICAL RECTOR'S BUILDING, Creation of a Museum of Research and Technology, Recreation of Artistic Property and Documentation of History



2001-2008. Research projects

Plastiras' lake, Schinias-Marathon National Park, DAFNI Sustainable Islands Network

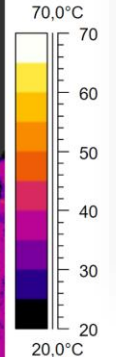
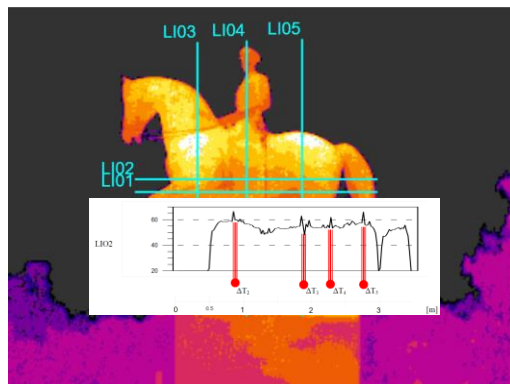
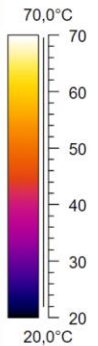
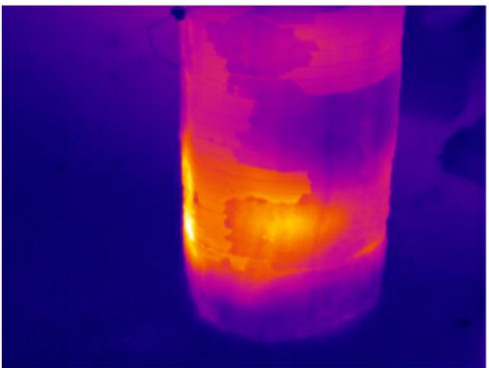
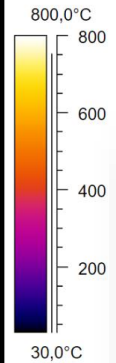
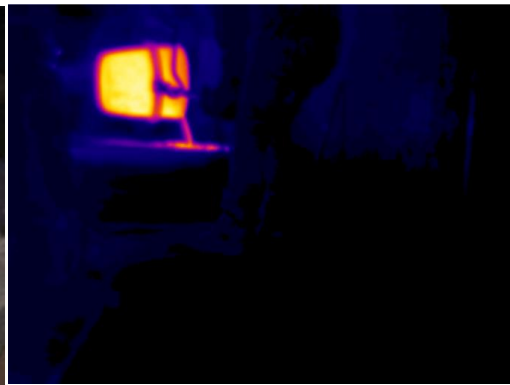


2002-2004. 700-bed hostels at the Zografou University Campus



2000-2006. PhD thesis


The Use and Technical Aspects of Materials in Sculpture




ΕΘΝΙΚΟ ΜΕΤΕΩΡΟΛΟΓΙΟ ΠΟΛΥΤΕΧΝΕΙΟ
ΣΧΟΛΗ ΑΡΧΙΤΕΚΤΟΝΩΝ ΜΗΧΑΝΙΚΩΝ
ΤΟΜΕΑΣ ΣΥΝΘΕΤΩΝ ΤΕΧΝΟΛΟΓΙΚΗΣ ΑΙΧΜΗΣ
ΕΡΓΑΣΤΗΡΙΟ ΤΕΧΝΙΚΩΝ ΥΛΙΚΩΝ
ΔΙΕΥΘΥΝΤΗΣ ΚΑΘΗΓΗΤΗΣ ΑΝΔΡ. Γ. ΚΟΡΝΑΡΟΣ

Η ΧΡΗΣΗ ΚΑΙ Η ΣΥΜΠΕΡΙΦΟΡΑ ΤΩΝ ΥΛΙΚΩΝ ΣΤΗΝ
ΓΥΠΤΙΚΗ

Γ. ΦΩΙΒΟΣ ΠΑΡΕΝΤΗΣ ΠΟΛΙΤΙΚΟΣ ΜΗΧΑΝΙΚΟΣ Ε.Μ.Π.
ΕΠΙΒΛΕΠΩΝ ΚΑΘΗΓΗΤΗΣ ΑΝΔΡ. Γ. ΚΟΡΝΑΡΟΣ



70,0°C
60
50
40
30
20,0°C

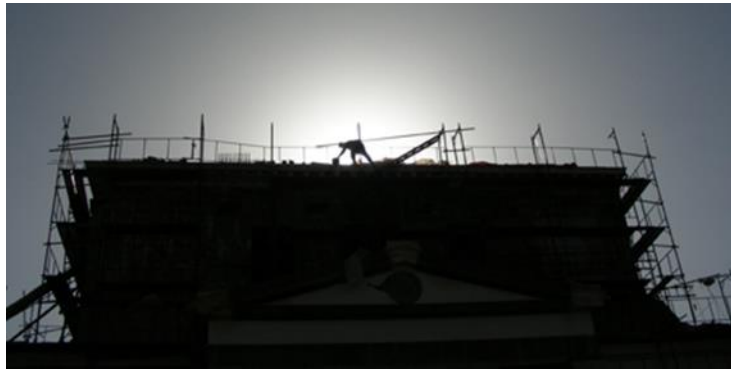


Διόργανος Διακρίβη
ΑΘΗΝΑ 2007

2006-2010. Averof building



<https://youtu.be/Jh14L2TnZoc?si=PMk3XJUasgaZ7QEe>



**EUROPEAN HERITAGE
EUROPA NOSTRA
AWARDS**

2007-2017. Earth architecture



Η Γη ως Υλικό
εξειδίκευση με σάκ αλάτι για την αρχιτεκτονική-με-τη-γη

Γ. ΦΟΙΒΟΣ ΣΑΡΓΕΝΤΗΣ
ΝΙΚΟΛΑΟΣ ΣΥΜΕΩΣΙΔΗΣ

ΑΘΗΝΑ 2008

eco-dome.gr

Σχέδια για τη Γη
εξειδίκευση με σάκ αλάτι για την αρχιτεκτονική-με-τη-γη

Γ. ΦΟΙΒΟΣ ΣΑΡΓΕΝΤΗΣ
ΝΙΚΟΛΑΟΣ ΣΥΜΕΩΣΙΔΗΣ

ΑΘΗΝΑ 2009

eco-dome.gr

υλΟικολογία

ΜΕΘΟΔΟΙ ΚΑΙ ΚΡΙΤΗΡΙΑ ΑΞΙΟΛΟΓΗΣΗΣ
ΤΗΣ ΟΙΚΟΛΟΓΙΚΗΣ ΣΥΜΠΕΡΙΦΟΡΑΣ
ΤΩΝ ΔΟΜΙΚΩΝ ΥΛΙΚΩΝ

Γ.-ΦΟΙΒΟΣ ΣΑΡΓΕΝΤΗΣ
Δρ. Μηχανικός

ΣΥΛΛΟΓΟΣ ΑΡΧΙΤΕΚΤΟΝΩΝ
ΔΙΠΛΩΜΑΤΟΥΧΩΝ
ΑΝΤΙΣΤΑΤΩΝ ΣΧΟΛΩΝ
ΠΑΝΕΛΛΗΝΙΑ ΕΝΩΣΗ
ΑΡΧΙΤΕΚΤΟΝΩΝ

ΜΗΧΑΝΙΚΟΙ ΤΗΣ ΓΗΣ

ΣΑΔΑΣ ΠΕΑ: 13^ο ετήσιο συνέδριο Επιστήμη - Σχεδιασμό
«ΠΡΟΣΧΕΔΙΑΣΜΟΣ ΚΑΙ ΕΦΑΡΜΟΓΕΣ ΤΗΣ ΟΙΚΟΛΟΓΙΚΗΣ
ΑΡΧΙΤΕΚΤΟΝΙΑΣ»
26 Μαΐου έως 31 Ιουνίου 2018
Σεβάνες Στάμου Σπυρίδων Βάλη Μερύ Βάλου.

Μηχανική-περιβαλλοντική συμπεριφορά και εφαρμογές της άνισης γης

Γ.-ΦΟΙΒΟΣ ΣΑΡΓΕΝΤΗΣ
Δρ. Μηχανικός

ΣΥΛΛΟΓΟΣ ΑΡΧΙΤΕΚΤΟΝΩΝ
ΔΙΠΛΩΜΑΤΟΥΧΩΝ
ΑΝΤΙΣΤΑΤΩΝ ΣΧΟΛΩΝ
ΠΑΝΕΛΛΗΝΙΑ ΕΝΩΣΗ
ΑΡΧΙΤΕΚΤΟΝΩΝ

ΜΗΧΑΝΙΚΟΙ
ΤΗΣ ΓΗΣ

ΒΟΛΟΣ 2018

2008



Genesis.
The game
of man
in the world



2013



2014





2014-2024



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Search for Articles:

10 May 2024

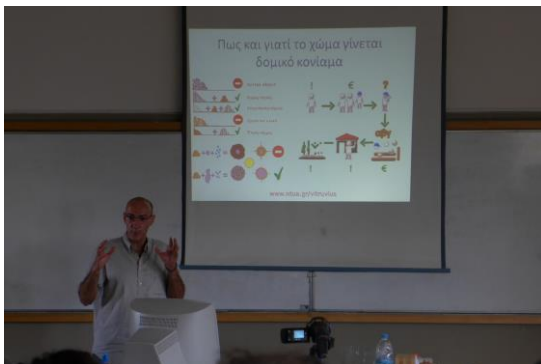
Technologies | 2022 Editor's Choice Articles—Part II

We are pleased to share the following ten Editor's Choice articles published in Technologies (ISSN: 2227-1080). These papers were selected by our Editors-in-Chief and Editorial Board Members from the most notable papers published in Volume 10 (2022). All these papers are of particular interest and importance to readers and have been well received by researchers.

1. "3D Scanning/Printing: A Technological Stride in Sculpture" by G. Fosti, S. Sargioti, K. Vassilakis, M. Chrousos, D. Koutouris, S. Karamanidou, S. Karamanidou, and N. K. D. Lazarou. Technologies 2022, 10(1), 6. <https://doi.org/10.3390/technologies1001006>. Available online: <https://www.mdpi.com/2227-1080/10/1/6>

2014-2017. Teaching and research

Educational and research work at the Laboratory of Construction Materials of the School of Architecture, National Technical University of Athens (N.T.U.A.).



2018-2019

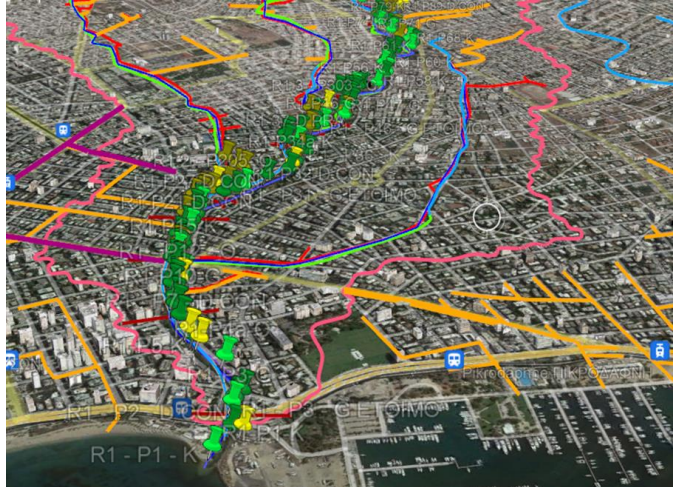
ΣΑΔΑΣ-ΠΕΑ: 13th and 14th Weekly Workshop-Seminar «Natural building and an alternative approach to restoration" [Stamos Stournas](#)
[Guesthouse, Alli Meria, Volos](#)



2017-2024. Teaching and research

Educational and research work at the Laboratory of Construction Materials of the School of Civil Engineering, National Technical University of Athens (N.T.U.A.).
[Stuff we don't mention in the normal course of studies](#)

Geoinformation flood risk assessment



Εθνικό Μετσόβιο Πολυτεχνείο Σχολή Πολιτικών Μηχανικών

Καλοκαιρινό εργαστήριο
 Παραλειπόμενα της εκπαιδευτικής διαδικασίας

3-9 Ιουλίου 2023

Artificial intelligence & 3D printing. Ο ρόλος του μηχανικού
 Κλιματική αλλαγή
 Μεταβαλλόμενη τοπία (πυρκαγιάς, μεταβολές χλωρίδας)
 Τοπία και έργα υποδομής
 Ο ρόλος του πλέγματος νερού-ενέργειας-τροφίμων

campingrovies

Βόρεια Εύβοια, κάμπινγκ Ροβιές
 Κόστος διανυκτέρευσης 5 €/ημέρα

Δηλώσεις συμμετοχής
 email: finos@ita.ntua.gr

ADDOPTML
 Προσέλαση υποβολής δηλώσεων: 31.5.2023 (θέσεις περιορισμένες)



Marie Skłodowska-Curie

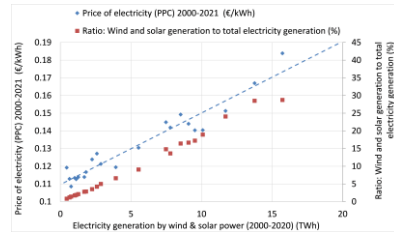
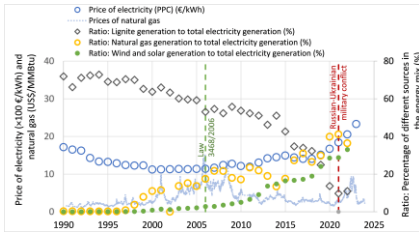
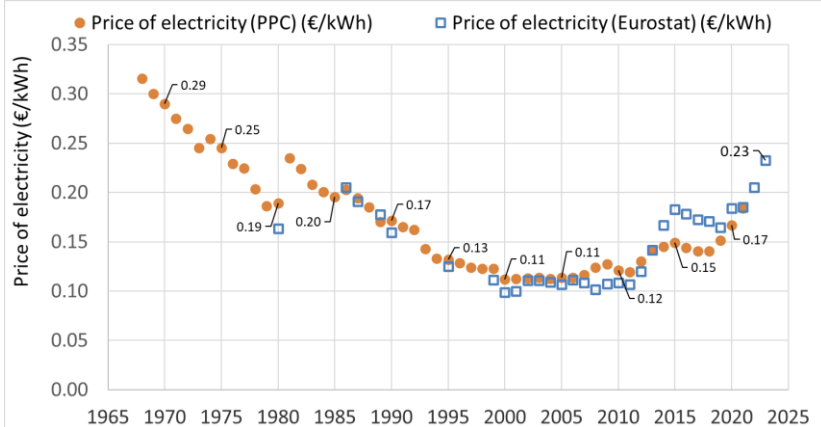


ADDOPTML
 Optimized 3D printed structures

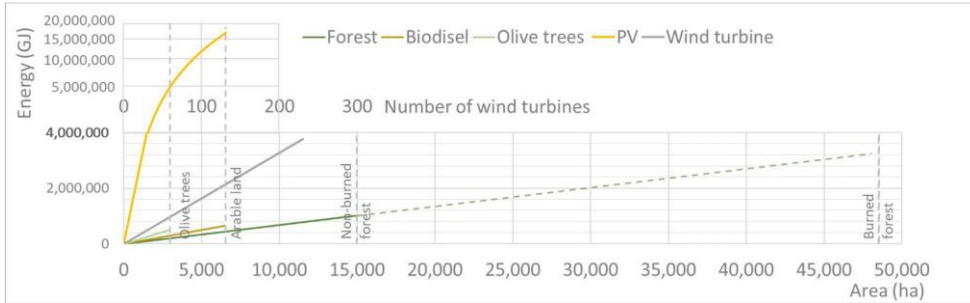
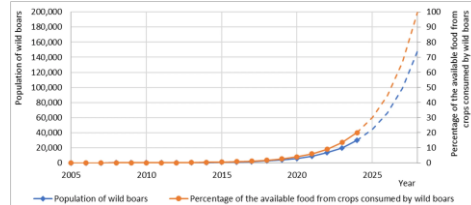
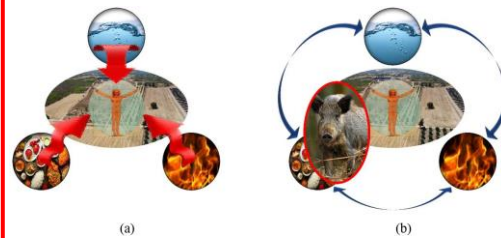
OPTARCH

Recent publications

Sargentis G.-F.; Ioannidis R.; Mamassis N.; Zoukos V.; Koutsoyiannis D. [A Review of the Energy Policy in Greece in the Last 50 Years and Its Implications for Prosperity](#). Clean Energy and Sustainability 2024, 2, 10021. <https://doi.org/10.70322/ces.2024.10021>



Sargentis G.-F.; Ioannidis R. [The impacts of altering biodiversity to the Water–Energy–Food nexus: case study North Euboea, Greece](#). Discover Water, Springer-Nature, 2024, 4, 105. <https://doi.org/10.1007/s43832-024-00165-y>



Selected publications

Issues of prosperity

- Sargentis, G.-F.; Koutsoyiannis, D.; Angelakis, A.; Christy, J.; Tsonis, A.A. Environmental Determinism vs. Social Dynamics: Prehistorical and Historical Examples. *World* 2022, 3, 357-388. <https://doi.org/10.3390/world3020020>
- Sargentis, G.-F.; Defteraios, P.; Lagaros, N.D.; Mamassis, N. Values and Costs in History: A Case Study on Estimating the Cost of Hadrianic Aqueduct's Construction. *World* 2022, 3, 260-286. <https://doi.org/10.3390/world3020014>
- Sargentis, G.-F.; Iliopoulou, T.; Dimitriadis, P.; Mamassis, N.; Koutsoyiannis, D. Stratification: An Entropic View of Society's Structure. *World* 2021, 2, 153-174. <https://doi.org/10.3390/world2020011>
- Sargentis, G.-F.; Ioannidis, R.; Bairaktaris, I.; Frangedaki, E.; Dimitriadis, P.; Iliopoulou, T.; Koutsoyiannis, D.; Lagaros, N.D. Wildfires vs. Sustainable Forest Partitioning. *Conservation* 2022, 2, 195-218. <https://doi.org/10.3390/conservation2010013>
- Sargentis, G.-F.; Iliopoulou, T.; Sigourou, S.; Dimitriadis, P.; Koutsoyiannis, D. Evolution of Clustering Quantified by a Stochastic Method—Case Studies on Natural and Human Social Structures. *Sustainability* 2020, 12, 7972. <https://doi.org/10.3390/su12197972>
- Κουτσογιάννης Δ., και Γ.-Φ. Σαργέντης, Αδιέξοδα της αυτοκρατορίας της αγοράς, Ακδημόνευτοι Στοχασμοί – Στη Μνήμη του Θεμιστοκλή Ξανθόπουλου, Πρύτανη ΕΜΠ 1997-2003, επιμέλεια Δ. Κουτσογιάννης, Ν. Λαγαρός, και Α.Γ. Μπουντουβής, 99–123, Πανεπιστημιακές Εκδόσεις ΕΜΠ – Εθνικό Μετσόβιο Πολυτεχνείο, Αθήνα, 2024. <https://www.itia.ntua.gr/el/docinfo/2459/>

Water-Energy-Food nexus

- Sargentis G.-F.; Mamassis N.; Kitsou O.; Koutsoyiannis D. The role of technology in the water–energy–food nexus. A case study: Kerinthos, North Euboea, Greece. *Front. Water* 2024. 6:1343344. <https://doi.org/10.3389/frwa.2024.1343344>
- Sargentis G.-F.; Kouglia M. Vulnerabilities of water-energy and food nexus in cities of digital era. *Insight - Civil Engineering*. 2024; 7(1): 608. <https://doi.org/10.18282/ice.v7i1.608>
- Sargentis, G.-F.; Koutsoyiannis, D. The Function of Money in Water–Energy–Food and Land Nexus. *Land* 2023, 12, 669. <https://doi.org/10.3390/land12030669>
- Sargentis, G.F.; Lagaros, N.D.; Cascella, G.L.; Koutsoyiannis, D. Threats in Water–Energy–Food–Land Nexus by the 2022 Military and Economic Conflict. *Land* 2022, 11, 1569. <https://doi.org/10.3390/land11091569>
- Sargentis, G.-F.; Siamparina, P.; Sakki, G.-K.; Efstratiadis, A.; Chiotinis, M.; Koutsoyiannis, D. Agricultural Land or Photovoltaic Parks? The Water–Energy–Food Nexus and Land Development Perspectives in the Thessaly Plain, Greece. *Sustainability* 2021, 13, 8935. <https://doi.org/10.3390/su13168935>

Art and aesthetics

- Sargentis, G.-F.; Dimitriadis, P.; Koutsoyiannis, D. Aesthetical Issues of Leonardo Da Vinci's and Pablo Picasso's Paintings with Stochastic Evaluation. *Heritage* 2020, 3, 283-305. <https://doi.org/10.3390/heritage3020017>
- Sargentis, G.-F.; Dimitriadis, P.; Iliopoulou, T.; Koutsoyiannis, D. A Stochastic View of Varying Styles in Art Paintings. *Heritage* 2021, 4, 333-348. <https://doi.org/10.3390/heritage4010021>
- Sargentis, G.-F.; Ioannidis R.; Chiotinis M.; Dimitriadis P.; Koutsoyiannis D. Aesthetical Issues with Stochastic Evaluation. In: Belhi A., Bouras A., Al-Ali A.K., Sadka A.H. (eds) *Data Analytics for Cultural Heritage*. Springer, Cham 2021. https://doi.org/10.1007/978-3-030-66777-1_8

Presentations in youtube (in Greek)

- On Energy and Renewable Energy Sources <https://www.youtube.com/playlist?list=PLE8HdsuRBlotScKdFLasuzMFDhT27T7XA>
- The Water-Energy-Food Nexus https://www.youtube.com/playlist?list=PLE8HdsuRBlos8qtVVf9LV_gwUVt-pPH_v
 - On water https://youtu.be/F9WZxEUgVQg?si=NR_SzuyPEBbXTiVq
 - On energy https://youtu.be/DvJauWPnixY?si=6TaE5kEIAh64p_dn
 - On food <https://youtu.be/4WgV6N7HAXo?si=MRU06--rr9m2lclp>
- On money <https://www.youtube.com/playlist?list=PLE8HdsuRBlott-ucA4Yf2uhw8slmcUyiY>
- Stochastics <https://www.youtube.com/playlist?list=PLE8HdsuRBlouG9CHePBb0w9ViDSSJzX4S>
- Entropy and social inequalities <https://www.youtube.com/playlist?list=PLE8HdsuRBlouOu4kh4phNaPCBEH-JOT8p>
- Laboratory on Humanitarian Studies <https://www.youtube.com/playlist?list=PLE8HdsuRBlou0k4OUT1cNmXvnarc2Ar-N>

Member of:
Technical Chamber of Greece (TEE-TCG)
Chamber of Fine Arts of Greece

Contact:
Address: 9 Astrapogiannou str., PC 11526 Athens - Greece
Website: www.g-fivos.gr
Blog: <http://g-fivos.blogspot.gr/>
Email: fivos@itia.ntua.gr, fivos.sargentis@gmail.com

Tel: +30 697 3029012

<https://g-fivos.gr/>

