

CURRICULUM VITAE

NAME/SURNAME: ANASTASIA POURNOU

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Professor

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1 STUDIES

1.1. DEGREES

June 1999 PhD, Portsmouth University, School of Biological Sciences, entitled: “*In situ* protection and conservation of the Zakynthos wreck”. The PhD project, dealt with the a) ecological and environmental monitoring of the Zakynthos wreck site; b) evaluation of the effectiveness of the geotextile TERRAM against marine wood borers and its suitability as an *in situ* protection material for the Zakynthos wreck; c) physicochemical assessment (SEM, NMR) of the condition of waterlogged wood from the Zakynthos wreck and d) development of a conservation protocol for the Zakynthos timbers involving control air drying, vacuum freeze drying and tanking methods using polyethylene and polyalkylene glycols.

May 2000 PhD degree recognition by the Greek Inter-University Centre for the Recognition of Foreign Degrees (DIKATSA Action No: 12-159).

June 1994 BSc (Hons), Technological Educational Institute of Athens (TEI A), Department of Conservation of Antiquities and Works of Art, final degree mark: 80/100, (First class).

Final year project entitled: “Evaluation of conservation treatments for the waterlogged wood of the 17th century shipwreck La Thérèse”. The project, was dealing with a comparative conservation study, involving control air drying, vacuum freeze drying and tanking methods using polyethylene glycols on samples retrieved from a 17th century French flagship found in Crete.

1.2. SCHOLARSHIPS

1995-1999 The PhD four-year project was funded by I.K.Y. (State Scholarship Foundation, S.S.F.).

1.3. ACTIVITY DURING STUDIES

1995 Researcher at the Department of Biology, University of Portsmouth, studying the effect of diverse catalysts in the polymerization degree of bio-isomers.

1992 Conservator in the underwater excavations of the Ephorate of Underwater Antiquities of the French 17th c. shipwreck "La Thérèse", Heraklion, Crete.

1990 Conservator in a Franco-Roman excavation in Lunel-Viel, France. (Director of excavation Dr Claude Raynaud). The participation was supported by a scholarship from the French Academy of Athens.

1.4. FOREIGN LANGUAGES

June 1994 English, (TOEFL, Hellenic American Union)

June 1993 French, (Diplôme d' études supérieures III, Institut Français d'Athènes)

June 1991 Italian, (Certificato, Dante Aligheri Institute)

1.5. TRAINING

2016 Training School on wooden musical instruments entitled «An Introduction to the History and Technology of Wooden Musical Instruments» organized by the European COST Action FP 1302 «WoodMusICK – WOODen MUSical Instrument Conservation and Knowledge», at the Rijksmuseum Institute, Amsterdam, Holland.

2009 Training School on «Wood-Destroying Insects and Decay Fungi and Moulds on Wooden Cultural Heritage Objects and Constructions», organized by the European COST Action IE 0601 entitled «Wood Science for Conservation of Cultural Heritage», at the Institute for Wood Technology and Wood Biology (HTB) of the Johann Heinrich von Thünen Institute, Federal Research Institute for Rural Areas, Forestry and Fisheries (vTI), Hamburg, Germany.

2002 Training School on «Conservation of wood polychromy» (Restauro di sculture lignee policrome), at the “Istituto per L’Arte e il Restauro”, Palazzo Spinelli, Florence.

2002 Training School on «Furniture conservation» (Restauro del mobile), at the “Istituto per L’Arte e il Restauro”, Palazzo Spinelli, Florence.

1996 Training School on «Identification of wood», under the framework of Professional Training in Conservation of Antiquities, Archaeology, Collection Management and Museum Studies, at the Institute of Archaeology, University College of London.

2 SCIENTIFIC WORK

2.1 RESEARCH PROJECTS

2017 From October 2016 until June 2017, during her sabbatical, she worked at the Laboratory of Biochemistry, Department of Medicine, University of Patras, in collaboration with Dr Konstantina Nika. She was trained on Polymerase Chain Reaction (PCR) technique for the isolation and identification of DNA of microorganisms attacking organic substrates of Cultural Heritage

2015 From March 2012 until November 2015 coordinated as project leader the research project **MERMAID**, full title: «**Saving wooden shipwrecks in the Mediterranean marine ecosystem: Research, development and application of innovative methods of *in situ* protection**», implemented under the framework of THALES Action and is co-financed by the European Union (European Social Fund – ESF) and Greek national funds through the Operational Program Education and Lifelong Learning of the National Strategic Reference Framework (NSRF).

- 2015** From March 2013 until November 2015 worked as a researcher in the project entitled «**New Approaches and Application of Electrochemical Techniques and Corrosion Inhibitors for in-situ Monitoring of Shipwrecks and Treatment of recovered marine composite artefacts containing metal**», implemented under the framework of ARCHIMEDES III : Supporting Research Groups in Technological Educational Institutions, Operational Program: "Education and Lifelong Learning" of the National Strategic Reference Framework (NSRF).
- 2015** From March 2012 until November 2015 coordinated as project leader the research project **MEDART**, full title: «**Chelators used in clinical medicine can lead to the development and implementation of innovative cleaning methods for removing iron corrosion products from museum artefacts**», implemented under the framework of ARCHIMEDES III : Supporting Research Groups in Technological Educational Institutions, Operational Program: "Education and Lifelong Learning" of the National Strategic Reference Framework (NSRF).
- 2015** From March 2012 until November 2015 worked as a researcher in the project **INVENVORG**, full title: «**Investigation of the environmental factors effects on organic materials constituting the natural and cultural heritage**», implemented under the framework of THALES Action and is co-financed by the European Union (European Social Fund – ESF) and Greek national funds through the Operational Program Education and Lifelong Learning of the National Strategic Reference Framework (NSRF).
- 2013** In 2013 worked as a researcher-subcontractor on a study entitled «**Wood species identification of the Vailos' house construction timbers**» in order to select the appropriate timbers for the restoration of a Venetian building located in Chalkida. The restoration programme entitled "The restoration of the Vailos house in Chalkida" was implemented by the 23rd Ephorate of Byzantine Antiquities under the Operational Programme "Thessaly _ Mainland" Greece- Epirus 2007-2013 of the Region of Central Greece, project code 2010SE01480035.
- 2009** From August 2008 until December 2009 worked as a researcher in the project entitled «**Bringing ethnographic material to prominence to prominence ethnographic material**» under the framework of the program entitled «Routes of the Cultural Heritage of Florina» (INTEREG III).
- 2008** From January 2005 until June 2008 coordinated as a Project Leader, the research Project «**Research on the Development of Acceptable Standards in the field of Conservation/Restoration of Cultural Heritage**» implemented under the framework of Archimedes II, Program O.P. "Education", Action line 2.2.
- 2007** From January 2006 until December 2007 worked as a researcher in the project entitled «**Local specialized museums in Greece and Germany**» under a bilateral Collaboration between Greece and Germany funded by IKY.
- 2007** From January 2005 until December 2007 worked as a researcher in the project entitled «**The role of local Museums in regional and local sustainable development**» implemented under the framework of Archimedes II, Program O.P. "Education", Action line 2.2.

- 2006** From January 2004 until December 2006 worked as a researcher in the project entitled «**Development of a biochemical cleaning method for museum objects of natural history with the aid of enzymes and inhibitors for the controlled removing of conservation materials from substratum with similar chemical composition** » implemented under the framework of Archimedes I, Program O.P. "Education", Action line 2.2.
- 2006** From May 2004 until December 2006 worked as a Project Officer and researcher in the project entitled, «**First Aid for Wetland Cultural Heritage Finds: Tradition and Innovation**», implemented under the framework of the European project CULTURE 2004.
- 2005** From May 2002 until December 2005 worked as a researcher on the project entitled «**Research study on the biodeterioration of waterlogged wood found in archaeological lakeside dwellings**» implemented under a bilateral Collaboration between Greece and Russia funded by the Greek General Secretariat of Research and Development (Γ.Γ.Ε.Τ)
- 2003** From April 2001 until September 2003 worked as a Scientific Coordinator of the project entitled «**Distance learning brokerage Environment for Life long Training of Individuals with emphasis on Socially Excluded Communities**» implemented under the framework of the European IST project "HOPE".
- 2001** From March 2001 until August 2001 worked as a researcher for the production of an educational handbook entitled «**The microscopic structure of Greek wood species using scanning electron microscopy**» implemented for the Department of Furniture Design and Technology, TEI of Larisa, funded by EKT.
- 2001** From June 2000 until March 2001 worked as a researcher at the project entitled «**Development of a multilingual dictionary of conservation / restoration terminology in printed and digital format**», implemented under the framework of the European project "CONNECT".
- 2000** From December 1999 until June 2000 worked for the production and editing of education material on «**Biodeterioration of waterlogged archaeological wood**» implemented for the Department of Conservation of Antiquities and Works of Art, under the framework of EPEAEK of TEI of Athens.
- 2000** From April 1998 until January 2000 worked as a researcher to study, and document decay patterns on wooden construction materials at the Construction Company, Mpousbouras Ltd.
- 2000** From August until September of the years 2000, 1998, 1997, 1996, and 1995 worked as an external collaborator for consultancy at the Greek Ephorate of Underwater Antiquities, for the excavation project of the of the Zakynthos 16th century shipwreck, on issues related to finds conservation and site management.

2.2 PRO BONO WORK

- 2020** Collaboration with the School of History and Archaeology, Aristotle University of Thessaloniki, under the framework of Archaeological Excavation Projects, for consultancy on the condition assessment and the conservation plan of waterlogged wood excavated at Dispilio Lakeside Neolithic Settlement (Appointed by Prof. Konstantinos Kotsakis).
- 2017** Collaboration with the German Archaeological School for consultancy on the assessment of the condition and the conservation plan of waterlogged wood excavated at the archaeological site of Keramikos (Appointed by Mr. Angelos Sotiropoulos).
- 2017** Collaboration for species identification of wooden construction elements from the arched stone bridge of Konitsa, (Appointed by Mr. Ch. Giannelos and Dr. E. Vitzilaiou, NTUA).
- 2017** Collaboration for species identification of the wooden support of a mosaic icon of the Virgin of Pammakaristos located in the Church of St. George in the Ecumenical Patriarchate of Istanbul (Appointed by Dr S. Chlouveaki).
- 2016** Collaboration with the Municipality of Nikaia - Agios Ioannis Rentis and the Directorate of Conservation of Ancient and Modern Monuments, Greek Ministry of Culture for consultancy on the conservation of the wooden door of the courtyard of "the block of Kokkinia" an important monument of the Greek modern history where the Nazis mass executed 350 civilians. (Appointed by Ms S. Grigoriadou and Ms D. Triga).
- 2015** Collaboration with the ORMYLIA Art Diagnosis Center, for the identification of the wood species and the detection of biodeterioration agents on the wooden support of a byzantine icon from the Bachkovo Monastery, Bulgaria. (Appointed by Dr S. Sotiropoulou).
- 2014** Collaboration with the Directorate of Conservation of Ancient and Modern Monuments, Greek Ministry of Culture, for consultancy on the lifting and conservation of a waterlogged wooden logboat excavated at an ancient cemetery by the 26th Ephorate of Prehistoric and Classical Antiquities, at the Faliron delta. (Appointed by Ms E. Anamaterou and Ms M. Mertzani).
- 2013** Collaboration with the Archaeological Museum of Piraeus, for consultancy and identification of the wood species of a burial find. (Appointed by Dr A. Alexopoulou).
- 2012** Collaboration with the B' Ephorate of Prehistoric and Classical Antiquities of Attica for consultancy on the conservation of wooden waterlogged archaeological finds excavated in 2011 at archaeological site of the temple of Artemis in Brauron. (Appointed by Dr E. Andrikou).

- 2011** Collaboration with the Byzantine Museum of Athens, for the identification of the wood species of a byzantine icon. (Appointed by Ms M. Philippousi)
- 2011** Collaboration with University of Thessaly, Department of Biochemistry and the Greek General State Archives for the identification o prokaryotes that colonize lignocellulosic substrates of Cultural heritage.
- 2010** Collaboration on the project entitled «Nautical archaeology: The Pag wreck, Croatia», under the framework of a bilateral collaboration between France and Croatia and the Institutions of Centre Camille Jullian, HRZ (Croatian Conservation Institute) and University of Zadar, implemented for the protection of the Underwater Cultural Heritage of Zadar. The collaboration resulted in a technical report entitled “The Preservation State of Waterlogged Wood from a Late Roman Shipwreck at Pag island, Croatia”. (Appointed by Dr. G. Boetto).
- 2008** Collaboration with the «Hermann Ottó Museum (HOM)» in Hungary for the study of 7 million year old wood (Miocene era) of the genus Taxodium, found at an open mine in Bükkábrány in 2007. The project was entitled «Waterlogged and semi-fossilised wood of Cenozoic Era: Differences on chemical composition, physical properties and conservation approaches». (Appointed by János Veres).
- 2008** Collaboration for species identification of wooden construction elements of a Byzantine mansion in the Plaka area of Athens, Greece. (Appointed by Eleftheria Tsakanika, Technical University of Athens).
- 2008** Collaboration for species identification of paleontological wooden samples. (Appointed by Evangellos Velitzelos, University of Athens)
- 2002-9** Collaboration for first aid and remedial conservation treatments of waterlogged archaeological wood found at the excavation of the Dispilio prehistoric lakeside dwellings, conducted by the Aristotle University of Thessaloniki. (Appointed by George Hourmouziadis, Aristotle University of Thessaloniki).
- 2002** Collaboration for first aid of waterlogged carbonised wood found at the excavation of the H' Ephorate of Prehistoric and Classical Antiquities in Corfu (Prisons Hill), (Appointed by Georges Riginos)
- 2001** Collaboration for the first aid of waterlogged archaeological wood found at the excavation of the H' Ephorate of Prehistoric and Classical Antiquities in Igoumenitsa (Courthouse). (Appointed by Georges Riginos)
- 2000** Collaboration for the design of a wet and dry conservation lab for the Ephorate of Underwater Antiquities. (Appointed by K. Delaporta).

3 PUBLISHED AND PRESENTED WORK

3.1 BOOKS

- 2020** Pournou A. (2020) *Biodeterioration of Wooden Cultural Heritage: Organisms and Decay Mechanisms in Aquatic and Terrestrial Ecosystems*, Springer, 538pp, ISBN 978-3-030-46503-2.
- 2018** Doganis E. Leconte S. and Pournou A. (2018) Assessing the impact of conservation materials on the acoustic properties of woodwind musical instruments, In: *Wooden Musical Instruments: Different Forms of Knowledge*, 99-117, ISBN 979-10-94642-35-1.
- 2017** Bardet M. and Pournou A. (2017), Chapter Two - NMR Studies of Fossilized Wood, *Annual Reports on NMR Spectroscopy*, Annual Reports on NMR Spectroscopy, **90**: 41-83.
- 2010** Sperantza Ch. and Pournou A. (2010), Preventive conservation of an Egyptian canopic cyst In: *The science of preventive conservation: Preservation and management of collections and cultural heritage goods*, TIME HERITAGE Edition, Athens. 147-158, ISBN: 978-960-89869-2-3.
- 2003** Collins, K., Gardiner G., McConnachie G., Mallison J., Mouzouras R., Pitman, A.J. , Pointing S. and Pournou A. (2003), *For Future generations: Conservation of a Tudor Maritime Collection*, The archaeology of the Mary Rose Volume 5, (Ed. M. Jones), Mary Rose trust Ltd, 145pp. ISBN: 978-1785701559 ([data contribution](#))

3.2 PEER-REVIEWED PUBLICATIONS

- 2018** Karakasidou, K., Nikolouli, K., Amoutzias, G. D., Pournou, A., Manassis, C., Tsiamis, G., & Mossialos, D. (2018), Microbial diversity in biodeteriorated Greek historical documents dating back to the 19th and 20th century: A case study, *Microbiology Open*, e00596, pp 1-11.
- 2018** Pournou A. (2018), Assessing the long-term efficacy of geotextiles in preserving archaeological wooden shipwrecks in the marine environment, *Journal of Maritime Archaeology*, **13**(1):1–14.
- 2018** Petrou, M., and Pournou A. (2018), Testing the efficiency of a fruit penetrometer to assess the condition of small waterlogged wooden artefacts, *In: Proceedings of the 13th ICOM-CC Group on Wet Organic Archaeological Materials Conference*, Florence 2016, (Eds Williams E. and Hocker E.), 47-53.

- 2018 Vlata M., Zachou I. and Pournou A. (2018), The use of natural and synthetic coatings as post treatment on freeze-dried archaeological wood: a preliminary study, *In: Proceedings of the 13th ICOM-CC Group on Wet Organic Archaeological Materials Conference*, Florence 2016, (Eds Williams E. and Hocker E.), 406-411.
- 2018 Argyropoulos V., Boyatzis S., Giannoulaki M. , Malea E. , Pournou A. , Rapti S. and Guilminot E. (2018), Preliminary investigation of L-cysteine as a corrosion inhibitor for marine composite artefacts containing copper or iron alloys, *In: Proceedings of the 13th ICOM-CC Group on Wet Organic Archaeological Materials Conference*, Florence 2016, (Eds Williams E. and Hocker E.), 282-291.
- 2018 Argyropoulos, V., Koumparou, N., Bei, A., Giannoulaki, M., Malea A., Rapti S., Pournou A., Boyatzis., S.C., Tsompanidis A. (2018), " Tackling the difficulties in the conservation treatment and stabilization of marine composite medieval swords" *In: Proceedings of the 13th ICOM-CC Group on Wet Organic Archaeological Materials Conference*, Florence 2016, (Eds Williams E. and Hocker E.), 270-281.
- 2017 Platanianaki A., Tsetsekou E., Pournou. A. (2017), A comparative study on adhesives used in wooden musical instruments conservation, In: *Proceedings of the 4th WoodMusICK conference, COST Action FP1302 - Preservation o Wooden Musical Instruments Ethics, Practice and Assessment*, 5-7th of October 2017, Musical Instruments Museum Brussels (Belgium), 183-186.
- 2017 Sperantza Ch., Pournou A. (2017), Conservation of a portable wooden pump organ, *In 4th WoodMusICK conference, COST Action FP1302 - Preservation o Wooden Musical Instruments Ethics, Practice and Assessment*, 5-7th of October 2017, Musical Instruments Museum Brussels (Belgium), 133-136.
- 2017 Rapti S., Boyatzis S., Rivers S., Velios A., Pournou A. (2017), Removing iron stains from wood and textile objects: assessing gelled siderophores as novel green chelators, *In: Gels in conservation of Art*, (Eds Angelova L. V., Ormsby B., Townsend J. H., Wolbers R.) Archetype Publications Ltd, 343-348.
- 2016 Nikolouli K., Mc Connachie G., Pournou A., Tsiamis G., Mossialos D. (2016), Prokaryotic diversity in biodeteriorated wood coming from the Bükkábrány fossil forest, *International Biodeterioration and Biodegradation*, **108**:181–190.
- 2016 Doganis E., Leconte S., Pournou A. (2016), Using acoustic impedance to propose the best restoration material for woodwind instruments, In: *Proceedings of the 3rd WoodMusICK Conference, COST Action FP1302 - Making wooden musical instruments: an integration of different forms of knowledge*, Barcelona, 61-65.
- 2016 Sperantza Ch., Pournou A. (2016), Documenting the construction technology of a portable wooden pump organ, In: *Proceedings of the 3rd WoodMusICK Conference, COST Action FP1302 - Making wooden musical instruments: an integration of different forms of knowledge*, Barcelona, 67-74.

- 2016** Pournou A. (2016), The MERMAID project: 'Saving wooden shipwrecks in the Mediterranean marine ecosystem: research, development and application of innovative methods of in situ protection', *In : Proceedings of the 12th ICOM-CC Group on Wet Organic Archaeological Materials Conference* in Istanbul, Turkey 2013, (Eds Grant T. and Cook C.), 7-14.
- 2016** Nikolouli K., Mc Connachie G., Pournou A., Tsiamis G., Mossialos D. (2016), Prokaryotic diversity in biodeteriorated wood coming from the Bükkábrány fossil forest, *International Biodeterioration and Biodegradation*, **108**: 181–190
- 2016** Pournou A. (2016), The MERMAID project: 'Saving wooden shipwrecks in the Mediterranean marine ecosystem: research, development and application of innovative methods of in situ protection'. *In : Proceedings of the 12th ICOM-CC Group on Wet Organic Archaeological Materials Conference* in Istanbul, Turkey 2013, (Eds. T. Grant and C Cook), 7-14.
- 2016** Malea E., Petrou M., Rapti S., Pournou A. (2016), Managing marine archaeological organic materials in the field, *In : Proceedings of the 12th ICOM-CC Group on Wet Organic Archaeological Materials Conference* in Istanbul, Turkey 2013, (Eds. T. Grant and C Cook), 36-46.
- 2015** Bardet M and Pournou A. (2015), Fossil wood from the Miocene and Oligocene epoch: chemistry and morphology, *Magnetic Resonance in Chemistry*, **53**: 9–14.
- 2014** Panagiaris G., Malea E., Rapti S. and Pournou A., (2014), Enhancing Education in Conservation through Research and Innovation Projects, *CeROArt* , Teaching Conservation-Restoration, European Network for Conservation-Restoration Symposium 26th March 2014 (Ed. W. Baatz),
- 2013** Anagnostopoulou V. and Pournou A (2013), Correlating visual grading with NTD methods for assessing timber condition in historic buildings, *Advanced Materials Research*, **778** : 273-280.
- 2013** Amendas, G. McConnachie G. and Pournou A. (2013), Selective reburial: a potential approach for the in situ preservation of waterlogged archaeological wood in wetland excavations, *Journal of Archaeological Sciences*, **40** (1): 99-108.
- 2012** Petrou M., McConnachie G. and Pournou A. (2012), Waterlogged wood from the Miocene forest of Bükkábrány: A preliminary investigation of material morphology and chemistry, *In : Proceedings of the 11th ICOM-CC Group on Wet Organic Archaeological Materials Conference* in Greenville USA 2010, (Eds. E. Williams and K. Straetkvern), 137-146.
- 2010** Triantafyllou, M., Papachristodoulou, P. and Pournou, A. (2010), Wet Charred Wood: A Preliminary Study of the Material and its Conservation Treatments, *Journal of Archaeological Sciences*, **37** (9): 2277-2283

- 2009** Pournou A., and Bogomolova E. (2009), Fungal colonization on excavated prehistoric wood: implications for its in situ display, *International Biodeterioration and Biodegradation*, **63** (4): 371-378
- 2008** Aligizaki, M., Melessanaki K. and Pournou A. (2008), The use of lasers for the removal of shellac from wood, *e-Preservation Science*, **5** : 36-40.
- 2008** Pournou, A., (2008), Deterioration assessment of waterlogged archaeological lignocellulosic material via ¹³C CP/MAS NMR, *Archaeometry*, **50** (1): 129–141.
- 2006** Alexopoulou A., Argyropoulos V., Avaritsiotis Th., Charalambous D., Ioakeimoglou E., Lambropoulos V., Panagiaris G.*, Pournou A., Theoulakis P., Tsilaga E., (2006), National research activities at the Department of Conservation of Antiquities and Works of Art (TEI-A.), In : *Proceedings of the 7th European Conference SAUVEUR SAFEGUARDED CULTURAL HERITAGE*, for the Conservation, Protection and Management of Cultural Heritage”, Understanding and Viability for the Enlarged Europe, 31 May-3 June 2006, Prague, Czech Republic, Vol.2, pp. 1130-1133.
- 2004** Kyranoudi M. and Pournou, A. (2004), A study on the degradation degree of waterlogged archaeological olive stones and recommended conservation treatments, *The Conservator*, **28** : 47-54.
- 2003** Pournou A (2003), The preservation of wooden shipwrecks in Greece, In: *Proceedings of the 7th Forum for the debate on the Mediterranean Maritime Heritage: Mediterranean Sea Routes*, Athens, Greek Naval Museum and Oinousses Naval Museum, 237-251, (in Greek).
- 2002** Pournou, A. (2002), A comparative study of conservation methods for waterlogged hazelnuts, In : *Proceedings of the 8th ICOM Group on Wet Organic Archaeological Materials Conference*, Stockholm 2001, ICOM, 493-499.
- 2001** Pournou, A., Jones, A. M., Moss, S. T. (2001), Biodeterioration dynamics of marine wreck sites determine the need for their in situ protection, *International Journal of Nautical Archaeology*, **30**:(2) 299-305.
- 1999** Pournou, A., Jones, A. M., Moss, S. T. (1999), Monitoring of the environment of the Zakynthos wreck site, In : *Proceedings of the 6th International Conference on Non-Destructive Testing and Microanalysis for the Diagnostics and Conservation of the Cultural and Environmental Heritage*, Rome 1999, AIPnD and ICR, 2001-2018.
- 1999** Pournou, A., Jones, A. M., Moss, S. T. (1999), In situ protection of the Zakynthos wreck, In : *Proceedings of the 7th ICOM Group on Wet Organic Archaeological Materials Conference*, Grenoble 1998, ICOM, 58-64.

- 1999** Pournou, A., Jones, A. M., Moss, S. T. (1999), Preliminary studies on polyalkylene glycols (PAGs) as a pre-treatment to the freeze-drying of waterlogged archaeological wood, In : ***Proceedings of the 7th ICOM Group on Wet Organic Archaeological Materials Conference***, Grenoble 1998, ICOM, 104-109.

3.3 PUBLICATIONS IN GREEK

- 2013** Pournou A. (2013) Standardisation in the field of conservation/restoration of Culture Heritage in Greece, In proceedings of the ***6th Annual meeting of Greek Conservators of Antiquities and Works of Art***.
- 2010** Pournou A. (2010), Biodeterioration of wood in aquatic ecosystems, ***Anaskamma***, volume 4, 61-76

3.4 PRESENTATIONS

- 2020** Mitsi E. and Pournou A. 2020, ***Waterlogged Archaeological Charred Wood: Implications for its Condition Assessment and Future Conservation***, 6th Symposium ARCH-RNT, Archaeological Research and New Technologies, 8-9 October, Kalamata, 2020.
- 2019** Barda E. and Pournou A. 2019, ***From the sea bottom to the surface: Assessing underwater techniques for lifting waterlogged archaeological wooden objects***, 14th ICOM-CC Group on Wet Organic Archaeological Materials Conference, Portsmouth, 2019.
- 2019** Mitsi E. and Pournou A. 2019, ***Conserving a charred medieval shipwreck: A preliminary study***, 14th ICOM-CC Group on Wet Organic Archaeological Materials Conference, Portsmouth, 2019.
- 2018** Tsetsekou E., Platanianaki A. and Pournou A. 2018, ***Assessing wood adhesives used in conservation via shear by compression loading***, 1st International Conference of the Greek Society of Experimental Mechanics of Materials, May 2018, National Technical University of Athens (NTUA), Zografou Campus Athens, Greece.
- 2018** Aganniti M., Tsape K., Mamaloukou E., Kreouzi E., Pseftogianni R., Baziaka A., Pournou A. 2018, ***Identifying the botanical species of wooden Cultural Heritage: Ethical and practical issues***, 11th Annual meeting of Greek Conservators of Antiquities and Works of Art, 30 November 2018, Oscar Hotel, Athens.
- 2017** Mitsi E. and Pournou A. 2017, ***Conserving waterlogged medieval wooden artefacts with freeze drying***, 10th Annual meeting of Greek Conservators of Antiquities and Works of Art, December 8, 2017, Novus City Hotel, Athens.

- 2017** Rapti S., Boyatzis S., Rivers S., Velios A., Pournou A. 2017, *Removing iron stains from wood and textile objects: assessing gelled siderophores as novel green chelators*, Gels in conservation Conference, 16-18 October 2017, organised by IAP in association with Tate Gallery, The Emmanuel Centre, London.
- 2016** Petrou M., and Pournou A., 2016. *«Testing the efficiency of a fruit penetrometer to assess the condition of small waterlogged wooden artefacts»*. In the 13th ICOM-CC Group on Wet Organic Archaeological Materials Conference, Florence, 2016.
- 2016** Argyropoulos V., Koumparou N., Bei A., Giannoulaki M., Malea A., Rapti S., Pournou A., Boyatzis S.C, Tsompanidis A., 2016. *«Tackling the difficulties in the conservation treatment and stabilization of marine composite medieval swords»*. In the 13th ICOM-CC Group on Wet Organic Archaeological Materials Conference, Florence, 2016.
- 2015** Stefanis, A. and Pournou A., 2015. *«Testing composites for the in situ protection of wooden shipwrecks»*. In Science in TEchnology. National Hellenic Research Foundation, Athens Greece: TEI of Athens, 2015.
- 2015** Rapti S., Philipopoulos A., Pournou A., 2015. *«The removal of iron corrosion products from composite ethnographic materials»*. Conference organized by the Hellenic Ministry of Culture, Education and Religious Affairs–Directorate of Conservation of Ancient and Modern Monuments and TEI of Athens, Department of Conservation of Antiquities and Works of Art on "Conservation of cultural heritage: challenges and reviews", 25-29th May 2015, Technopolis' Amphitheatre.
- 2015** Nikolouli K., Pournou A., McConnachie G., Tsiamis G., Mossialos D., 2015, *«Prokaryotic diversity in biodeteriorated wood coming from the fossil forest Bükkábrány (Hungary)»*. In the 6th MikroBiokosmos (MBK) Conference, National Hellenic Research Foundation, April 3-5, 2015, Greece.
- 2014** Pournou A., 2014. *«Research on historical and archaeological wood conservation»*. Day conference organized by TEI of Athens Research and Education Committee entitled "Research at the TEI of Athens", 11th of June 2014, Conference Hall, TEI of Athens, (in Greek).
- 2013** Pournou A., 2013. *«Standardization in the field of conservation/restoration of Cultural Heritage»*. Annual day conference organized by the Greek Union of Conservators of Antiquities and Works of Art (PESA), 7th December 2013, Amphitheater of Acropolis Museum, Athens (in Greek).
- 2013** Pournou A., 2013. *«The Chemistry in Conservation of Cultural Heritage»*. Invited speaker in the annual educational seminars of the Department of Chemistry of the National and Kapodistrian University of Athens, 13th of June, Chemistry Bldg. University campus, Athens (in Greek).

- 2013** Pournou A., 2013. *«The MERMAID project: 'Saving wooden shipwrecks in the Mediterranean marine ecosystem: research, development and application of innovative methods of in situ protection»*. 12th ICOM-CC Group on Wet Organic Archaeological Materials Conference, 13-17 May, Istanbul University, Turkey.
- 2013** Malea E., Petrou M., Rapti S., Pournou A., 2013. *«Managing marine archaeological organic materials in the field»*. 12th ICOM-CC Group on Wet Organic Archaeological Materials Conference, 13-17 May, Istanbul University, Turkey.
- 2012** Pournou A., 2012. *«In-situ protection and conservation of wooden shipwrecks in Greece*, Series of Lectures organized by the Society of Friends of the National Archaeological Museum, 10th of December, Amphitheater of the National Archaeological Museum of Athens.
- 2011** Sperantza Ch. and Pournou A., 2011. *«Study for assessing and managing risk of the stored wooden artifacts of the Folk Art Museum»*. 8th National Scientific Congress of Chemical Engineering Thessaloniki, 26-28th of May 2011 Congress Hall, "Nikolaos Germanos" (HELEXPO).
- 2011** Pournou A., 2011. *«In situ protection of shipwrecks: Experience from the Mediterranean»*. Invited speaker at the final seminar of the European project WreckProtect (2009-2011), «Strategies for the protection of shipwrecks in the Baltic Sea against forthcoming attack by wood degrading marine borers. A synthesis and information project based on the effects of climatic changes», under the framework of the FP7.
- 2010** Pournou A., 2010. *«Protecting shipwrecks from shipworm: the Greek experience»*. Invited speaker at the seminar of the European project WreckProtect (2009-2011) «Strategies for the protection of shipwrecks in the Baltic Sea against forthcoming attack by wood degrading marine borers. A synthesis and information project based on the effects of climatic changes», under the framework of the FP7.
- 2010** Pournou A., 2010. *«The pathology of waterlogged archaeological wood»*, Invited speaker at the International Symposium entitled: Works of Art & Conservation Science Today", Thessaloniki, Greece.
- 2009** Sperantza Ch., Papadimitriou M. and Pournou, A., 2009. *«Risk management: a case study of the wooden collection held in storage at the folk art museum of Athens»*, International Conference on Wooden Cultural Heritage: Evaluation of Deterioration And Management of Change", Institute of Wood Technology and Wood Biology (HTB) of the Johann Heinrich von Thünen-Institute (vTI), and the University of Hamburg, Dept of Wood Science, Hamburg, 2009,

- 2008** Pournou A., 2008. **«The role of fungi in the deterioration of wooden shipwrecks»**, Workshop entitled "Fungi and Cultural Heritage" Sector of Ecology and Taxonomy, Biology Department, University of Athens, Ilissia.
- 2007** Pournou, A., Bogomolova, E., Panina, L. and Panagiaris, G., 2007. **«Biodeterioration of waterlogged wood from the Neolithic lake settlement of Dispilio, Kastoria»**, 29th Annual Conference on the Greek Biological Science Society (E.E.B.E.), Kavala 2007 presentation No 71.
- 2007** Theodosiou E., Rapti S., Malea A., Pournou A., Karadoni E., Panagiaris G. and Kolisis F., 2007. **«Removal of pollutants from organic substrates by the use of hydrolytic enzymes»**, 29th Annual Conference on the Greek Biological Science Society (E.E.B.E.), Kavala 2007, presentation No 69.
- 2007** Tsiroftis A. and Pournou A., 2007. **«The problem of selecting biocides for the temporary storage of waterlogged archaeological wood»**, 29th Annual Conference on the Greek Biological Science Society (E.E.B.E.), Kavala 2007, presentation No 70.
- 2007** Pournou A., 2007. **«Research on the Development of Acceptable Standards on the field of Conservation / Restoration of Cultural Heritage: Project No 16»**, Workshop held in TEI of Athens 18/12/2007, entitled: «Dissemination of results of Archimedes II: Research in TEIs.
- 2005** Pournou A., 2005. **«In situ protection of the Zakynthos wreck»** Workshop organised by the Ephorate of Underwater Antiquities, Ministry of Culture entitled "Archaeometry, marine biology and Conservation", Ministry of Culture.
- 2002** Pournou A., 2002. **«Biodeterioration and in situ protection of wrecks»**, Workshop of the Greek Society of Archaeometry entitled "Studying organic materials in archaeology and in works of art" National Research Foundation, Athens.
- 2002** Pournou A., 2002. Invited speaker at the educational seminar entitled «Problems, Conservation methods of archaeological materials at the Greek National Research Center of Physical Sciences "Demokritos". Lecture title: **«Archaeological wood: Physicochemical properties, morphology and conservation methods»**.
- 1997** Pournou A., 1997. **«The protection of Greek wreck sites from wood boring organisms»**, "Underwater archaeology" Two-days conference on the conservation of the maritime Heritage, University, of Bournemouth, Bournemouth University.

3.5 POSTERS

- 2017** Platanianaki A., Tsetsekou E., Pournou A., A comparative Study on adhesives used in wooden musical instruments conservation *In: 4th WoodMusICK conference, COST Action FP1302 - Preservation o Wooden Musical Instruments Ethics, Practice and Assessment*, Musical Instruments Museum, 5-7 October, Brussels, 2017.
- 2017** Sperantza Ch., Pournou A., Conservation of a portable wooden pump organ *In: 4th WoodMusICK conference, COST Action FP1302 - Preservation o Wooden Musical Instruments Ethics, Practice and Assessment*, Musical Instruments Museum, 5-7 October, Brussels, 2017.
- 2016** Doganis E., Leconte S., Pournou A., 2016. Using acoustic impedance to propose the best restoration material for woodwind instruments, *In 4th WoodMusICK conference, COST Action FP1302 - Making wooden musical instruments: an integration of different forms of knowledge*, Museu de la Música, 7-9 September 2016, Barcelona.
- 2016** Sperantza Ch., Pournou A., 2016. Documenting the construction technology of a portable wooden pump organ, *In 4th WoodMusICK conference, COST Action FP1302 - Making wooden musical instruments: an integration of different forms of knowledge*, Museu de la Música, 7-9 September 2016., Barcelona.
- 2016** M., Vlata, Zachou I., and Pournou A., 2016. The use of natural and synthetic coatings as post treatment on freeze-dried archaeological wood: a preliminary study *In 13th ICOM-CC Group on Wet Organic Archaeological Materials Conference* 16 - 21 May 2016, Florence.
- 2015** Nikolouli K., Karakasidou K., Manassis C., Pournou, A., Tsiamis G. and Mossialos D., 2015. Microbial diversity in biodeteriorated Greek paper documents dated back to 19th century, *In 6th MikroBiokosmos (MBK) Conference*, National Hellenic Research Foundation, 3-5 .April 2015, Athens.
- 2015** Rapti S., Rivers S. and Pournou A., 2015. Removing iron corrosion products from museum artefacts: Investigating the effectiveness of innovative green chelators. *In Science in TEchnology*. National Hellenic Research Foundation, Athens Greece: TEI of Athens, 2015.
- 2015** Facorellis Y., Pournou A., Richter J., Karantoni E., Vossou C., Androutsopoulos N. and Panagiaris G., 2015. Experimental design of natural and accelerated bone and wood ageing (Project INVENVORG). *In Science in TEchnology*. National Hellenic Research Foundation, Athens Greece: TEI of Athens, 2015.
- 2015** Petrou M., and Pournou A., 2015. The use of penetrometers in assessing the preservation state of waterlogged archaeological wood. *In Conservation of cultural heritage: challenges and reviews*. Conference organized by the Hellenic Ministry of Culture, Education and Religious Affairs–Directorate of

Conservation of Ancient and Modern Monuments and TEI of Athens, Department of Conservation of Antiquities and Works of Art, 25-29th May 2015, Technopolis' Amphitheatre, (in Greek).

- 2014** Doganis E., Koutsouris A., Pournou A., 2014. The impact of restoration on the sound of woodwind musical instruments *In 1st WoodMusIcK conference, COST Action FP1302*, 27-28 February 2014, Paris.
- 2014** Pournou A., Argyropoulos V., Boyiatzis S., Malea K., Rapti S., Kallitsi E. Tsetsekou E. Moraitou A., Platanianaki A., 2014. Chelators used in clinical medicine can lead to the development and implementation of innovative cleaning methods for removing iron corrosion products from museum artefacts. *In Research at the TEI of Athens*. Day conference organized by TEI of Athens Research and Education Committee entitled " ", 11th of June 2014, Conference Hall, TEI of Athens, (in Greek).
- 2013** Σπεράντζα Χ. Πούρνου Α., 2013. Απόσπαση ξύλινου εμπολίου και πόλου κίονα του Παρθενώνα με εφαρμογή κυκλοωδεκανίου, *In 6th Symposium of the Hellenic Society for Archaeometry*, 16 - 18th of May 2013, (in Greek).
- 2012** Pournou A., 2012. Biodeterioration and in situ protection of wooden shipwrecks in the Mediterranean ecosystem: The MERMAID project. *In 4th MikroBiokosmos (MBK) Conference*, 13-15th of December, Agricultural University of Athens. (in Greek).
- 2011** Nikolouli K., Pournou A. and Mossialos D., 2011. Prokaryotic diversity in biodeteriorated wood coming from the paleontological forest Bükkábrány: Preliminary data, *In 4th MikroBiokosmos (MBK) Conference*, 21-23rd of October, University of Ioannina", Greece.
- 2010** Petrou M., and Pournou A., 2010. Using microscopy techniques for studying the pathology of waterlogged palaeontological wood of 7.000.000 years old. *In 2nd Symposium on Archaeological Research and New Technologies (ARCH_RNT)*, Kalamata, Greece, (in Greek).
- 2009** Tsakanika El., Pavlopoulos G., Pournou A., 2009. Non destructive diagnosis of the preservation state of timber structural elements: A case study of a post-byzantine mansion in Athens, Greece. *In International Conference on Wooden Cultural Heritage: Evaluation of Deterioration And Management of Change*", Institute of Wood Technology and Wood Biology (HTB), and the University of Hamburg, Department of Wood Science, Hamburg, Germany, 2009
- 2009** Aligizaki M., Pournou A., Melessanaki K., 2009. Laser cleaning of aged shellac from wood, *In TECHNART 2009*, Non-destructive and Microanalytical Techniques in Art and Cultural Heritage, Athens, 27 - 30 April 2009, National Hellenic Research Foundation.

- 2008** Pournou A. and Panagiariis G. 2008, Biosciences and Cultural heritage, *In 1st MikroBiokosmos (MBK) Conference*, Institute of Biology, National Center for Scientific Research “Demokritos”, Athens Greece.
- 2007** Amendas, G. and Pournou, A., 2007. Selective reburial in the approach to In situ preservation, presented at the *In 10th ICOM Group on Wet Organic Archaeological Materials Conference*, Amsterdam 2007, ICOM.
- 2007** Aligizaki M., Pournou A., Doulgeridis M., Melessanaki K., Fotakis C., 2007. Laser cleaning of aged shellac from wood, presented at the *In VII LACONA* (Lasers in the Conservation of Artworks), Conference, Madrid 2007.

3.6 EDUCATIONAL HANDBOOKS

3.6.1 DEPARTMENT OF CONSERVATION OF ANTIQUITIES AND WORKS OF ART, T.E.I. OF ATHENS

- 2007** Pournou A. *«Identification of Broadleaves: Lab handbook»*
 Pournou A. *«Identification of Conifers: Lab handbook»*
- 2006** Pournou A. *«Conservation of wooden artefacts: Part III»*
- 2005** Pournou A. *«Conservation of organic materials of plant origin»*
- 2004** Pournou A. *«Conservation of wooden artefacts: Part I»*

4 TEACHING EXPERIENCE

4.1 POSTGRADUATE STUDIES

- 2004-2020** NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS
 MSc Course on *«Museum Studies»*
- Courses:**
- *Elements of material science (wood)*
 - *Materials' technology (wood)*
 - *Biodeterioration (wood)*
- 2008 - 2020** ARISTOTLE UNIVERSITY OF THESSALONIKI
 MSc Course on *«Protection, Conservation and Restoration of Cultural Monuments»* Direction B.
- Course:**
- *Conservation of wood*

2016 UNIVERSITY OF THE AEGEAN
MSc Course on «*Applied Archaeological Sciences*»

Course:
■ *In situ preservation of waterlogged organic materials*

2018-2020 UNIVERSITY OF WEST ATTICA
MSc Course on " Conservation of Cultural Heritage "

Course:
■ *Special issues on the pathology and decay of organic materials of Cultural Heritage*

4.2 UNDERGRADUATE STUDIES

2018-2020 DEPARTMENT OF CONSERVATION OF ANTIQUITIES AND
WORKS OF ART, UNIVERSITY OF WEST ATTICA

Courses:
■ *Conservation of wooden artefacts*
■ *Conservation of organic material of plant origin*
■ *Elements of biology and introduction to biodeterioration*

1999 - 2018 DEPARTMENT OF CONSERVATION OF ANTIQUITIES AND
WORKS OF ART, T.E.I. OF ATHENS

Courses:
■ *Conservation of wooden artefacts*
■ *Conservation of organic material of plant origin*
■ *Elements of biology and introduction to biodeterioration*

4.3 SUPERVISION

4.3.1 UNIVERSITY OF LONDON (PhD degree)
2015 -2020 She has co-supervised 1 PhD

4.3.2 NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS (MSc degree)
2005 - 2016 She has supervised 3 final year projects

4.3.3 T.E.I OF ATHENS & UNIVERSITY OF WEST ATTICA (BSc degree)
2003–2020 She has supervised 23 final year projects

4.4.4 UNIVERSITY OF WEST ATTICA (MSc & PhD degree)
2020 She is supervising 1 MSc and 1 PhD project

5 OTHER SCIENTIFIC ACTIVITY

5.1 COMMITTEES

- 2008 to date** Coordinator of the Greek Standardization Technical Committee of ELOT TE /96, entitled “Conservation of Cultural Heritage”, which is mirror committee to TC/346 of CEN.
- 2013 -to 2017** Management Committee member of the European Action COST FP1303, entitled «Wood MUSIK»
- 2011 -2015** Management Committee substitute member of the European Action COST FP1101 entitled «Assessment, Reinforcement and Monitoring of Timber Structures»
- 2007 -2011** Management Committee member and STSM Manager of the European Action COST IE601, entitled «Wood Science for Conservation of Cultural Heritage»

5.2 PEER-REVIEWING

- 2017 - to date** *Nature Scientific reports*
- 2016 - to date** *Mediterranean Archaeology and Archaeometry*
- 2015 - to date** *International Biodeterioration and Biodegradation*
- 2014 - to date** *Journal of Maritime Archaeology*
- 2013 - to date** *International Journal of Nautical Archaeology*
- 2012 - to date** *Journal of Archaeological Sciences*
- 2009 - to date** *Analytical and Bioanalytical Chemistry*