



Prof Ioannis Liritzis CV in Brief

(www.liritzis.eu)

(Natural Sciences in Art, History, Archaeology, Palaeoenvironment & Cultural Heritage)

Prof. Ioannis Liritzis (b. 2-11-1953, Delphi, Greece) (PORTAL: www.liritzis.eu; e-mail: liritzis@henu.edu.cn; ioliritzis@gmail.com; ioannis.liritzis@euro-acad.eu; tel mob.: 00306932275757(Greece)

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<https://aegean.academia.edu/IOANNISLIRITZIS>; https://www.researchgate.net/profile/Ioannis_Liritzis

(RANKINGS: included to top 2% in all subjects and 1.3% of archaeological sciences/Historical Studies of the 2021 Stanford Univ list: <https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/3>; Google Scholar (h-index=32, i10-index=132); Research Gate (h-index=30), top 0.5% Academia .edu, <https://aegean.academia.edu/IOANNISLIRITZIS>) (& <https://scholar.google.com/citations?hl=en&user=i-hCSK8AAAAJ>). RANKING OF RESEARCHERS IN ARCHAEOLOGY & ARCHAEOOMETRY: <https://www.laiesken.net/argueologia/ranking>.

Ioannis Liritzis, AD Scientific Index 2023 (in University in China, in Asia, in the World); <https://www.adscientificindex.com/scientist.php?s=1&id=921272>. In the 2023 AD Scientific Index in Archaeology/Archaeological Sciences he is ranked #1 in Henan University, #1 in China, #13 in Asia, and #130 in the World.

ID Scopus: 7003918573

ID WoS: A-9444-2013

ID ORCID: 0000-0003-3079-1336

ID Publons: A=9444-2013

Teaching & Research: Distinguished Professor University of Henan (China) (2017-), (http://hhwm.henu.edu.cn/People/Full_time_Researchers.htm). Also:

<http://www.hhwm.org/news/711>; <http://www.hhwm.org/news/list/21>;

<http://www.hhwm.org/>; <http://lsxy.henu.edu.cn/html/news/2017-1-13/1298.html>.

Professor of Archaeometry - Natural Sciences, University of the Aegean, Rhodes, Greece (<http://dms.aegean.gr/en/>) (1999-2021); Visiting Scholar (On Spring Term) University of California San Diego, USA

(http://anthro.ucsd.edu/people/scholars_researchers.html; <http://ccas.ucsd.edu/who-we-are.php>); Visiting Professor (On Contract), King Saud University SA (2015-2016);

2021: Dean of Class IV, Natural Sciences in the European Academy of Sciences & Arts (Salzburg)(2021-)

Graduate of Physics (B.Sc), University of Patras, Greece, Edinburgh University- PhD in Physics, Edinburgh University (1980). At present he is Distinguished Professor at the Institute of Capital Civilization and Cultural Heritage, as well as The Key Research Institute of Yellow River Civilization and Sustainable Development & Collaborative Innovation Center on Yellow River Civilization, Minglun Road 85, Kaifeng 475001, China.

Previous work: Professor at the University of the Aegean, Dept of Mediterranean Studies, Rhodes Greece (1999-2021). He was Director (& Founder) of the Laboratory of Archaeometry, and the Lab of Environmental Archaeology, Head of the Dept (2004-2006), and Director of the Laboratory of Informatics, at the Dept of Mediterranean Studies (2005-2010).

Postgraduate Studies were carried at McMaster University and Edinburgh University. Post-Doctoral work (in intervals from some weeks to one year) has done in the University of Edinburgh, University of Oxford, Atomic Energy Research Establishment Harwell, Academy of Athens, University of Bordeaux III and University of Patras, Greece.

His special field is **Natural Sciences in Archaeology, Palaeoenvironment & Cultural Heritage**, though during his carrier he has done research in a range of multidisciplinary fields all of which has been published (and cited) in international scientific journals.

Previous employment posts held include: *Ministry of Culture, Dept of Underwater Archaeology* (1984-1989), and *Academy of Athens* (1989-1999).

Administrative posts include: Head of the Dept, Director of Laboratory, Member of the Senatus University of the Aegean, Member of the School of Human Sciences, Member of the Temporal General Assembly of the Dept. of Archaeology, History and Cultural Management and of the Dept of Classics, at the University of Peloponnese, Member of Temporal General Assembly of the Dept. of Regional Economic Development Univ. of Central Greece, Member of the Executive Committee of National Recognition of Foreign Academic Diplomas (NARIC), (Responsible for Natural Sciences & in Humanities & Distance Learning) (2005-2008 & 2019-), National Expert in 7th FP of European Union in the Programme Cooperation (SocioEconomic Sciences & Humanities) 2006-2009.

His research and educational activities focus in the interdisciplinary field of Physics, Geophysics, Geology and Archaeology. In general, his research work refers to a wide spectrum of scientific field of natural sciences & humanities (prehistory, archaeology, art and philosophy). In particular, he has been involved in various subjects in depth with innovative ideas and alternative approaches, all of which have been published in international cited journals, e.g, *Nature, Science, Antiquity* and many more, on *archaeological sciences, nuclear physics, nuclear chemistry, archaeometry* (in almost most special fields of the interdisciplinary subject such as *nuclear dating, analytical techniques & characterization, archaeoastronomy,*

geophysical prospection), technology in Cultural Heritage, environmental archaeology, nuclear geophysics & geology, geophysics, palaeoenvironment, astronomy (solar activity and planets, solar-terrestrial relationships, aurorae), and on presocratic philosophy and ancient history of astronomy.

Materials studied include, ceramics, kilns, obsidians, monuments (granites, limestones, sandstones), mural paintings, bones, volcanics, terrestrial and sea sediments, wooden, and metals. The time span of his applications ranges from Palaeolithic to modern era and studies area mainly SE Mediterranean, Middle East. He has taught Archaeometry (theory & laboratory), Environmental Archaeometry, Museology & Preventive Conservation, New Technologies in Archaeognostic Sciences, Archaeomaterials, Geoarchaeology & Palaeoenvironment of SE Mediterranean, Dating Methods in Archaeology, Archaeoastronomy.

In 2003 he was elected as Correspondent Member of the Academy of Sciences of Dijon, France. (*Membre de Correspondance de l' Academie de Sciences, Arts et Belles Lettres de Dijon*), and in 2008 *Member of the European Academy of Sciences & Arts, Salzburg, Class IV Natural Sciences*. In 2014 *Honorary & Guest Professor at Samara State Institute of Culture Russia*, in 2018 *Honorary Fellow of Edinburgh University*; In 2019 *Honorary Professor Rhodes University South Africa*. In Jan. 2021 he has been elected *Dean of Class IV (Natural Sciences) of the European Academy of Sciences & Arts.*(<https://www.euro-acad.eu/governance-legalacts>)

Invited Visiting professor at Univ. de Bordeaux III, France (1995); Cairo and Sohag and Beni Suef Universities, Egypt (2000-2005), Tennessee Univ. & Oak Ridge national Laboratory USA (2002), Edinburgh Univ (1988), University of California San Diego (2016-), University of Coastal Carolina (2015), King Saud University, Riyadh (2015-), University of Science & Technology of China, Hefei (2015), Henan University, China (2017-), Chinese Academy of Sciences-Inst. Geology & Geophysics on archaeomagnetism (2019). In 2010 he was elected Member of Local Council of the Municipality of Delphi, Greece, and Head of the Committee of Educational Strategy & Cultural Planning.

He has written 9 books (4 in English), more than 300 papers in mainly International cited journals, and mainly single or main/first author, in National Proceedings and Chapters in Books, and he has served as Editor or Co-Editor in 21 mainly international Volumes.

He has been elected as Member/ Fellow in 16 Greek and International Scientific Societies, and has carried several scientific Programmes funded by EU and Greek Ministries. He is founder of 2 International Journals indexed in SCOPUS (*Mediterranean Archaeology & Archaeometry*, www.maajournal.com & *SCIENTIFIC CULTURE*, <http://www.sci-cult.com/files/>). He is Editor or Editor-in-Chief or Member of the Board in 31 International Journals (included in: ICI, Scopus, Scimago, Thomson Reuters, Clarivetic).

Amongst his innovative works are the novel methods of studying antiquity and materials culture, such as nuclear dating by luminescence of monuments, the diffusion dating of obsidian tools and recently of ancient metals, novel approaches in seismicity and solar terrestrial relationships and their impact on early and contemporary societies, deciphering early Greek natural philosophy.

His published work is referred to the ICI.

He has a National and International reputation and Impact through his numerous, interdisciplinary and innovative works, participation and organization of International Symposia and Workshops, and Awards that have promoted World Archaeological Science on multileveled Issues (see topics, materials, World locations, and wide spectrum of ICI Journals in CV below). The main characteristic of his work is the in depth and multi applications in several fields of humanities tackled through new technologies and natural sciences.

IOANNIS LIRITZIS (b. 2-11-1953, Delphi, Greece)

Professor of Archaeometry-Natural Sciences

Henan University, Institute of Capital Civilization and Cultural Heritage, as well as, The Key Research Institute of Yellow River Civilization and Sustainable Development & Collaborative Innovation Center on Yellow River Civilization, Minglun Road 85, Kaifeng 475001, China (2020-)

University of the Aegean, Dept. of Mediterranean Studies, Rhodes, Greece (1999-2021)

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Director (&Founder) Research Lab. of Archaeometry (2000-2021)
(<http://dms.aegean.gr/en/>)

Director of Lab. of Informatics (2004-2010)

Director of Lab of Environmental Archaeology & Preventive Conservation (2011- 2020)

Head of the Dept. of Mediterranean Studies (2004-2006)

Director-Coordinator Research Center of Yellow River Cultures, Rhodes (2017-)

Executive Committee-Co-founder Research Center of Hellenic Civilization, Kaifeng University of Henan (2017-)

UNDERGRADUATE STUDIES

BSc (Honours), 1975. Patras University, Department of Physics, Greece

POSTGRADUATE STUDIES

- 1) *Nuclear Instrumentation Certificate* (Postgraduate Course, 1976). Designated Radiation Worker, 1979. His work was made at the Research Laboratory for Research & Conservation, National Museum of Scotland, Edinburgh, the Scottish Universities Research & Reactor Center, Glasgow and Dept of Physics, Edinburgh University, Scotland.
- 2) *PhD. Nuclear Physics Applied in Archaeology- Radiochemistry*, University of Edinburgh. Supervisor: Dr R.B.Galloway, Internal Examiner: Prof Ken Creer), PhD Scholarship recipient by Dept. of Physics, Edinburgh Univ, by Nobel Prize Winner (2012) Prof. Peter Higgs.
- 3) *MacMaster University, Dept of Geology* (under eminent Prof. Henry Schwarcz), Hamilton, Ontario, Canada (post-grad experience on radiochemistry of cave deposits by U-Th dating, 1977).

POSTDOCTORAL RESEARCH- AFFILIATED RESEARCHER

1979-82 Laboratory of Physics B' (Nuclear Physics), University of Patras (setting up basic lab. for dating with thermoluminescence & U-Th)

1982-89 Center of Astronomy & Applied Mathematics, Academy of Athens (with Late Prof. J.Xanthakis, on geomagnetic field variation, time series analysis, solar-terrestrial phenomena)

1982 University of Oxford, Research Lab for Archaeology & History of Art (with Prof Martin Aitken, on archaeomagnetism of Byzantine Churches)

1982 Atomic Energy Research Establishment HARWELL (with Dr Miro Ivanovich, on isotopic measurements of speleothems)

1986 Scholarship Recipient (National Research Foundation & Royal Society, London), in the Dept of Geophysics, University of Edinburgh (working with Prof Ken Creer on archaeomagnetism and auroral variation)

1988-9 State Scholarship Recipient (IKY, National State Scholarship), Dept. of Physics and Dept. of Geophysics, University of Edinburgh (working with Prof. Ken Creer and Dr. R.B.Galloway on nuclear Geophysics, radioactivity measurements of sediments and their relationships with palaeoclimate and solar activity)

1995 (August- December) Maitre de Conference, University of Bordeaux III, Centre de Recherche en Physique Appliquee a l'Archeologie, (invited by Prof. Max Schvoerer, with tasks of lecturing and research on Optical and Thermo- luminescence Dating of limestone monuments).

1999 (1995-1999): Collaborative external researcher with the Institute of Oceanography, National Center of Marine Research, backing research programmes of marine geology & geophysics. Research on Aegean marine aspects related to palaeoclimatology, chronology.

2003 Research Visit to Tennessee University, Dept of Anthropology, and Oak Ridge National Laboratory, USA (collaboration with Dr M.Elam, Dr L.Riciputi, Dr L.Anovitz, on secondary ion mass spectrometry of obsidians).

EMPLOYMENT-PROFESSIONAL CARRIER

1983-1989: Ministry of Culture, Dept of Underwater Antiquities (Research Physicist in Archaeology).

1989-1999: Academy of Athens, Principal Investigator, Research Center for Astronomy & Applied Mathematics.

1999- 2021 (retires): Elected Full Professor at the Dept of Mediterranean Studies, University of the Aegean, Rhodes in the subject "*Archaeometry with emphasis in the interdisciplinarity and its application in the Mediterranean Archaeology*"

2020- : Distinguished Professor at Henan University, China on "*Archaeometry and Interdisciplinary Approaches to Archaeology, Palaeoenvironment and Cultural Heritage*".

ADMINISTRATION & SOME COMMITTEES

2000 - today: Director (& Founder) of the Laboratory of Archaeometry.

2000 - 2002 Vice-Head of the Temporal Committee of the Dept of Mediterranean Studies. As first elected professor he prepared the syllabus and organized the Dept of Mediterranean Studies, Rhodes, since 1998 and the Department started in 1999.

2004 - 2006: Head of the Dept. of Mediterranean Studies, University of the Aegean, Rhodes.

2004 - 2006: Member of the Board of Senatus of the University of the Aegean.

2004 - 2006: Member of the Board of School of Human Sciences of the University of the Aegean.

2004 - 2010: Director of the Lab. of Informatics, Dept of Mediterranean Studies.

2005 - 2009: Member of the Temporal General Assembly for the Dept of Archaeology, History & Cultural Management, University of Peloponnesse, Kalamata, Greece. Here he contributed in the integration of syllabuses with natural sciences and technology and was member of elective committee for new members of the staff. He established two laboratories the Lab of Archaeometry and the Lab of Maritime Archaeology.

2005 - 2009: Member of the Temporal General Assembly for the Dept of Philology, University of Peloponnesse, Kalamata, Greece. Here he contributed in the integration of syllabuses with natural sciences and technology with archaeognostic sciences and was member of elective committee for new members of the staff. He established the Lab of Technognosy for philologists.

2011-today: Director of the Lab. of Environmental Archaeology, Dept of Mediterranean Studies, Univ of the Aegean

2005 -2008: Member of the Executive Committee of the National Organization for recognition of higher education Diplomas (Greek NARIC), for the Natural Sciences (participation in various Committees of the Organization for Software Supply (Head) and Conferences). Member for Natural Sciences and also for Archaeology degrees.

2006-2009: National Expert in the 7th Framework Programme of European Union in the Programme "Cooperation- Socioeconomical Sciences and Humanities"

2002-2006: Introduced the subject of Physical Sciences in Archaeology (Archaeometry) to the State Scholarship Foundation (IKY) (code no. 1500521537.008.040) and served as the coordinator and examiner.

2009-2010: Member of the Temporal General Assembly for the Dept of Regional Economic Development, University of Central Greece, Livadia, Greece.

2010- : Elected Member of Local Council of the Municipality of Delphi, Head of the Committee of Educational Strategy & Cultural Planning.

TEACHING ACTIVITIES

1. 1978-9 Teaching 2nd year Biology and Physics Students, University of Edinburgh (laboratory demonstrating and tutorial duties, 7 hours/week).
2. 1995 (January-.March) Salaried Visiting Professor (Maitre de Conference) University de Bodreaux III, Dept of Physics),

Academie de Bordeaux, Division de l' Enseignement Superieur (teaching archaeometry aspects on postgraduate students).

3. 1997 Lecturing at the Masters Degree of Dept of Geology, Aristotle University of Thessaloniki.
4. Oral presentations in more than 100 international or national conferences.
5. Lecturing at the European University Center for the Cultural Heritage, Ravello, Italy, in the postgraduate Seminar «Cave & Rural Art”.
6. 1981-2 Teaching Army Officers in the Technical Corp, at Patras.
7. Organization & Coordination of more than 10 International Conferences in Delphi and Rhodes.
8. 1992: Coordinator, Scientific Responsible and Lecturer in the Intensive Course for young Physics Graduates on “Physics & Archaeology” (funded by Ministry of Culture & EU), for the Hellenic Physical Union.
9. 1999- today: Teaching Archaeology Students in the Dept of Mediterranean Studies, University of the Aegean, Rhodes.
10. 2010-12: Teaching in Master Degree on 'Chemistry, Technology & Management of the Environment' the course 'Environmental Archaeometry', Dept of Chemistry, University of Athens.
11. 2012-13: Initiator-Responsible-Coordinator- Tutor, in the *e-Learning in Archaeometry (new technologies, conservation and management)*, Programme of Polynisiotikotita (multiinsularity), University of the Aegean.(<http://e-epimorfosi.aegean.gr/archeometry-program-home>).
12. 2013-14: Initiator-Responsible-Coordinator- Tutor, in the accredited *e-Learning in Archaeometry (new technologies, conservation and management)*, Programme of Polynisiotikotita (multiinsularity), University of the Aegean.(<http://e-epimorfosi.aegean.gr/archeometry-program-home>) & the *e-Learning in Archaeoastronomy*
13. (http://e-epimorfosi.aegean.gr/e-viewpr?prpd_id=48931&menu=general
14. e-Learning in Archaeometry 2013-14

15. http://e-epimorfosi.aegean.gr/e-viewpr?prpd_id=55493&menu=general (archaeometry)
16. • 2013-14: Initiator-Responsible-Coordinator- Tutor, in the accredited *Summer School of Aegean Maritime Archaeology* Programme of Polynisiotikotita (multiinsularity), University of the Aegean. <https://aegeanarch2013.pns.aegean.gr/>, <https://aegeanarch2014.pns.aegean.gr/>, and a new one on Digital Cultural Heritage:
17. <http://digarch15.syros.aegean.gr/>
18. 2016 Spring Term: Onasis Visiting Professor at **University of California, San Diego, Dept. of Anthropology** teaching on two courses a) Graduate Seminar ANTH 207 Eastern Mediterranean Archaeology - New Perspectives, and b) Undergraduate 'World Prehistory - Method and Theory'
19. **University of Athens**, Chemistry Dept, Master Degree on Management & Environmental Chemistry for 5 consecutive years (2010-2015), The semester course "ENVIRONMENTAL ARCHAEOOMETRY"
20. **University of Henan**, China, Key Research Institute of Yellow River Civilization and Sustainable Development & College of Environment and Planning, Henan, China. Archaeological Sciences & Environmental Archaeology (intensive courses twice per year) (graduate and undergraduate students) (2017-).

TEACHING COURSES AT RHODES (1999-2020)

(All courses are evaluated- learning outcome- by several approaches: Accompanied by powerpoint presentation occasionally videos, as well as, interactive process e.g. question & answer, trial & error, also, emphasis is given to fieldwork visits to archaeological sites and monuments where the application of various methods and techniques are described, use of softwares, virtual labs (ongoing development), essays (home work), hand on instrumentation, supply with Greek and foreign bibliography e.g. articles in pdf usually reviews or particular applications, clear reading material for exams, further (optional) reading. Also, any current discoveries or applications with World or regional impact to the respective topics)

A. University of the Aegean, Dept of Mediterranean Studies, Rhodes

1. *ARCHAEOLOGY & NATURAL SCIENCES: INTERDISCIPLINARY APPROACHES*
2. *ARCHAOMETRY INSTRUMENTATION (LABORATORY WORK).*
3. *SELECTIVE ISSUES OF ARCHAOMETRIC APPLICATIONS*
4. *DATING METHODS IN ARCHAEOLOGY (OCCASIONALLY PROVIDED)*
5. *ARCHAEO-MATERIALS*
6. *NEW TECHNOLOGIES IN ARCHAEOGNOSTIC SCIENCES.*
7. *ARCHAEOENVIRONMENT: MARITIME, COASTAL & INLAND ARCHAEOLOGY*
8. *MUSEOLOGY & PREVENTIVE CONSERVATION*

SUPERVISOR OF PhD THESES

- 1) "New dating method of hydrated obsidian tools", by M.Diakostamatiou, (awarded, 2003)
- 2) "Investigation of dating ancient monuments by luminescence", by A.Vafiadou, (awarded, 2006)
- 3) "Archaeoastronomical orientation of ancient temples and churches in the Mediterranean (interpretation based on archaeology, history, mythology and religious aspects), by H.Vassiliou, (awarded 2007).
- 4) "The chromatics of Theophrastus from Eressos: pigment analysis and provenance by spectroscopy techniques", by T.Katsaros, 2009 (awarded).
- 5) "Improvement of the obsidian diffusion dating by SIMS-SS by nuclear techniques", by N.Laskaris, 2010 (awarded).
- 6) ""Informatics technologies & Virtual reality in archaeological and archaeometric education" by P.Volonakis (2014- 2019)(awarded)
- 7) "Digital reconstruction of superimposed painting layers of Byzantine and late Byzantine icons via Multispectral imaging techniques", by Maria Bratitsi, M.Sc (2016, in progress)
- 8) "New digital applications of simulation in the operation of ancient sundial and hydraulic clocks-the case of sundial monument Andronikos of Kyrrestou""", by Apostolos Vlachos MSc (2020 in progress)
- 9) "Late Mycenaean and Late Shang Cultures (1300-1050 BC): archaeological comparison through interdisciplinary methods" by Alex Westra (2020 ongoing)

SUPERVISOR OF SOME BSc DIPLOMA THESIS

- 1) Belexis.Th and Panagiotopoulos, V (Univ. of Athens, Dept of Geology, Division of Geothermy- Geophysics (1991) «Radioactive Dating of quaternary sediments by thermoluminescence »
- 2) Giannopoulou.M (Univ of Athens, Dept of Geology, Lab of Teledetection, 1995) "Investigation of periodical variations of Jupiter's atmosphere", (Liritzis, I & Moutsoulas, M)
- 3) Diagourtas D (Univ of Athens, Dept of Geology, Division Geophysics- Geophemy, 1992) "Correlation Study between Hellenic and Global seismicity"
- 4) Sotiropoulos, P (Univ of Athens, Dept of Geology, Division Geophysocs- Geothermy, 1992)"Recording and processing of archaeomagnetic intensity data"(Liritzis, I & Lagios, E)
- 5) Alexopoulos, A (Agricultural Univ of Athens, Dept of Plant production, Lab of Agriculture, 1993) "Variations in the yield of some long cultivations in relation to environmental variables" (Liritzis, I & karamanos, A).
- 6) Machera, E (Univ of Athens, Dept of Physics, Division of Astronomy, Mechanics & Astrophysics, 1993)" Aurorae and its dependence from solar and terrestrial phenomena" (Liritzis, I & Antonopoulou, E)
- 7) Vrettos, S (Univ of Athens, Dept of Physics, Division of Astronomy, Mechanics & Astrophysics, 1994)"Investigation of aurorae during 22nd solar cycle in relation to solar-terrestrial phenomena" (Liritzis, I & Petropoulos, B, Preka, Y).
- 8) Maragopoulou, A (Univ of Athens, Dept of Physics, Division of Astronomy, Mechanics & Astrophysics, 1995)"Investigation of brightness variation in equatorial regions in Jupiter's atmosphere" (Liritzis, I & Preka, Y, Petropoulos, B).
- 9) Kostopoulos, K (Univ of Athens, Dept of Physics, 1996)"A Study on the variation of parameters regarding Jupiter's great red spot" (Liritzis, Preka, Y, Petropoulos, B)
- 10) Andrianopoulos, N (Univ of Athens, Dept of Physics, 1996) " Investigation of the periodical variation on X Rays from solar flares" (Liritzis, I Preka, Y, Petropoulos, B).
- 11) Koliadi, M (Univ. of the Aegean, Dept of Mediterranean Studies) (2003) «Archaeological and archaeometrical study of temple complex Seti A in Abydos, Egypt »

- 12) Nousia, M (Univ. of the Aegean, Dept of Mediterranean Studies) (2004) «Dating methods in archaeometry: new perspective and directions in dating methods of obsidian hydration, radiocarbon and optical- thermo-luminescence»
- 13) Eleftheriou, P (Univ. of the Aegean, Dept of Mediterranean Studies) (2004) «Pigments and painting in sepulchral monuments of Hellenistic period- Chemical analyses from Rhodes necropolis»
- 14) Kontopoulos, I. (Univ of the Aegean, Dept of Mediterranean Studies) (2008) "Geophysical prospection at the Acropolis of Rhodes"
- 15) Antoniadou Christina (Univ of the Aegean, Dept of Mediterranean Studies) (2011) "The Dynasties of Middle and New Kingdom: Achievements & Chronology"(co-supervisor)
- 16) Belen Castro Martin (Univ of the Aegean, Lab of Archaeometry) (2013-14)
"Calendars in Eastern Mediterranean: Ancient Greece, Egypt and Mesopotamia"
- 17) Anna Kalaitzaki (Univ of the Aegean, Lab of Archaeometry) (2013-14)
"Ancient Porphyra: trade and archaeometrical analysis"
- 18) Konstantina Anagnostou (Univ of the Aegean, Lab of Archaeometry) (2013-14) "Sarakenos Cave (Kopais lake, Boeotia, Greece): the contribution of microphorphological analysis to stratigraphy"

MSc Thesis (uploaded in the Library link of Univ of the Aegean) (as supervisor or co-supervisor)

- 1) Nousia Maria (Univ of the Aegean) (2017)
"Calibration of XRF portable instrument"
- 2) Tsourouni Antonia (Univ of the Aegean) (2017)
"Characterization and provenance of ceramics from prehistoric site of Kastrouli"
- 3) Bousoulegka Evgenia (Univ of the Aegean) (2017)
- 4) Papadopoulou Christina (Univ of the Aegean) (2017)
"Archaeometrical investigation with portable XRF of glass objects during Archaic and Classical period: the case of Sindos"
- 5) Bousoulegka Evgenia (Univ of the Aegean) (2017)
"Astronomical orientation of Apollo-Asclepius Temples in Greece"
- 6) Merli Asimoula (Univ of the Aegean) (2017)
«Dating methods in archaeology: a review"
- 7) Regli Anastasia (Univ of the Aegean) (2017)

- "Study of reminiscent pigments in architectural relics of sculptured monuments of archaic times in Delphi Museum"
- 8) Tsiola Eleni (Univ of the Aegean) (2017-18)
«Mapping of digital museums in Greece"
 - 9) Bessiou Maria (Univ. of the Aegean) (2018)
«Correlation between observations of ancient aurorae and archaeomagnetism"
 - 10) Liapi Anastasia (Univ of the Aegean) (2018)
«Digitalization of Museum objects from Abdera and their promotion with augmented reality via cell phones"
 - 11) Papou Eleftheria (Univ of the Aegean) (2018)
«Study of pigments from funerary artifacts from necropolis of Krepenti, Kastoria via non destructive techniques"
 - 12) Kyriakou Basiliki (Univ of the Aegean) (2018)
«Application of spectroscopic non-destructive methods (Raman-XRF) on figurines from western cemetery of Pella"
 - 13) Giannakoula Christina (Univ of the Aegean) (2018)
«Geometrical documentation of monuments with new technologies"
 - 14) Neratzaki Andriana (Univ of the Aegean) (2018)
«Identification of pigments in polychrome Byzantine ceramics from Hierissos"
 - 15) Katikaridou Evgenia (Univ of the Aegean) (2018)
«Development and show up of Egnantia avenue"
 - 16) Zevgiti Pnagiota (Univ of the Aegean) (2018)
"Investigation of the astronomical orientation of Demeter Temples and the cultural management"
 - 17) Aslanidis Alexandros (Univ of the Aegean) (2018)
"Potentialities of management and promotion of monuments from Peiraiiki and Zea. Proposal of digital restoration of the Filon Sideboard"
 - 18) Sevetlidis Vasilios (Univ of the Aegean) (2018)
«A machine learning approach to analysis and classification of measurements in cultural heritage»
 - 19) Aggelopoulos Georgios (Univ of the Aegean) (2018)
«Sea level fluctuations"
 - 20) Ntousaki Maria (Univ of the Aegean) (2018)
«Pollen analysis study in Greece"
 - 21) Ivanovich Theodora (Univ of the Aegean) (2018)
«Pigments in sculptures for the Mycenaean-Roman period"
 - 22) Pliatsika Fotini (Univ of the Aegean) (2018)
«Presence of obsidian in the Eastern Mediterranean as evidence of early navigation"
 - 23) Vlachos Apostolos (Univ of the Aegean) (2018)
«3D Study of shadows and lighting of Apollo Temple, Delphi"

- 24) Moundrou Kassiani (Univ of the Aegean) (2018)
«Non evasive analytical methods on the wall painting of Ontas of the Eagle, Schwartz Mansion”
- 25) Thanos Nikolaos (Univ of the Aegean) (2018)
«Modern technology and free softwares in the archaeological service”
- 26) Simantirakis Nikolaos (Univ of the Aegean) (2018)
«Creation and management of digital collection (corpus) for the traditional ceramic art in Crete. The case of pottery center Mylopotamos Margarites”

ACADEMIC AWARDS/DISTINCTIONS

1. *European Science Foundation Research Award 1983, through the Academy of Athens, for Archaeomagnetic measurements from Byzantine Churches*
2. *Research Grant by the Academy of Athens (1982) for archaeomagnetic measurements in the Research Lab for Archaeology & History of Art, of the Univ of Oxford (Nov-Dec 1982)*
3. *Study Visit Award by The Royal Society, London under the European Science Exchange Programme, to visit the University of Edinburgh (1983).*
4. *Study Visit Award by The Royal Society, London under the European Science Exchange Programme, through the National Hellenic Research Foundation, to realize research in the University of Edinburgh (1986).*
5. *Invited-Visiting Professor (Maitre de Conference) University de Bordeaux III, Dept of Physics (1995).*
6. *Ministry of Education, Greece, Excellence Prize for achievements in Archaeometry*
7. *Membre de Correspondance de l' Academie de Sciences, Arts et Belles Lettres de Dijon, France (2003).*
(<http://www.acascidijon.fr/accueil/archives/nouvelle-n°74-1er-trimestre-2008/>)
8. *Active Member of the European Academy of Sciences & Arts, Class IV Natural Sciences. (2008) <https://www.euro-acad.eu/members>.*
9. *Included in the WHO'S WHO IN THE WORLD Marquis edition, USA.*
10. *Academy of Athens Award for the Book Archaeometry: dating methods in archaeology, 1986.*

11. *Reference of Praise*, Dept of History, Archaeology & Cultural Management, University of Peloponnese, 2010.
12. *Award of first graduated student from Patras University*, Dept of Physics, by the Univ of Patras Student Parents Association (1975) (rank: Very Good).
13. *Archaeometry Professorship Costa Navarino Prize*, 2010, University of Peloponnese, Lab of Archaeometry (by international committee, <http://kalamata.uop.gr/~archaeolab/costa-navarino-awards.html>).
14. *Luminescence in Archaeology International Symposia (LAIS)*, New International initiative, President (2009 Delphi, 2012 Libon, Paris 2015, Freiburg 2019 forthcoming)
15. *Corresponding Member of the Advisory Committee*, Shanghai Archaeological Forum (Institute of Archaeology, Chinese Academy of Social Sciences), 2013 and 2015 (Website: shanghaiarchaeologyforum.org)
16. *Elsevier Reviewer Recognition*
17. *Honorary Professor at the Samara Institute - Higher School of Privatization and Enterprise*, Russia (2014).
18. *Honorary & Guest Professor at the Samara State Academy of Culture & Arts*, Russia (2014) (<http://smrgaki.ru/index.php>)
19. *Member of International Scientific Advisory Council of International School for Advanced Research in Cultural Studies* (Samara State Academy of Culture & Arts), Russia
20. **FNRS EXPERT, BELGIUM**
21. *Invited Technical Program Committee 20th Intern Conf. Virtual Systems & Multimedia (VSMM)*, Hong-Kong Dec. 9-12, 2014 (<http://www.vsmm2014.org/#!committee/cqn6>)
22. *Invited to Program Committee of the 2nd International Conference on Virtual Archaeology*, Hermitage Museum St Petersburg, Russia (<http://www.virtualarchaeology.ru>)
23. *Awarded The University Seminars Programme of Onassis Foundation USA 2016. Visiting Fellow at the University of California San Diego*
24. *Visiting Distinguished Professor at Henan University, China*, 2017 (<http://www.hhwm.org/info/1058/2085.htm>)
25. *Research Promotion Foundation, Cyprus (Expert Evaluator) 2017-18*
26. *International Delphic Academy (IDA)- Private UG Berlin, Acting President (2016-2018); President and co-Manager (2018-)* (www.delphic.org)
27. *2019: Honorary Fellow Edinburgh University, School of History, Classics and Archaeology, College of Arts, Humanities & Social Sciences*

28.2019: Honorary Professor, Rhodes University, Dept of Physics & Electronics, South Africa.

29. Advisory Member of the Mycenaean Foundation (<http://mycenaeanfoundation.com/welcome>)

30.2022: Honorary Book as a Special Issue of the peer reviewed journal HERITAGE, for my retirement from Univ. of the Aegean and the contributions in academia (https://www.mdpi.com/journal/heritage/special_issues/egyptology)

PROFESSIONAL SOCIETIES (in the past and present)

1. 1985: Fellow of the Royal Geographical Society, GB
2. 1985: Fellow of the New York Academy of Sciences, USA
3. 1986: Fellow of the Royal Astronomical Society, GB
4. 1989: International Astronomical Union
5. 1983: Institute of Physics, GB
6. 1985: Hellenic Geophysical Society
7. 1983: Hellenic Archaeometry Society
8. 1988: Hellenic Geographical Society
9. 1988: Hellenic Sedimentological Society
10. 1990: Hellenic Astronomical Society (Hell.A.S)
11. 2001: Society for the Study of Ancient Hellenic Technology
12. 1986: Member and National Representative of the European Study Group for Archaeometry of the Council of Europe (PACT)
13. 1980: Hellenic Physical Society
14. 2000 : International Environmental Association GLOBAL-NEST
15. 1987: European Panel for the European Lake Drilling Project (EC)
16. 1988: International Astronomical Union (IAU)
17. 2000: Society of Astronomy in Culture (SEAC)
18. 2007: World Archaeological Congress
19. 1985: Coastal Education & Research Foundation, Inc. (CERF) USA, Society Member

EDITOR & EDITORIAL BOARDS (30)

MEMBER OF EDITORIAL BOARDS - EDITOR (28):

1. *Journal of Coastal Research* (USA) (SCOPUS, ICI)
<http://jcronline.org/userimages/ContentEditor/1262021896271/cerf.journal.information.pdf>
2. QUATERNARY INTERNATIONAL (Scopus, ISI)

3. *Archaeosciences (Revue d'Archeometrie)* (France, 2008 onwards)
<https://archeosciences.revues.org/1061#tocto3n4>)
4. *Journal of Radioanalytical and Nuclear Chemistry* (Kluwer-Dordrecht and Academiai Kiado-Budapest)(2000-2004) (SCOPUS, ICI)
5. *Intern. Journal of Human Development & Information Systems* (www.serialspublications.com)
6. *Research Journal of Applied Sciences* (2007-)
<http://www.medwelljournals.com/> (SCOPUS)
7. *Heritage & Society* (Left Coast Press, USA).
<http://www.tandfonline.com/action/journalInformation?show=editorialBoard&journalCode=yhso20>
8. *Online Journal of Earth Sciences*
(<http://www.medwelljournals.com/>)
9. *Research Journal of Applied Sciences* (ICI, Scopus)
(<http://www.medwelljournals.com/>)
10. *Geochronometria* (www.geochronometria.pl)(SCOPUS, ICI)
11. *J. Surface Engineered Materials & Advanced Technology, Scientific Research* (www.scirp.org/journal/jsemat) (2010-)
12. *Atmospheric & Climate Sciences*
(<http://www.scirp.org/journal/acs/>)(2011-)
13. *Journal of Cultural Heritage* (Elsevier)(SCOPUS, ICI)
(<http://www.journals.elsevier.com/journal-of-cultural-heritage/>)
14. *International Journal of Imaging & Robotics (IJI)*(cited in SCOPUS) (<http://www.ceser.in/ceserp/index.php/iji>)
15. *Arqueología Iberoamericana* (SCOPUS,
<http://www.laiesken.net/arqueologia/>)
16. *E-Journal Virtual Archaeology* (State Hermitage Museum, St Petersburg Russia;
<http://virtualarchaeology.ru/en/contacts/index.php>)
17. *Digital Archaeology* (Frontiers in Digital Humanities), Review Editor
(<http://journal.frontiersin.org/journal/digital-humanities/section/digital-archaeology#editorial-board>)
18. *JOURNAL OF ASTRONOMICAL HISTORY AND HERITAGE*
(<http://www.narit.or.th/en/files/2016JAHHvol19/JAHHvol19no2Complete.pdf>)
19. *Journal of Ancient History and Archaeology*
(<http://jaha.org.ro/index.php/JAHA/about/editorialPolicies#custom-0>)(SCOPUS)
20. *GEOSCIENCES*
(<http://www.mdpi.com/journal/geosciences/editors>) (SCOPUS, ISI)

21. SUSTAINABILITY (<http://www.mdpi.com/journal/sustainability>)
(SCOPUS, ISI)
22. International Journal of Conservation Science
(<http://www.ijcs.uaic.ro/board.html>)
23. Advanced Research in Conservation Science (ARCS)
(<http://arcs.journals.ekb.eg/>)
24. QUATERNARY (<https://www.mdpi.com/journal/quaternaly>)(WoS)
25. STUDIA ANTIQUA ET ARCHAEOLOGICA (<http://saa.uaic.ro/>)
26. ASIAN ARCHAEOLOGY (Springer,
<https://www.springer.com/journal/41826>)
27. Egyptian Journal of Archaeological and Conservation Studies
(<https://ejars.journals.ekb.eg/>)
28. HERITAGE (MDPI;
https://www.mdpi.com/journal/heritage/sectioneditors/cultural_heritage)

EDITOR IN CHIEF (3):

29. Mediterranean Archaeology & Archaeometry (Editor-in-Chief
(www.rhodes.aegean.gr/maa_journal) (Founder and Editor in Chief
[since 1999-](http://www.rhodes.aegean.gr/maa_journal)). It runs through eight editors and from an
International experts Editorial Board
30. SCIENTIFIC CULTURE (www.sci-cult.com)(2015-)
31. Proceedings of the European Academy of Sciences & Arts
(www.peasa.eu) (2022-)

EDITOR:

32. Honorary Editor: Journal of Advanced Research in Conservation
Science (ARCS) is an open access international journal. It is issued
by the University of Cairo, Faculty of Archaeology, Conservation
department, Giza, Egypt. (<https://arcs.journals.ekb.eg/>)

[Scientific Editor of the News Journal TYPOS in HISTORY. A
group of Six Issues. December 2006-January 2007 (In Greek,
published by Livanis Press and Typos Foundation, Athens)]

Reviewer for papers and Grants: J. Radioanal. Nucl. Chem, Nature,
J. Archaeol. Sci, Archaeometry, Geosciences, Sustainability, Current
Anthropology, J. Coastal Research, Nature, Science, Radiation
Measurements, Measurement, Journal of Cultural Heritage, Quaternary
International, Geoheritage, Geosciences, and others.

RESEARCH TOPICS WITH PUBLISHED WORK

Scientific Culture, Research & Application of Physics in Archaeology (dating, characterization, analysis, provenance, archaeoastronomy, geophysical prospection on ceramics, kilns, granites, sandstones, metals and slags, sediments), Museology & Preventive Conservation, Nuclear Physics (Natural Radioactivity, Radiation Physics), Astronomy (Solar activity, Solar-Terrestrial Relationships, Cosmic Catastrophes), Geophysics & Geology (Seismology, Time Series Analysis of Geophysical data, Aurorae, Palaeoclimate), Diffusion phenomena in natural glass.

INTERNATIONAL & NATIONAL COLLABORATIONS (since 1976)

Academy of Athens (Greece), University of Athens, University of Thessaloniki, Technical University of Crete, NCPA Demokritos (Athens), National Marine Research Center (Greece), Institute of Cultural Technology (Xanthi, Greece), Edinburgh University (Scotland), Bulgarian Academy of Sciences, Bordeaux III University (France), Alexandria University (Egypt), New York State University (USA), Tennessee University (USA), Oak Ridge National Laboratory (USA) [official invitation by Dr M.Elam, University of Tennessee, and Oak Ridge National Laboratory 22-28/4/2002 to lecture and collaborate with research team for the dating with water diffusion in glass, Exchange Visitor Program Service No. P-1-0378], Virginia Dept. of Historical Resources (USA), Polytechnic School of Crete, NCPR Demokritos (Greece), Rikkyo Univ. Japan, Alexandria University (Egypt), Yarmouk University (Jordan), Lamia Higher Technological Education Establishment, Florence University (Italy), Ohio State University (USA), Riso National Lab (Denmark), Supreme Archaeological Council (Egypt), University of Smyrna (Turkey), Virginia Dept of Historical Resources (USA), University of Minings & Metallurgy (Poland), Sohag University (Egypt), Beni Suef University (Egypt), Korea, University of California San Diego, Qualcomm Inst & Center of Hellenic Studies & Dept of Anthropology (USA), Coastal Carolina University, Edwards College of Visual Arts (USA); University of Science and Technology of China, Hefei, Lab of Archaeometry Dept of History of Science & Archaeological Sciences; International Partner University of California San Diego Project UC President's Catalyst Grant: *At-Risk World Heritage and the Digital Humanities* (<http://ccas.ucsd.edu/who-we-are.php>)

RESEARCH PROJECTS OF PI I.LIRITZIS MANAGED BY RESEARCH COMMITTEES (In all he served as the Principal Responsible)

ONASSIS Foundation; LAVA S.A.; Russell Trust, UK; RANDOM HOUSE (England); European Union; Ministry of the Aegean; Ministry of Culture; Municipality of Rhodes; Ministry of Education, Ministry of Development (General Secretariat of Research and Technology); S&B industrial minerals s.a., Bilateral Projects, Royal Society(London) through Hellenic Research Foundation; Edinburgh University Scholarship (for PhD); Schillizzi Foundation (UK), Greek State Scholarship (IKY). In total 1992-1998 At least 10 Research Projects funded by private & public sources (Boundouris Foundation, Academy of Athens, Ministry of Culture on the unification of the archaeological sites in the centre of Athens by geophysical prospection, 1983-6), Ministry of the Aegean, Ministry of Development, Agricultural Bank of Greece).

In some detail:

- 1) No.737 Network *GAI A - INTERREG II (linguistics, archaeology, history, archaeometry*. 1-06-2000- 31-12-2003, 263.930 €, Collaboration between Lab of Archaeometry Dept of Mediterranean Studies, Rhodes with Alexandria University (Egypt) and Yarmouk University (Jordan), Ministry of Finance, Ministry of Education, Ministry of Labour.
- 2) No.686 *INSTITUTE AT ALEXANDRIA*, Dating Egyptian Monuments by Luminescence 7-12-1999-2004, 29.325 €, Ministry of Exterior Affairs, Athens & Random House UK.
- 3) No.1027 *Archaeological & archaeometrical research in Neolithic settlement Ulucak: Research, preservation & restoration*, 20/03/2003-20/03/2005, 15.072,00 €, Greek-Turkish Bilateral Programme
- 4). No.1267 *Dating Japanese obsidians by SIMS-SS*, University of Rikkyo (attn. Prof. Masao Suzuki), 01/01/2004 - 12/12/2004, 1400,00 €
- 5) No.1475, *Geophysical prospection in Monte Smith, Rhodes*, 29/06/2005- 22/06/2006, 35.000,00 €, Ministry of the Aegean & Insular Politics
- 6) No.1568, *Chromatology of Theophrastus from Eressos: Analyses, provenance contribution in the study of cultural heritage*, 12/12/2005-31/12/2008 , 69.000,00 €, Ministry of Education, EU (75%)-Greece

(25%) and co-funded by Holy Foundation St Catherine at Sinai 30%,
Programme on R&D
(<http://www.rhodes.aegean.gr/tms/Theophrastus/Theophrastus/Welcome.html>)

7) No. 1341, *Investigation of ancient carved rock surfaces* (granite, marble, obsidian, basalt). *Heraclitos Measure 2.2 (Sub measure 12)*, 2004-2005, 34.011,00 €, EU (75%) - Greek (25%) Programme on R&D. (Cancelled after approval due to inadequacy of candidate but research continued with collaborators)

8) No.661 *Analysis of Neolithic ceramics from the Aegean with the non destructive XRF*, 20/03/2001- 20/03/2004, 26.392 €, Ministry of the Aegean.

9) No.601 *Astronomical orientation of ancient monuments from the Aegean, Asia Minor and Egypt*, 20/03/2001- 20/03/2003, 19.000 €, Ministry of the Aegean.

10) No.865 *Analysis of wall painting from Cathedral of Amfissa (Delphi)*, 0/03/2001- 20/03/2003, 20.530 euro, Municipality of Amfissa- Delphi through Ministry of Culture.

11) *Obsidian Dating: Dating by SIMS-SS of Korean obsidians*, March 2008- Dec 2009, 3,000 E.

12) Coordinator of accepted Proposal on Networking in Greece Proposal *Digital ARChaeometry-HEL.L.A.N (Hellenic archaeometry labs Network)* by the Ministry of Education (EC funded Project) involving 10 partners (research and educational establishments), 2010 (2nd of the two approved top projects. Grant given to first one).

13) *Dragon Houses at Styra Euboea: Dating by luminescence*, 2008-2010, 15,000 E Municipality of Styra and Russell Trust Scotland.

14) 2013-2016 PI of EU-Ministry of Education co-funded project of Multiinsularity, on *The beginnings of Aegean prehistory. Part I: 30,000-7,000 BC and 800-200 BC. (30,000 Euros)*

15) 2016-19 Key Research Institute of Yellow River Civilization and Sustainable Development of Henan University, project on Contract basis on *Archaeometric Topics-Environmental Geoarchaeology*.

- 16) *RANDOM HOUSE publisher UK, London*. Fieldwork in Egypt and writing up papers and one Book (2001-2007)
- 17) *Boudouris Foundation, Academy of Athens*. Dating and prospection of two Hellenic pyramids (new method of dating) (2001-2005).
- 18) *Ministry of Culture, Greece*. Geophysical prospection for the Unification of the archaeological Sites in the Centre of Athens (1985-1987).
- 19) *Onasis Foundation, Athens*. Developing a new luminescence dating of carved rocks (1995-1999). Basic research and application.
- 20) *Russell Trust, Scotland (1976-1979)*. Developing new U-Th dating methods, set up instrumentation, post graduate research at Macmaster University, Hmailton, Ontario, Canada.
- 21) *Reginal Governance of Sterea Ellada, (14,000 Euros)* archaeological-archaeometrical investigations of Mycenaean settlement Kastrouli (Desfina near Delphi, Greece). Managing fund the Research Unit University of the Aegean.

Collaborating Scientist/ Joint Projects

- 21) Project *HERMES*, General Secretariat of Research and Development, for the Technological Educational Institute of Lamia Dept of Electronics (Assoc Prof. T. Ganetsos, Responsible) in collaboration with Lab of Archaeometry Rhodes, co-responsible I.Liritzis. Topic: Physical Sciences, entitled "Archaeology with emphasis on the New dating of Obsidian Hydration", 2005-7, 15,000 EUROS.
- 22) Project *PYTHAGORAS*, Meter 2.2, funded by European Union and National Resources. Title: "Egypt-Greece in Antiquity. A historical and archaeological study with the aid of the archaeological sciences" (Responsible: Assist. Prof. P.Kousoulis- Prof.I.Liritzis expert collaborator on archaeometry issues), 2004-2007.
- 23) *Geophysical Prospection at St Mavra Castle at Lefkas*. Dept of Architecture Engineering National Polytechnic School, Athens (Prof. E. Apostolou, responsible), I.Liritzis researcher, 1992, 1 year, 15,000 E.
- 24) *Univ. of the Aegean/ Ministry of Education*. 1999-2001. Responsible of EU co-funded Project via Res Unit Account about the support of the

new Dept of Mediterranean Studies (DMS), Rhodes. He was elected as the 1st Professor in the new Department and he essentially set the foundations of this Dept. on Issues of Administration, Syllabus, Personnel, Laboratories. The DMS has three divisions, a) Archaeology, b) Linguistics of SE Mediterranean, and c) International Relations & Organizations, and gets 180 students per annum, after exams.

25) 2002-4 Co-Director of EU co-funded Project about the Reformation of Syllabus of the Dept of Mediterranean Studies, Rhodes.

Prof Liritzis' Initiatives to establish & promote Egyptology in Greece (Dept of Mediterranean Studies, University of the Aegean, Rhodes, Greece)

1999: Establishment of the research Institute in Alexandria by the Univ of the Aegean and the President of the Hellenic Society at Alexandria Mr S Tambakis. Signed Protocole and offering of the classical building Zervoudakios School to host the Institute. (The Protocole was not realized by the new President successor of Mr Tambakis).

1999-2003: Prof Liritzis appointed a permanent Egyptologist to teach Egyptology and promoted the subject to a new chair the first in Greek Universities.

1999-2004: Active collaboration between Supreme Council of Egypt and Prof Liritzis, granted permit to sample Egyptian monuments and application of surface luminescence dating method.

2000-2003: Approved (EU co-funded) Project Interreg II, named GAI A collaboration between Alexandria University, Yarmouk University and The University of the Aegean (scientific responsible Prof Ioannis Liritzis).

2003-5: Supported Egyptologist to get a post-doc State Foundation Scholarship at the University of the Aegean, as well as, to lead a successfully approved (EU co funded) project of programme "Pythagoras" entitled "*Greece-Egypt during antiquity: Historical and Archaeological study with the aid of natural sciences*". Formation of the first Research Group of Greco-Egyptian consisted by 1 egyptologist (Dr P.Kousoulis), 2 archaeologists (Prof. A.Sampson, Dr F.Megaloudi) 2 Historians (Drs S.Syropoulos, I.Sakkas) and 2 archaeometrists (Prof I.Liritzis, post doc Dr T.Ganetsos).

Initiator of a Protocole of Collaboration between Sohag University and Aegean University on Nov 2009 signed by Prof Liritzis and Dr El Gohary and the rectors of the two Universities

Initiator of a Protocol of Collaboration between Beni Suef University and Aegean University signed by Prof Liritzis and Dr M.Metawa and the reactors

of the two Universities on Febr 09 in Beni Suef and May 09 in Mytilini, Greece.

Invited Speaker at Sohag (2009) and Cairo (2010) Universities and presentation of honourable plaques to Prof Liritzis.

Research Project on the study of astronomical Orientations and Dating of Nawamis at Southern Sinai and on ancient Near East & Egypt- Aegean interactions (2010- in progress)

PUBLICATIONS

BOOKS

1. Liritzis, I (1994) *Dating methods in Archaeology*. Publ. Institut de Livre, A.Kardamitsa, 2nd Edition (*Academy of Athens Award 1986*)(in Greek).
2. Ioannis Liritzis and John Xanthakis (1991) *Geomagnetic variation as inferred from archaeomagnetism in Greece and palaeomagnetism in British lake sediments since 7000 BC*, Academy of Athens Publications, vol.53, Athens.[Book Review: by Dr Mark Noel, *Surveys in Geophysics*, 1-2, 1994].
3. Ioannis Liritzis (1991) *Radioactivity Alert*, Phototypos Publ., Athens [Book Review by Prof. P.Dimotakis in *Chimica Chronika* vol.54, no.1, p.23].
4. Ioannis Liritzis, Evangelos Lagios, D. Sotiropoulos (1992) *A global archaeointensity data bank*, University of Athens Publ., Dept. of Geology, Geophysical lab., No.3, Athens.
5. Liritzis, I (1998) *The Mystery of Greek pyramidals*. Academy of Delphic Studies, Athens (in Greek).
6. Liritzis, I (2005) *Archaeology & Environment* (1st Ed.. University of the Aegean, Dept. of Mediterranean Studies, Rhodes, 2001), 2nd Ed. Improved and Increased by 4 Chapters, Institute de Livre, A.Kardamitsa, Athens, 267 p.
7. Orphanidi, L and Liritzis, I (2005) *Introduction in Museology & Preventive Conservation*. (1st Ed. By University of the Aegean, Dept of Mediterranean Studies, Rhodes, with extended summaries per chapter in English & Arabic), 2nd Ed. Increased & Improved, 2006, and 3rd Ed. Increased, 2013, by Institute de Livre, A.Kardamitsa, Athens.
8. Liritzis, I (2007) *Physical Sciences in Archaeology*, G.Dardanos-Tyothito Publisher, 1st Ed. 2005, 2nd Edition Improved, 2007, 703 p. (in preparation in English with a foreign publisher).

9. Liritzis, I, Singhvi, A.K, Feathers, J.K, Wagner, G.A, Kadereit, A, Zacharias, N, and Li, S-H (2013) *Luminescence Dating in Archaeology, Anthropology and Geoarchaeology: An Overview*. SpringerBriefs in Earth System Sciences (<http://link.springer.com/content/pdf/10.1007/978-3-319-00170-8.pdf>)

(NOTE: The archaeometry books in Greek are the only ones existing in Greece and taught in Greek Universities).

REVIEWER OF GRANT PROPOSALS

- 1) IRIS, Cyprus, <https://iris.research.org.cy/#/>
- 2) Israel-USA Research funding Agent, Israel-USA, <https://www.bsf.org.il/>
- 3) AARHUS INSTITUTE OF ADVANCED STUDIES, AIAS-COFUND II FELLOWSHIPS, Denmark, www.aias.au.dk
- 4) FNRS, Expert Belgium, <https://www.frs-fnrs.be/fr/>
- 5) CNRS, French Ministry of Education and Research, France, <http://www.cnrs.fr/en/cnrs>
- 6) Hellenic State of Scholarships, Greece, <https://www.iky.gr/en/>
- 7) ISRAEL Research Foundation

PUBLICATIONS - BOOK EDITOR / CO-EDITOR

1. Ioannis Liritzis, Gregory Tsokas (Editors) *Second Southern European Conference on Archaeometry*, PACT series No.45, Council of Europe, 1996, Belgium.
2. Ioannis Liritzis, Tony Hackens (Editors), *First Southern European Conference on Archaeometry*, PACT series No15, Council of Europe, 1986, Belgium.
3. Ioannis Liritzis (Guest Editor) (2001) *Archaeometry in Archaeology: New Trends*, Proceedings of International Workshop (3-6 Nov., 1999, Rhodes) in *J.Radioanal. Nuclear Chem.*, vol. 247, No 3, 596-730.
4. Liritzis, I (Ed.) (1994) *Delphi Idea, Ancient Greek Rationale and Contemporary World, Proceedings of 1st Philosophical Meeting Contemporary Scepticism*, Academy of Delphic Studies, No.1, 109 p. (ISBN 960-220-584-9).(in Greek & English languages)
5. Liritzis, I (Ed.) (1996) *Delphi Idea, Ancient Greek Rationale and Contemporary World, Proceedings of 2nd Philosophical Meeting Contemporary Scepticism*, Academy of Delphic Studies, No.2, 57 p. (ISBN 960-85798-0-5).
6. Liritzis, I (Ed.) (1997) *Delphi Idea, Ancient Greek Rationale and Contemporary World, Proceedings of 3rd Philosophical Meeting on*

- Contemporary Scepticism*, Academy of Delphic Studies, No.3, 108 p. (ISBN 960-85798-0-5) (with extended summaries in English).
7. Liritzis, I (Ed.) (1999) *Delphi Idea, Ancient Greek Rationale and Contemporary World, Proceedings of 4th Philosophical Meeting on Contemporary Scepticism, Topic: Myth & Reality from within the Ancient Greek Texts and the Visions of Poet A. Sikelianos*. Academy of Delphic Studies, No.4, 93 p. (ISBN 960-85798-2-1, ISSN 1107-3772) (with some articles in English).
 8. Liritzis, I (Ed.). *PROCEEDINGS of the Laboratory of Archaeometry, 1999-2010*, , University of the Aegean, 40 p. (3 issues)..
 9. Liritzis, I (Editor) (2002) *International Conference Proceedings on Archaeology & Environment in Dodecanesse: Research & Cultural Tourism*, Lab of Archaeometry, University of the Aegean, Rhodes.
 10. I.Liritzis & Y.Sakkas (Editors) (1999) *National Meeting: The Role and physiognomy of new dept of Mediterranean Studies*, 5-6 Dec 1998, Rhodes, Dept of Mediterranean Studies (in Greek).
 11. Liritzis.I (1998) *One Day Meeting: Aegean: the cradle of western civilization.*, 23 June 1998, Panhellenic Club of Yachting of Open Seas (PCYOS) & Dept of Mediterranean Studies (DMS), Univ of the Aegean, Organiser I.Liritzis, Proceedings edited by I.Liritzis, publ. by PCYOS & DMS.(in Greek)
 12. *Archaeological Workshop: The Aegean basin between the Balkans, Anatolia and Near east: Local experimentations and outward interactions in an island society*, under the Interreg II Project, 23rd March 2001. Proceedings edited by I.Liritzis & A.Sampson, Dept of Mediterranean Studies, Univ. of the Aegean, Rhodes.
 13. *ACTS OF PROJECT GAIA (Interreg II)- Scientific Responsible Ioannis Liritzis, Community Action, Interreg II Measure 6.3*, Rhodes 2001. Dept of Mediterranean Studies, Univ. of the Aegean. In Greek and English, 60 pages.(ISBN 960-87197-4-7).
 14. *International Conference: Settlers & Settlements in Greece, 9000-1000 BC*, Rhodes 7-11 October 2002. Organised by I.Liritzis. Proceedings edited by I.Liritzis, DMS, Univ Aegean, Rhodes.
 15. *2 Day Meeting on Local initiatives and employment, measure 4.1, of southern Aegean Regional Program Framework of EU with title Cultural Tourism in 3rd millennium: Rhodes, employment, culture*, 17-18 March 2006, Rhodes. Collaboration between Univ of the Aegean, Dept of Mediterranean Studies, Municipality of Rhodes, Regional Office of Dodecanesse et alia, (10 members), Proceedings edited by I.Liritzis (2006).
 16. Liritzis, I (Editor) (2006) *Proceedings of 14th SEAC (European Society of Astronomy in Culture)* (Refereed), Special Issue of the

- International Journal Mediterranean Archaeology & Archaeometry, Vol.6, No 3 (Rhodes).
17. Liritzis, I (Editor) (2008). *New Technologies in Archaeognostic Sciences* (22 Chapters), GUTENBERG PRESS.(in Greek, planned for translation in English).
 18. Initiative between Prof. I.Liritzis, E.Roussos-Papadakis, High Court Attorney in Law and Prof. E.Moutsopoulos, academician. *Towards an intellectual charta of the Aegean*, 22 Sept 2009. Proceedings edited by I.Liritzis & E.Roussos-Papadakis (in Greek with English translation).
 19. Liritzis, I & Zacharias, N (editors) (2010) of the University Book 'Archaeo-Materials', Papazisis Press, Athens, 750 p. (in Greek).
 20. Kostaridou, P & Liritzis, I (editors) In *Cultural Tourism in Lykaeon Mount*, 1st 2Day Meeting 23-24 May 2008 Cultural Center of Megalopolis Municipality, (in Greek).
 21. Ioannis Liritzis and Christopher M. Stevenson (Editors) (2012) *Obsidian and Ancient Manufactured Glasses*; The University of New Mexico Press, Albuquerque (indexed in Scopus)
 22. Liritzis, I, Guest Editor, in the Journal SUSTAINABILITY 2019, (11 papers):
https://www.mdpi.com/journal/sustainability/special_issues/Archaeology_Cultural_Heritage
 In printed Book: <https://www.mdpi.com/books/pdfview/book/4938>
 23. Liritzis, I (2022) Interdisciplinary Essays on Cultural Heritage with New Technologies, Editor: Prof. Ioannis Liritzis, SCIENTIFIC CULTURE, Vol.8, No 3.
 24. Liritzis I (editor): Special Issue "Advances in Geoarchaeology and Cultural Heritage", QUATERNARY, 2022;
https://www.mdpi.com/journal/quaternary/special_issues/geoarchaeology_cultural_heritage

CHAPTERS IN BOOKS

In 2013 I was invited by World experts Prof. Rink, W.J. (McMaster Univ.) and Prof. Thompson, J, on behalf of Springer now Springer Nature Switzerland AG, to compose the chapter on "Obsidian Hydration Dating" in the Encyclopedia of Scientific Dating Methods part of Encyclopedia of Earth Sciences Series (DOI 10.1007/978-94-007-6326-5_39-1), # Springer Science+Business Media Dordrecht, First online in 2014 (DOI: https://doi.org/10.1007/978-94-007-6326-5_39-1). Liritzis.I (2015) Obsidian Hydration Dating, Encyclopedia of Scientific Dating Methods, Springer, 1-23.

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PARTICIPATION & ORGANIZATION OF CONFERENCES

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LAST DECADE INITIATIVES -CONFERENCES
INITIATED & (CO-) ORGANISED BY I. LIRITZIS (1998-
2019)

1. One Day Meeting: «Aegean: Cradle of western civilization», 23 June 1998. Univ of the Aegean & Panhellenic Club of Sailing Open Seas (PCSOS), Mikrolimano, Pireus, Proceedings edited by I.Liritzis, Dept of Mediterranean Studies, Univ of the Aegean, & PCSOS (in Greek)
2. Liritzis, I & Sakkas, Y (editors) 2 Day Meeting on the "Role & physiognomy of the new Dept of Mediterranean Studies", 5-6 December 1998, Rhodes, Dept of Mediterranean Studies, Univ of the Aegean.
3. European Research Workshop "Archaeometry in Archaeology: New trends", 3-6 November 1999, Rhodes. Special Issue at Journal of Radioanalytical and Nuclear Chemistry, Vol 247, No3, 2001. Guest Editor I. Liritzis.
4. International Conference "Archaeology and Environment in Dodecanese: Research and Cultural Tourism", 2-4 November 2000, Rhodes. Proceedings edited by I. Liritzis, Dept of Mediterranean Studies, Univ of the Aegean (2002).
5. Archaeological Workshop: "The Aegean basin between the Balkans, Anatolia and Near East: Local experimentations and outward interactions in an island society", within the frame of INTERREG II Programme, 23th March 2001, Rhodes, proceedings by I.Liritzis & A.Sampson, Rhodes Dept of Mediterranean Studies, Univ of the Aegean (2001).
6. International Conference "Religion and Rationalism in Ancient Greece", 25-29 May 2001, Rhodes. University of the Aegean, Dept. of Mediterranean Studies and CIERGA International association.
7. 1-Day Workshop Seminar on « Literature, thinking and philosophical trends: can we speak of a center and a region in Europe? What is the role of thinkers?» along the frame of program «CULTURE 2000, EU Programme: Literature approach », 8 March 2002, Rhodes, International Center of Writers & Translators, Rhodes, University of the Aegean, Dept of Mediterranean Studies.
8. International Conference: *Settlers and Settlements in Greece, 9000-1000 BC*, Rhodes 7-11 October 2002. Organised by the Lab of Archaeometry, Dept of Mediterranean Studies, Proceedings edited by I Liritzis..
9. *Melos International Workshop "Recent Advances in Obsidian Dating and Characterization"*, 2-6 July 2003, Melos island, Greece. University of the Aegean, Dept. of Mediterranean Studies, Laboratory of Archaeometry, co organised with International Association for Obsidian Studies (I.A.O.S.).

10. 1 Day Seminar «Application of informatics in archaeology» in the frame of action «Restructuring Undergraduate Syllabus of Dept of Mediterranean Studies» EU-Ministry of Education Programme, 28 October 2004.
11. *International Conference: 'The Archaeology of World Megalithic Cultures', " Theme Session: EuroMediterranean Megalithic Cultures, 5000-1300 B.C.", Rhodes 28-31 October 2004.*
12. *Application of Informatics in Archaeology (28-10-2005).* Organised by Archaeology Division- Lab of Informatics (Director Prof I Liritzis) & Student Union,.
13. *International Workshop: The Impact of Natural Catastrophes on Ancient Mediterranean Civilizations" 28-30 October 2005 Island of Rhodes, Greece (Some presentations after peer review are published in MAA issues.)*
14. 2 Day Meeting in the frame of EU Programme «Local initiatives & employment» Measure 4.1 «Actions on promotion of employment & actions on education » Enterprise Regional Programme of Southern Aegean 2000-2006 entitled «Cultural Tourism in the 3rd Millennium: Rhodes-Employment- Culture », 17-18 March, 2006, Rhodes, Municipality of Rhodes, University of the Aegean, et al Agents of Public & Private Sector. Proceedings edited by I.Liritzis.
15. *International Conference on Archaeoastronomy, SEAC2006, "Ancient Watching at Cosmic Space and Observation of Astronomical Phenomena", 6-10 April, 2006, Rhodes, Greece (Those Presentations peer reviewed and accepted are published in Special Issue of MAA, Vol.6, No.3, 2006, Editor I. Liritzis)*
16. Open Seminar Statistical Elaboration of Archaeometrical data in collaboration with Dr I.Papageorgiou, Univ of Athens, Dept of Statistics. 29 & 30 May 2006, Lab of Archaeometry, Rhodes.
17. 1 Day Meeting: «New Technologies in the archaeognostic sciences », in the frame of Action «Restructuring Undergraduate Syllabus of the Dept of Mediterranean Studies of EU- Ministry of Education Programme, 24 October 2006, Rhodes.
18. INTERNATIONAL SPECIALIZED WORKSHOP. The dating and Provenance of Obsidian and Ancient Manufactured Glasses. Delphi, Greece, 21-24 February 2008. Lab. of Archaeometry, Dept of Mediterranean Studies, Univ of the Aegean, Rhodes and Virginia Dept. of Historic Resources Richmond, Virginia, USA. Εκδ. TOMOY από New Mexico Press, Editors I.Liritzis & Chris Stevenson. <http://www.rhodes.aegean.gr/tms/delphiobsidian2008/index.htm>)
19. 1 Day Meeting: «Towards a spiritual chart of the Aegean », 22/09/2008, Ianos Hall, Athens, Initiative by Members of the Univ of the Aegean, Proceedings edited by Liritzis, I & Rousos-Papadakis, E.

20. International Symposium on: «*Styria Gaia: The archaeology of Southern Euboea*», 3-5 July 2009, Styra Euboea, Municipality of Styra & University of the Aegean Lab of Archaeometry, Proceedings as a Special Issue of *Mediterranean Archaeology & Archaeometry*, Vol.10, No.3, edited by Editor in Chief I. Liritzis, Guest Editor Dr R. Keller.
21. 1st Luminescence in Archaeology International (L.A.I.S.) Symposium, 9-12 September 2009, Delphi, Greece. University of the Aegean, N.C.S.R. Demokritos, University of Peloponnese, Technological Educational Institute of Lamia. President of the permanent committee of LAIS, I. Liritzis. Special Issue in *Med. Archeol. Archeom*, with guest editor Dr N. Zacharias.
22. **Initiator of a Protocole of Collaboration** between Sohag University and Aegean University on Nov 2009 signed by Prof Liritzis and Dr El Gohary and the rectors of the two Universities
23. **Initiator of a Protocole of Collaboration** between Beni Suef University and Aegean University signed by Prof Liritzis and Dr M. Metawa and the reactors of the two Universities on Febr 09 in Beni Suef and May 09 in Mytilini
24. **1st International Workshop on VIRTUAL ARCHAEOLOGY: Museums & Cultural Tourism**
25–28 Σεπτεμβρι, 2013 Δελphi, Γρεεχε <http://vamct13.syros.aegean.gr/>
Organizer: University of the Aegean, Dept. of Mediterranean Studies, Laboratory of Archaeometry, in collaboration with: The University of the Aegean, Dept. of Product and Systems Design Engineering, Research Center "ATHENA"- Xanthi, Dept. of Digital Cultural Heritage «Klepsydra», Duke University, Dept. of Classical Studies (USA), UNDER THE AEGIS OF THE GREEK MINISTRY OF EDUCATION, CULTURE, RELIGION, & SPORTS.
25. 2nd International Symposium, L.A.I.S. 2012 LISBON, <http://www.lais2012.itn.pt>, GeoLuC, UCQR, Instituto Tecnológico e Nuclear, EN10, 2686-953 Sacavem, Portugal. President of LAIS series Prof Ioannis Liritzis.
26. Coastal Carolina Univ USA - Univ of the Aegean (Dept of Mediterranean Studies) 2014, MOU, Senior Scientist Responsible.
27. USTC at Hefei, China - UNIV OF THE AEGEAN (Dept of Mediterranean Studies) 2015, MOU, Senior Scientist Responsible.
28. **2nd International Workshop on VIRTUAL ARCHAEOLOGY: Museums & Cultural Tourism**
23–26 Σεπτεμβρι, 2015 Δελphi, Γρεεχε <http://vamct15.syros.aegean.gr/>
Organizer: University of the Aegean, Dept. of Mediterranean Studies, Laboratory of Archaeometry, in collaboration with: The University of the Aegean, Dept. of Product and Systems Design Engineering, Research

Center "ATHENA"- Xanthi, Dept. of Digital Cultural Heritage «Klepsydra».

29. **1st Int Conf Environment & Culture, Henan Univ June 2019, China**
30. 10th High-End Forum of Yellow River Studies with foci on "Climate Change, Yellow River Dynamics and Human Civilization in Central Plain of China", 2018. Keynote speaker.
31. 5th ARCH_RND, Archaeological Research & New Technologies, 4-5 OCTOBER 2018,, KALAMATA
32. 6ο ΑΡΧΑΙΟΛΟΓΙΚΟ ΕΡΓΟ ΘΕΣΣΑΛΙΑΣ ΚΑΙ ΣΤΕΡΕΑΣ ΕΛΛΑΔΑΣ, 2015-2017, ΑΠΟ ΤΟΥΣ ΠΡΟΪΣΤΟΡΙΚΟΥΣ ΣΤΟΥΣ ΝΕΩΤΕΡΟΥΣ ΧΡΟΝΟΥΣ.
33. 4th HMO - HERMA Conference on Heritage Management, ELEUSINA - Greece, 22-24/09/2017
34. 2nd International Conference on Global Issues of Environment and Culture, Delphi, 17-19 Sept, Delphi Greece (www.shap-conference.com). Chairman-Coordinator Prof Ioannis Liritzis.

INVITED SPEAKER

1. *Obsidian Summit International Workshop, 2-3 Sept 2004, Rikkyo University, Tokyo Japan. (& Session at Meiji: Meiji Univ, Meiji Univ Institute of Humanities, Meiji Univ Center for Obsidian & Lithic Studies).*
2. *University of Sohag, Egypt, Dept of Conservation Studies, Faculty of Arts, 30 Oct 2009. Talk on 'Conservation and Archaeometry and Pigment Analysis of mural paintings'.*
3. *Physical Research Laboratory, Ahmedabad, India, 2nd Asian-Pacific Luminescence & ESR Dating, 11-26 Nov 2009. Talk on 'Surface luminescence dating : an overview'*
4. *6th Symposium of Intensive Medicine Care of Military Forces, 30-31 May 2008, Athens. Talk on 'Discovering the past with physics'*
5. *Hellenic Archaeometry Association & Ministry of Culture, Natural Sciences & archaeological materials, The institutes of research discuss and propose. 7 May 2007 Athens, Talk on the "Initiation of a National Archaeometry Network".*
6. *9th Intern Workshop on Non-Crystalline Solids, Porto 27-30 April 2008. Talk on Diffusion phenomena in non crystalline obsidian samples and applications in the dating of ancient obsidian tools by SIMS and FT-IR co authored).*
7. *Aegean nanoscience and nanotechnology Workshop. 2nd International Conference from "Nanoparticles & nanomaterials to nanodevices & nanosystems", Rhodes 28 June- 3 July 2009. Talk on "From micron to nano scale in rhyolites: SEM, PLM and AFM in obsidian hydration dating by SIMS-SS. (<http://www.uta.edu/ic4n/>).*

8. *Exploring the Maltese Prehistoric Temple Culture*, 25-27 Sept 2003 Malta. Talk on 'Luminescence dating of megalithic monuments'. (<http://www.otsf.org/EMPTC-conference.html>).
9. Intern. Conference *Egypt and the Mediterranean Countries: Historical ties and a future vision*, Beni Suef University 2-4 April 2009, Under the Patronage of Minister of Higher Education, Talk on 'the Role of archaeometry to cultural heritage, tourism and diplomacy.'
10. *3 Days Seminar on Environmental Education*, Center for Environmental Education, Amfissa, Central Greece, on "Climatic Changes & Environment", 27-29 March 2009, Talk on "Palaeoclimate and Astronomy".
11. 1st Regional STACHEM (Science & Technology for archaeology & Cultural Heritage in the Eastern Mediterranean, EU funded FP7 project) Workshop on Infrastructures in Natural & Material Sciences in Archaeology, 8th May 2009 Xanthi, Greece. Talk on 'Coordination of network activities and initiatives on archaeometry'.
12. Invited Professor at University of Cairo, Egypt, Spring 2010, Faculty of Archaeology, Dept of Conservation.
13. Invited Speaker 2nd Symposium on Archaeological Research & New Technologies, ARCH_RNT, Dept of History, Archaeology & Cultural Management, Univ of Peloponnese, Kalamata, 21 - 23 Oct, 2010
14. In *Where does Agriculture stands on?* Summer Ecological School, Interdisciplinary Institute of Environmental Research, Samothrace, 4-8 July 2010.
15. Art Collectors & Collections, 2nd Round of Lectures Theocharakis Foundations Athens, 24 Jan-7 Febr 2011.
16. *Greek Regionalists Conference on the "Future of Regional development and Urban planning in Greece"*, Delphi 24-25 Febr 2012. (Organised by several agents, Responsible: Dr Ladias Univ of Central Greece).
17. Plenary Lecture at 2nd Luminescence in Archaeology International Symposia, LAIS2012, Liosbon, 5-7 Sept 2012. 'Updating of radiation dose-rate conversion factors: a critical re-evaluation'
18. Invited Lecture at 3rd ARCH_RNT (Archaeological Research & New Technologies) University of Peloponnese, Kalamata, 3-5 Oct 2012, "Dating by Obsidian Hydration: Recent data and new perspectives, Dept of History, Archaeology & Cultural Management, Univ of Peloponnese, Kalamata, 21 - 23 Oct, 2012, Abstract Book, 39-40.
19. 6th Symposium of Hellenic Archaeometry association Athens 16-18 May 2013 Liritzis et al., "Prehistoric Delphi: Luminescence dating on ceramics and stone from Koumoula (Livadhi Valley, Parnassus mountain, Delphi, Greece)" Abstract Book, p.37 (www.archaeometry.gr).
20. Invited to serve on the International Program Committee (IPC) of Digital Heritage 2013 International Congress held in Marseille, France,

- from Oct,28th to
Nov,1st,2013 (<http://www.digitalheritage2013.org>)
21. Invited visiting distinguished professor at California University at San Diego (Qualcom Inst & Center of Hellenic Studies & Dept of Anthropology, USA), participation to UCSD-University of the Aegean Workshop (29 Oct - 2 Nov 2014)
 22. Invited visiting distinguished professor at Coastal Carolina University, Edwards College of Visual Arts, USA (22 Oct-29 Oct., 2014 presented five lectures).
 23. Samara State Academy of Culture and Arts, Russia. Participation in the conference "Modernization of Culture: Paradigms of Cultural Changes" (22-23 May, 2014, Samara, Russia) as Keynote Speaker
 24. 4-19 April 2015. Invited distinguished scholar at University of Science & Technology of China, at Hefei. Lecturing and research initiatives with Prof Z.Jin and staff.
 25. 2nd VIRTUAL ARCHAEOLOGY 31 May-4 June 2015 Intern. Conference at St Petersburg Russia, Invited Keynote Speaker. (https://drive.google.com/file/d/0B_TGYHcLpQpWYjBWaGN1dVUwN3c/view?pli=1)
 26. 24-28 Oct 2015 King Saud University, Riyadh, Saudi Arabia, via Visiting Professors Programme.
 27. 3d Hyperheritage International Seminar (HIS.3) "Cultural Heritage Information Design" 5-7 May, 2016, Kerkena, Tunisia, Member of International Steering Committee (<http://his3.hyperheritage.org/>)
 28. Invited member of Org Comm and Invited Speaker: The 4th HMO International Conference in Heritage Management, 22 to 24 September 2017, in Elefsina, Greece. www.inherity.org/conference.
 29. Dr. E. Deniz OĞUZ-KIRCA, Prof. Numan TUNA, Prof. Ioannis LIRITZIS (2016) Khora in the Khora . In "Rural Settlements and Urban Centers in Mediterranean During Antiquity" 07-09 April 2016, by KAAM (Research Center for Cilician Archaeology) of Mersin University, Turkey.
 30. Invited Keynote Speaker: 10th High-End Forum of Yellow River Studies with foci on "Climate Change, Yellow River Dynamics and Human Civilization in Central Plain of China" , Kaifeng City of Henan Province (China) June 22-24, 2018.
 31. 5th ARCH_RNT Archaeological Research & New Technologies, theme topic on Electron Microanalysis, 4-5 OCTOBER 2018, KALAMATA. Invited with two (2) co-authored presentations. (https://www.uop.gr/images/5th_ARCH_RNT_Final_Programme.pdf)

32. Invited: 8 June 2022, Xiamen University, Conservation Science Laboratory, Department of History, College of Humanities, Title: Archaeometry: brief overview and advancements.

33. Invited May 25, 2022 [Online] by Carl Friedrich von Weizsäcker Colloquium, Tübingen University, Title: Archaeometry: brief overview (<https://youtu.be/rh4KoYm9qGk>)

34. Invited May 18, 2022 [Online], by Carl Friedrich von Weizsäcker Colloquium, Tübingen University, Title: "Pythian Games & Pythiad, European Delphic Intellectual Movement. A Celebration of Antiquity Reimagined: Delphic Festivals"
<https://www.youtube.com/watch?v=ILWNkqGy-Dc&list=PLsY-pzz3J1IRnvgQ890nr0Zv-37sUsnzF&index=27&t=224s>; <https://uni-tuebingen.de/einrichtungen/zentrale-einrichtungen/carl-friedrich-von-weizsaecker-zentrum/news-und-events/carl-friedrich-von-weizsaecker-kolloquium/>

RECENT ACTIVITIES (CONFERENCES, SUMMER SCHOOLS, E-LEARNING, ARCHAEOLOGICAL EXCAVATIONS)

Summer School 2013:

<https://aegeanarch2013.pns.aegean.gr/>

International Workshop:

<http://vamct13.syros.aegean.gr/>

e-Learning in Archaeometry 2012-13

<http://e-epimorfosi.aegean.gr/archeometry-program-home>

e-Learning in Archaeoastronomy 2013-14

http://e-epimorfosi.aegean.gr/e-viewpr?prpd_id=48931&menu=general

e-Learning in Archaeometry 2013-14

http://e-epimorfosi.aegean.gr/e-viewpr?prpd_id=55493&menu=general
(archaeometry)

Accredited Summer School in Delphi 2015 on Digital Technologies in Cultural Heritage

<http://digarch.syros.aegean.gr>
<https://digarch2015.pns.aegean.gr/>

Symposium

<http://vamct.syros.aegean.gr/2015/aims-scope.shtml>
<http://vamct.syros.aegean.gr>

Summer Schools 2016-2018

Director-Coordinator: Ioannis Liritzis

2016

<https://summer-schools.aegean.gr/DigArch2016>

DIGITAL TECHNOLOGIES & FIELDWORK IN CULTURAL HERITAGE,
MUSEUMS & MYCENAEAN SITE OF KASTROULI - DigArch2016
SCHOOL OF HUMANITIES - Department of Mediterranean Studies
5 Jul 2016 to 31 Jul 2016

2017

<https://summer-schools.aegean.gr/KASTROULI2017>

ARCHAEOLOGICAL EXCAVATIONS IN DELPHI LATE MYCENAEAN
SETTLEMENT
SCHOOL OF HUMANITIES - Department of Mediterranean Studies
19 Jul 2017 to 1 Aug 2017
Delphi

2018

<https://summer-schools.aegean.gr/KASTROULI2018>

ARCHAEOLOGICAL EXCAVATIONS IN DELPHI LATE MYCENAEAN
SETTLEMENTS
SCHOOL OF HUMANITIES - Department of
Mediterranean Studies
8 Jul 2018 to 29 Jul 2018
Delphi

2016-2020

Director-Scientific Responsible-Conceptualization: Archaeological & Archaeometrical Investigations at Kastrouli Settlements, near Delphi, Greece (www.kastrouli.org). Systematic excavation project under permit by Ministry of Culture, Greece

2021

2nd International Sino-Hellenic Conference on Global Issues of Environment & Culture, Delphi (online). President & Coordinator Prof Ioannis Liritzis. <https://shap-conference.com/>

PAPERS PUBLISHED IN FOLLOWING ICI INTERNATIONAL JOURNALS & THEIR IMPACT FACTOR

NATURE	42.8
SCIENTIFIC REPORTS	5.0
JOURNAL OF ARCHAEOLOGICAL SCIENCE	3.10
ARCHAEOOMETRY	1.87
ARCHAEOLOGICAL PROSPECTION	2.28
NUCLEAR GEOPHYSICS	0.364
APPLIED SURFACE SCIENCE	2.11
NATURWISSENSCHAFTEN	2.14
ASTRONOMY & GEOPHYSICS	0.607
ANTIQUITY	1.90
NEW ASTRONOMY	1.921
PHYSICS OF THE EARTH & PLANETARY INTERIORS	2.420
SURVEYS IN GEOPHYSICS	1.405
JOURNAL OF RADIOANALYTICAL & NUCLEAR CHEMISTRY	1.46
BYZANTINISCHE ZEITSCHRIFT	0.12
GEOPHYSICAL JOURNAL INTERNATIONAL	2.85
COMPTES REDUES DE L'ACADEMIE DES SCIENCES, PARIS RENDUS DE L'ACADEMIE DES SCIENCES - SERIES IV - PHYSICS - ASTROPHYSICS : CONTINUED AS COMPTES RENDUS PHYSIQUE	1.90
COMPTES RENDUS GEOSCIENCE: FORMERLY PART OF COMPTES RENDUS DE L'ACADÉMIE DES SCIENCES - SERIES IIA - EARTH AND PLANETARY SCIENCE	2.078
COMPTES RENDUS PALEVOL	1.21
GEOARCHAEOLOGY INTERNATIONAL	1.029
QUARTERLY JOURNAL OF ROYAL ASTRONOMICAL SOCIETY Monthly Notices of the Royal Astronomical Society: A Journal of the Royal Astronomical Society	5.352
NUCLEAR INSTRUMENTS & METHODS NUCLEAR INSTRUMENTS AND METHODS IN PHYSICS RESEARCH SECTION B: BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1.26
NUCLEAR INSTRUMENTS AND METHODS IN PHYSICS RESEARCH SECTION A: ACCELERATORS, SPECTROMETERS, DETECTORS AND ASSOCIATED EQUIPMENT	1.14
EARTH , MOON & PLANETS	0.83

<i>PURE & APPLIED GEOPHYSICS</i>	1.60
<i>JOURNAL OF COASTAL RESEARCH</i>	0.91
<i>NUCLEAR TRACKS & DETECTORS</i> <i>Radiation Measurements: Nuclear Tracks and Radiation Measurements</i>	1.37
<i>MEASUREMENT</i>	1.16
<i>JOURNAL OF CULTURAL HERITAGE</i>	2.14
<i>ARCHAEOLOGICA & ANTHROPOLOGICAL SCIENCES</i>	2.40
<i>MEDITERRANEAN ARCHAEOLOGY & ARCHAEOOMETRY</i>	0.60
<i>SUSTAINABILITY</i>	3.90
<i>SCIENCE</i>	41.80
<i>EDUCATION SCIENCES</i>	0.80
<i>GEOSCIENCES</i>	2.10

CITATIONS

* Over 4000. He is cited in the WHO'S WHO IN THE WORLD, Marquis Publ. USA, WIKIPEDIA, GOOGLE SCHOLAR, SCOPUS, ACADEMIC SEARCH etc.

* Reported in Top Cited Scientists on Arts & Humanities.

* Special Exposition of my Research Work in various publications e.g. by Dr Felix Grant (2001) Computing the Past, In Scientific Computing World, Sept/Oct., 25-29

* TIMES and New Scientist...on Greek pyramids; Discovery Channel;
<http://www.powerhousemuseum.com/zagora/2012/11/14/archaeometry-surface-luminescence-dating-of-built-structures>;
<http://www.science-frontiers.com/sf116/sf116p01.htm>, and many more.

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