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Ioannis Liritzis is Professor of Archaeometry and Director (& Founder) of Lab of Archaeometry of the Department of Mediterranean Studies, University of the Aegean, Rhodes, Greece.

A graduate of Physics, University of Patras, Greece, and ex-student of Edinburgh University-PhD in Physics, Edinburgh University (1980). Post Graduate work include *Nuclear Instrumentation* (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; *Nuclear Physics Applied in Archaeology-Radiochemistry,* University of Edinburgh (Ph.D, 1980) and at MacMaster University, Dept of Geology (under Prof. H. Schwarcz), Hamilton, Ontario, Canada (radiochemistry of cave deposits by U-Th dating, 1977).

Head of the Dept (2004-2006), has served as Director of the Laboratory of Informatics (2005-2010) and he runs the Lab. of Environmental Archaeology (2010-) at the Dept of Mediterranean Studies. His special field is *Natural Sciences in Archaeology & 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, Research Center for Astronomy & Applied Mathematics (1989-1999).* 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, France, and University of Patras, Greece.

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 (Responsible for Natural Sciences & co-responsible in Humanities) 2005-2008, National Expert in 7th FP of European Union in the Programme Cooperation (SocioEconomical Sciences & Humanities) 2006-2009.

His research and educational activities focus in the interdisciplinary field of Physics 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, *on archaeological sciences (in Greek, Egyptian and other World derived materials), nuclear physics*, *nuclear chemistry*, *archaeometry (in almost most special fields of the interdisciplinary subject such as nuclear dating, analytical techniques & characterization, archaeoastronomy, geophysical prospection, digital heritage), 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 metal artifacts (archaeometallurgy). The time span of his applications ranges from Palaeolithic to modern era.

In 2003 he was elected as Correspondent Member of the Academy of Sciences of Dijon, France. (Membre Correspondant de *l' Academie de Sciences, Arts et Belles Lettres de Dijon*), and in 2008 *Member of the European Academy of Sciences & Arts, Saltzburg*, Class IV Natural Sciences. Invited professor at Univ de Bordeaux III, France; Cairo and Sohag and Beni Suef Universities, Egypt, Tennessee Univ USA, Edinburgh Univ, Beijing Univ, and other Institutes. He has been awarded 14 awards/distinctions. His book *Archaeometry: dating methods in archaeology,* Institute de Livre (Kardamitsa Press), Athens, 1986 has been praised by the Academy of Athens (1988), which together with his national and international impact on archaeometry has been recognised by the Excellence Award of the Greek Ministry of Education (2012-13).

He has written 9 books (4 in English), more than 250 papers in mainly International cited journals, whereas a part (25%) in Greek Journals (mainly single or main author), National Proceedings and Chapters in Greek Books, and he has served as Editor or Co-Editor in 21 mainly international Volumes. His last 2 books are*: Luminescence Dating in Archaeology, Anthropology and Geoarchaeology: An Overview, 2013,* co-authored with Singhvi, A.K, Feathers, J.K, Wagner, G.A, Kadereit, A, Zacharias, N, and Li, S-H SpringerBriefs in Earth System Sciences (http://link.springer.com/content/pdf/10.1007/978-3-319-00170-8.pdf, and *Obsidian and Ancient Manufactured Glasses*; 2012, co-edited with Dr C.Stevenson (Virginia Commonwealth Univ, USA), published by The University of New Mexico Press, Albuquerque.

All of this research has been published in renowned journals. He has been elected as Member/ Fellow in Greek and International Scientific Societies, and has carried several scientific Programmes co-funded by EU and Greek Ministries. Member/Fellow of several Scientific Societies and the Chiemgau Impact Research Team (CIRT).

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; also, novel approaches in seismicity and solar terrestrial relationships and their impact on early and contemporary societies, and deciphering early Greek natural philosophy, as well as archaeoastronomy*.

His published work is referred to the Scopus and other ICI data bases and serves as Member of Editorial Board or Editor or Editor-in-Chief in 20 International Journals. He has established the international journal *Mediterranean Archaeology & Archaeometry* that has impact factor and cited in Arts & Humanities Citation index and elsewhere (www.maajournal.com).

He has organized dozens of International Workshops/ Conferences and initiated New Symposia series on Archaeometry, natural disasters in antiquity, dating obsidian, digital cultural heritage, luminescence dating, and has edited Proceedings in international

His research and education activities have 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. 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.