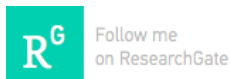




Stamatis C. Boyatzis



Associate Professor, Department of Conservation of Antiquities and Works of Art, University of West Attica

Scientific area: Structure and characterization of materials in Cultural Heritage.

Director of the Graduate Studies Program in the [Conservation of Cultural Heritage](#) (Launching year: 2018)

Curriculum Vitae

updated 2020

In Brief:

Stamatis Boyatzis specializes in the chemistry of materials in art objects and antiquities and the utilization of molecular analytical techniques for investigating their structure and degradation mechanisms.

Since October 2017 he is the Director of the Graduate Studies Program in the Conservation of Cultural Heritage. The first Graduate Academic cycle started in the Spring Semester of Academic Year 2017-2018

His scientific interests lie in the field of molecular spectroscopy (mid-infrared and UV-vis) in the detection of binding media, archaeological remains, GC-MS, LC-MS and direct insertion probe MS in the investigation of structure and the degradation mechanisms of natural and synthetic coatings, binding media, protein materials, polymers. Structural investigation using advanced molecular techniques in collagen, keratin.

Personal information

Marital status: married, one child (girl, 12 y.o.)

Date and place of birth: 29 July 1958, Athens, Greece

Current occupation: Assoc. Professor of the University of West Attica (formerly, the TEI of Athens), Dep. of Conservation of Antiquities and Works of Art.

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Education

First Degree	Degree of Chemistry, Department of Chemistry, University of Athens
Doctoral Degree	<p>Doctoral degree of Chemistry. Awarded by the University of Athens. Research work done in the National Research Center Demokritos with the title "A Comparative Study of the Chemiluminescence of Lophines in Organized Systems". Research work done at the NCSRC "Demokritos" Institute of Physical Chemistry. Excellent honours degree (awarded by the Univ. of Athens, January 1990).</p> <p>Thesis online (in Greek) at the National Documentation Center web site.</p>
Foreign Languages	Fluent in English ("excellent level", Proficiency in English, University of Michigan); French

Teaching and Research History

2017 - today	<p>Associate Professor at the <i>Department of Conservation of Antiquities and Works of Art</i> (University of West Attica; formerly, the TEI of Athens)</p> <p>Teaching duties: Undergraduate level; Graduate Level</p> <p>Research done through the Graduation theses of students.</p>
2011 - 2017	<p>Assistant Professor at the <i>Department of Conservation of Antiquities and Works of Art</i> (TEI of Athens)</p> <p>Active participation in lab research through EU funded Programs coordinated by the Dep. of CAWA: <i>Thalis</i> and <i>Archimedes</i> Research Programmes (see below)</p> <p>Member of the supervision teams for doctoral candidates: Helen-Veronika Farmakalidis (title: Host Institution: School of Chemical Engineering, National Technical University of Athens) and Stavroula Rapti (title: , Host Institution: University of the Arts, London).</p>
Oct. 1995 -2010	Adjunct teaching faculty member at the <i>Department of Conservation of Antiquities and Works of Art</i> (TEI of Athens)
Dec. 2000-2003	Adjunct teaching faculty member at the Assistant/Associate Professor level (407 contract on yearly basis) at the <i>Department of Materials Science</i> , University of Patras (full time basis Nov. 2000 – to August 2002, part time basis (Sept. 2002- today). Participation into establishing syllabus and teaching program in Materials Science and Chemistry of materials

Oct. 1996-Oct. 2000	Collaborating Post-Doctoral Researcher at the NCSRC "Demokritos" <i>Institute of Physical Chemistry</i> . Responsible for the Mass Spectrometry and FTIR Spectroscopy Lab. Teaching of Organic Spectroscopic Techniques at a post-graduate (PhD level)
Jan. 1995-Sept 1996	Research Program collaborator with the TEI of Athens on the study of mechanisms of thermal and photochemical degradation of Paintings Binding Media. Research was done at the NCSRC "Demokritos", <i>Institute of Microelectronics</i> .
1995 - 1996	Research Program collaborator with the NCSRC "Demokritos", <i>Institute of Microelectronics</i> on the study of photoresist chemistry of epoxy-novolac resins.
1987 –1989	Postdoctoral Research on the photochemistry of boron organometallic compounds, at the <i>Department of Chemistry of the University of Illinois</i> (USA) under the supervision of Prof. Gary B. Schuster.
1983-1987	Doctoral Research on the Chemiluminescence of Organic Compounds at the NCSR "Demokritos" <i>Institute of Physical Chemistry</i> under the supervision of Dr. J. Nikokavouras.

Coordination of State/EU-funded Programs

Scientific Coordinator of the State-funded lifelong learning PEGA educational program (2014): "[Advanced Technologies and Materials in the Conservation and Protection of Cultural Heritage](#)"; April-May 2014. MIS467332.

Participation in Research Programs

The Gilliéron Collection at the French School of Athens (2018-2020); Analysis of pigments and painting technique: French School-funded research materialized through an undergraduate and a graduate thesis research work.

Selected recent participations in EU-funded National Research Programs:

Research Programs coordinated by the Dep. of CAWA:

(a) **Thalis** Research Programme (2013-2016): "Investigation of the environmental factors effects on organic materials constituting the natural and cultural heritage (INVENVORG)". Scientific Coordinator Georgios Panagiariis. Research team member. Responsible for analysis of organic materials with mid-infrared spectroscopy. (MIS376986)

(b) **Archimedes III** Research Programme (MIS 379389)

Sub-program: *Novel clinical medicine chelating reagents leading to novel cleaning methods acceptable in the conservation of museum objects*. (2015-2016) Scientific Coordinator: Anastasia Pournou, Assoc. Professor

Sub-program: "*Development of a standard laser technology for cleaning evidence of Cultural and Natural Heritage (LACUNH)*". Scientific Coordinator Georgios Panagiaris, Professor. Main research team member. Responsible for mid-infrared analysis of organic materials. (2013-2016)

Sub-program: *New approaches and application of electrochemical techniques and corrosion inhibitors for in-situ monitoring of shipwrecks and treatment of recovered marine composite artefacts*. Scientific Coordinator Vassilike Argyropoulos, Professor. Main research team member. Responsible for analysis of corrosion products with X-ray diffractometry and mid-infrared spectroscopy. (2013-2016)

Experience in Laboratory Techniques

- Development and application of novel materials for conservation: gels, environmentally friendly materials
- Thin and thick film techniques as model vehicles for the study of the degradation mechanisms of natural and synthetic resins, metal coatings, and binding media of paintings.
- Molecular structure and properties of organic coatings for metal surfaces, organic binding media in works of art, synthetic organic consolidants, studied with the following techniques:
 - Molecular spectroscopic techniques applied on organic materials: FTIR (KBr, Reflection, ATR, Microscopy, Imaging), Mass Spectrometry (EI, CI, electrospray), UV-vis absorption spectroscopy, UV-vis Fluorescence spectroscopy, NMR (1H, 2D, 11B, 13C, 2-D, NOE, variable temperature), EPR.
 - Chromatographic techniques combined with Mass Spectrometry (GC-MS and LC-MS) for the analysis of organic compounds.
 - Thermal characterization of materials (Differential Scanning Calorimetry/DSC, and Thermo-Mechanical Analysis, TMA)
- Mineralogical and elemental analysis of ceramic matrices, metal corrosion products with:
 - X-Ray Diffractometry
 - X-ray fluorescence (qualitative)
- Optical fluorescence microscopy and micro-analysis
- In organic mechanistic studies:
 - Most of the previously mentioned molecular techniques
 - Fast laser kinetics of organic intermediates
 - Synthesis of organic compounds.

Supervision of selected student theses

Undergraduate research done at the Department of CAWA under my supervision:

- Julia Marmoti «A Study of Patriarch Sigillium Parchments at the Central Agency of The National Archives with the use of physico-chemical techniques». (Graduation: 2016)
- Anastasia Katsidima «A study of the interaction between natural tannins and collagen-based protein materials with spectroscopic methods». (Graduation: 2015)
- Kyriaki Koupadi: «A study of organic remains in late-Egyptian archaeological vessels with physico-chemical analytical techniques». (Graduation: 2014)

- Georgia Velivasaki: «Study and Investigation of the degradation state of parchment marked with iron gall inks» (Graduation: 2014) (co-supervised)
- Galatea Kriezi: «Evaluation of commercially available in the Greek market organic metal coatings with spectroscopic techniques». (Graduation: 2012)
- Vassiliki Spachou: «A methodology for the analysis of 20th century pigments: Application on the painting materials in two paintings by Nikos-Hadjikyriakos-Ghikas, owned by the Benaki Museum, in Athens» (Graduation: 2011)

Supervision/consultation of Doctoral candidates

- Helen-Veronika Farmakalidis, "[*Physico-chemical changes of acrylic polymers and additives during their use as consolidants in the conservation of paintings*](#)". Member of the consultation team. Host Institution: National Technical University of Athens (2017). The worked resulted to two publications.
- Stavroula Rapti, "Chelating agents for removing iron corrosion products from dry composite objects of Cultural Heritage" (under completion; member of the supervision team. The worked resulted to one publication (as of 2018).

Publications list (peer-reviewed)

Click here for [citations](#)

#	Year	Title, authors	Impact factor
47	2021	Siderophores and their applications in wood, textile and paper conservation , Stavroula Rapti, Stamatis C. Boyatzis, Shayne Rivers and Anastasia Pournou, Roles of Microorganisms in Heritage Degradation and Preservation, Edith Joseph (Ed.), Springer, Heidelberg (In Press).	
46	2021	Organic green corrosion inhibitors derived from natural/biological sources for conservation of metal cultural heritage , Vasilike Argyropoulos, Stamatis C. Boyatzis, Maria Giannoulaki, Elodie Guilminot, and Aggeliki Zacharopoulou, Roles of Microorganisms in Heritage Degradation and Preservation, Edith Joseph (Ed.), Springer, Heidelberg (In Press).	
45	2020	Optimizing the biomimetic synthesis of hydroxyapatite for the consolidation of bone using diammonium phosphate, simulated body fluid, and gelatin . E Nessler, SC Boyatzis, N Boukos, G Panagiaris, SN Applied Sciences 2 (11), 1-20	
44	2017	The effect of TiO₂ component on the properties of acrylic and urea-aldehyde resins under accelerated ageing conditions , Helen Veronika Farmakalidis, Stamatis Boyatzis, Antonios M Douvas, Ioannis Karatasios, Sophia Sotiropoulou, Panagiotis Argitis, Yannis Chrysoulakis, Vassilis Kilikoglou. Pure and Applied Chemistry 89 (11), 1659-1671	

- 43 2018 **Characterisation and Analysis of Metallic Artefacts from the Pylos Archaeological Museum.** Maria Kylafi, Athanasios Katakos, Stamatis Boyatzis, Eleni Palamara, Nikolaos Zacharias. STAR: Science & Technology of Archaeological Research (YSTA); DOI: 10.1080/20548923.2018.1456742 (in press)
- 42 2018 **Characterisation and Analysis of Metallic Artefacts from the Pylos Archaeological Museum.** Maria Kylafi, Athanasios Katakos, Stamatis Boyatzis, Eleni Palamara, Nikolaos Zacharias. STAR: Science & Technology of Archaeological Research (YSTA); DOI: 10.1080/20548923.2018.1456742 (in press)
- 41 2018 **Linking infrared spectra of laboratory iron gall inks based on traditional recipes with their material components.** Agathi-Anthoula Kaminari, Stamatis C. Boyatzis and Athina Alexopoulou, Applied Spectroscopy, (2018) **72**, 1511–1527. 1.529
- 40 2017 **Testing a potassium polyacrylate aqueous gel for the pretreatment and storage of wet marine iron and organic composite artefacts.** Vasilike Argyropoulos, Ageliki Bei and Stamatis C. Boyatzis, Gels in the Conservation of Art, Archetype Books (December 31, 2017), ISBN-10: 1909492507
- 39 2017 **Removing iron stains from wood and textile objects: assessing gelled siderophores as novel green chelators.** Stavroula Rapti, Stamatis Boyatzis, Shayne Rivers, Athanasios Velios and Anastasia Pournou, Gels in the Conservation of Art, Archetype Books (December 31, 2017), ISBN-10: 1909492507
- 38 2017 **New Approaches in Stabilizing Chloride-Contaminated Ancient Bronzes Using Corrosion Inhibitors and/or Electrochemical Methods to Preserve Information in the Patinas.** Vasilike Argyropoulos, Maria Giannoulaki, Stamatis C. Boyatzis, Aggeliki Zacharopoulou, Giorgios Moraitis and Elodie Guilminot. Artistry in Bronze, The Greeks and Their Legacy; XIXth International Congress on Ancient Bronzes, J. Paul Getty Museum, Getty Conservation Institute, November 2017, 385-398
- 37 2017 **A Scientific Assessment of the Long-Term Protection of Inccralac® Coatings on Ancient Bronze Collections in the National Archaeological Museum and the Epigraphic and Numismatic Museum, in Athens, Greece.** S. C. Boyatzis, Andriana Veve, Galateia Kriezi, Georgia Karamargiou, Elena Kontou and Vasilike Argyropoulos. Artistry in Bronze, The Greeks and Their Legacy; XIXth International Congress on Ancient Bronzes, J. Paul Getty Museum, Getty Conservation Institute, November 2017, 385-398
- 36 2016 **Preliminary investigation of L-cysteine as a corrosion inhibitor for marine composite artefacts containing copper or iron alloys.** V. Argyropoulos, S. C. Boyatzis, M. Giannoulaki, A. Malea, A. Pournou, S. Rapti, A. Zacharopoulou, and Elodie Guilminot, 2016 ICOM-CC Wet Organic Archaeological Materials Working Group Conference in Florence, Italy, 16 - 21 May 2016 (accepted, ICOM-CC book of Proceedings).
- 35 2016 **Tackling the difficulties in the conservation treatment and stabilization of marine composite medieval swords.** V. Argyropoulos, N. Koumparou, A. Bei, M. Giannoulaki, A. Malea, S. Rapti, A. Pournou, S.C. Boyatzis, A. Tsompanidis. 2016 ICOM-CC Wet Organic Archaeological Materials Working Group Conference in Florence, Italy, 16 - 21 May 2016 (accepted, ICOM-CC book of Proceedings).
- 34 2016 **Physico-chemical study of pigments from the prehistoric settlement of Ialysos, Rhodes.** Yorgos Facorellis, Stamatis Boyatzis, Toula Marketou, Eleni Tziamourani and Eleni Ioakimoglou, Proceedings of the 6th Symposium of the Hellenic Society for Archaeometry, Edited by E. Photos-Jones in collaboration with Y. Bassiakos, E. Filippaki,

A. Hein, I. Karatasios, V. Kilikoglou and E. Kouloumpi. *BAR International Series S2780*, 2016. British Archaeological Reports Ltd. (Peer-reviewed Proceedings)

- 33 2016 **A Study of the Deterioration of Aged Parchment Marked with Laboratory Iron Gall Inks Using ATR-FTIR Spectroscopy and Micro Hot Table**, Stamatis C. Boyatzis, Georgia Velivasaki and Ekaterini Malea, *Heritage Science* 2016 4:13, DOI: 10.1186/s40494-016-0083-4 1.63
- 32 2015 **Assessing Environmental Effects on Organic Materials in Cultural Heritage: Chemical Deterioration of Artificially Aged Bone**, S. Boyatzis, E. Ioakimoglou, Y. Facorellis, C. Vossou, M. Sakarellou, E. Panou-Pomoni, E. Fotou, E. Karantoni, A. G. Kalampounias, G. A. Voyiatzis, S. Boghosian, J. Richter, A. Karampotsos, Eleni Tziamourani and George Panagiaris. *Proceedings of the Conference SCience in TEchnology (SCinTE2015)*, Technological Educational Institute of Athens, 2015, 312-316 (Peer-reviewed Proceedings)
- 31 2015 **Preliminary investigation of L-cysteine answer mature tobacco as corrosion inhibitors for marine composite artefacts containing copper or iron alloys**. V, Argyropoulos, S.C. Boyatzis, M. Giannoulaki, A. Malea, A. Pournou, S. Rapti, A. Zacharopoulou, and Elodie Guilminot. *Proceedings of the Conference SCience in Technology (SCinTE2015)*, Technological Educational Institute of Athens, 2015, 328-331 (Peer-reviewed Proceedings)
- 30 2015 **Development of a standard laser technology for cleaning evidence of proteinaceous Cultural and Natural Heritage**, Athanassia Papanikolaou, Kristallia Melessanaki, Alexandra Alexandropoulou, Konstantinos Giannaras, Athanasios Karambotsos, Effrosyni Karantoni, Ekaterini Malea, Stavroula Rapti, Nikolaos-Alexios Stefanis, Yorgos Facorellis, Stamatis Boyatzis, Paraskevi Pouli2 and George Panagiaris. *Proceedings of the Conference SCience in TEchnology (SCinTE2015)*, Technological Educational Institute of Athens, 2015, 317-321 (Peer-reviewed Proceedings)
- 29 2014 **Characterization of organic remains discovered in Copper Alloy vessels of the Benaki Museum collection with Fourier Transform mid-Infrared Spectroscopy**, S. C. Boyatzis, D. Kotzamani, A. Phoca, G. Karydi, M. Zacharia and V. Kantarelou, 3rd Symposium on Archaeological Research and New Technologies (ARCH_RNT), Καλαμάτα, Οκτώβριος 2012 (έκδοση: Καλαμάτα 2014). (Peer-reviewed Proceedings)
- 28 2014 **Αναλυτική μελέτη και συντήρηση δυο πλαστικών κουκλών με συνθετικά υφάσματα**, Μ. Κουτσοδημητροπούλου, Α. Καρατζάνη και Στ. Μπογιατζής, 3rd ARCH_RNT, Archaeological Research and New Technologies, Καλαμάτα, Οκτώβριος 2012 (ARCH_RNT, Kalamata 2014). (Peer-reviewed Proceedings)
- 27 2013 **The role of Standards in Conservation Science Testing for Metals in Cultural Heritage**, V. Argyropoulos, S. Boyatzis, M. Giannoulaki, K. Polikreti, in *Corrosion and Conservation of Cultural Heritage Metallic Artifacts*, EFC Green Book on Corrosion of Cultural Heritage Artifacts; Editors: P. Dillmann, A. Andriens, E. Angelini, D. Watkinson; Woodhead Publishing, ISBN-13: 978 1 78242 154 2, August 2013, 478-517, DOI:10.1533/9781782421573.5.478 (Review article in peer reviewed book).
- 26 2012 **Φυσικο-χημικός Χαρακτηρισμός Θραυσμάτων Ελεφαντόδοντου της Εξωτερικής Επένδυσης ενός Υστερορωμαϊκού Αποθηκευτικού Κιβωτιδίου απο την Ανασκαφή της Αρχαίας Ελεύθερας στην Κρήτη**, Π. Μαρίνου, Γ. Φακορέλλης, Σ. Μπογιατζής και Κ.

- Μαλέα, Αρχαιολογική Έρευνα και Νέες Τεχνολογίες, Διεθνές Συμπόσιο, Καλαμάτα 21-23 Οκτώβρη 2010 (ARCH RNT, Kalamata 2012). (Peer-reviewed Post Prints)
- 25 2012 **Selective Removal of a Synthetic Soiling Mixture From Mastic, Shellac & Laropal® K80 Coatings Using Hydrogels**, P. Galatis, **S. Boyatzis**, C. Theodorakopoulos, *e-PS*, 2012, 9, 72-83
- 24 2012 **Characterization of a Water-Dispersible Metal Protective Coating with Fourier Transform Infrared Spectroscopy, Modulated Differential Scanning Calorimetry, and Ellipsometry**, **Boyatzis, Stamatis C.**; Douvas, Antonios M.; Argyropoulos, Vassiliki; Siatou, Amalia; Vlachopoulou, Marilena, *Applied Spectroscopy*, Volume 66, Issue 5, Pages 132A-144A and 475-608 (May 2012), pp. 580-590(11); <http://dx.doi.org/10.1366/11-06371> 2,014
- 23 2011 Second Derivative and Peak Fitting in FTIR Analysis of Leather Protein: Investigation of Changes in Tanned Leather after Cleaning, **Stamatis C. Boyatzis, Ekaterini Malea and Marina Kehagia**, *Works of Art and Conservation Science Today, International Symposium, November 26-28, 2010, Thessaloniki, Greece (Thessaloniki, 2011, abstracts on CDROM)*. (Peer-reviewed Proceedings)
- 22 2011 Painting Technique and state of conservation of wall paintings in Aghios Dimitrios church at Klimatia, Ioannina-Greece, **Yorgos Facorellis, Eleni Ioakimoglou, Agni Terlixi, Stamatis Boyatzis, Eleni Tziamourani and Georgios Pavlopoulos**, *Works of Art and Conservation Science Today, International Symposium, November 26-28, 2011, Thessaloniki, Greece (abstracts on CDROM)*. (Peer-reviewed Proceedings) (Peer-reviewed Proceedings)
- 21 2010 Cleaning of Tanned Leather: Testing with Infra Red Spectroscopy and SEM-EDAX, **K. Malea, S. C. Boyatzis and M. Kehagia**, "Multidisciplinary Conservation: A Holistic View for Historic Interiors", *ICOM-CC Joint Interim Meeting, Rome, 23-25 March 2010*. (Peer-reviewed Proceedings)
- 20 2010 Preliminary Investigation for the Conservation Plan of a Marine Composite (Copper/Textile) from the 19th Century Shipwreck 'Patris' in Greece, **Stavroula Rapti *, Christina Margariti, Stavroula Golfomitsou, Stamatis Boyatzis, Panayota Pitsiri, Vasilike Argyropoulos**, *Waterlogged Organic Archaeological Materials Conference (ICOM-CC WOAM), Greenville NC, USA, May 24-29, 2010*. (Peer-reviewed Proceedings)
- 19 2007 **Spectroscopic investigations on the depth-dependent degradation gradients of aged triterpenoid varnishes**; Charis Theodorakopoulos, Vassilis Zafiropulos, Jaap. J. Boon and **Stamatis C. Boyatzis**; *Appl. Spectroscopy*, 61 (10), 2007, 1045-1051 2,014
- 18 2004 **Evaluation of poly(hydroxyethyl methacrylate) imaging chemistries for micropatterning applications**; M. Vasilopoulou, **S. Boyatzis**, I. Raptis, D. Dimotikalli and P. Argitis; *J. Mater. Chem.* 2004, 14, 3312 – 3320 6,629
- 17 2002 **Highly Efficient Bicolor (Green-Blue) Fluorescence Imaging in Polymeric Films**; G. Pistolis, **S. Boyatzis** and P. Argitis; *Chemistry of Materials*, 2002, 14, 790-796 8,535
- 16 2002 **UV Exposure and Temperature Effects on the Curing Mechanisms in Linseed Oil Thin Films: Spectroscopic and Chromatographic Studies**; **S. Boyatzis**, E. Ioakimoglou and P. Argitis; *J. Appl. Polym. Sci.*, 84 (5), 2 May 2002, 936-949 1,400
- 15 2001 **Photo-, radio- and sonostorage chemiluminescence of buckminsterfullerene C₆₀**; K. Papadopoulos, T. Triantis, **S. Boyatzis**, D. Dimotikali, J. Nikokavouras ; *Journal of Photochemistry and Photobiology A: Chemistry*, 5816 (2001), 1–5 2,291

- 14 2001 **Laser Ablation of aged resin layers: A means of uncovering the scalar degree of aging;** Vassilis Zafiropoulos, Alexandra Manousaki, Agathi Kaminari, **Stamatis Boyatzis**; *ROMOPTO 2000: Sixth Conference on Optics, V. I. Vlad, ed., SPIE Vol. 4430*; SPIE – The International Society for Optical Engineering, Washington, 2001. (Peer reviewed book chapter).
- 13 2000 **Photocatalytic Mineralization of Chlorinated Organic Pollutants in Water by Polyoxometalates. Determination of Intermediates and Final Degradation Products;** A. Hiskia, A. Androulaki, A. Mylonas, **S. Boyatzis**, D. Dimotikali C. Minero, E. Pelizzetti and E. Papakonstantinou; *Res. Chem. Intermed.*, 2000, 26 (3), 235-251 1,540
- 12 2000 **Laser Ablation of Artificially Aged Dammar Layers of Controlled Thickness: Spectroscopic studies on the degree of aging;** S. Boyatzis, A. Kaminari, A. Manousaki and V. Zafiropoulos; *Polymer Preprints, ACS, August 2000 (on-line edition <http://www.polyacs.org/502.html>)*. (Peer-reviewed Proceedings)
- 11 2000 **UV-laser ablation of polymerised resin layers and possible oxidation processes in oil-based painting media;** V. Zafiropoulos, A. Galyfianaki, **S. Boyatzis**, A. Fostiridou, E. Ioakimoglou; *Optics and Lasers in Biomedicine and Culture – Series of the International Society on Optics Within Life Sciences - Vol. V*, Series Ed. G. von Bally, Springer-Verlag, Berlin, 2000, pp. 115-122. (Peer reviewed book chapter)
- 10 1999 **Preparation, Crystal Structure and Solution Studies of [Mn₂L₂Cl₄(H₂O)], L=2-(2'-pyridyl)-quinoxaline;** Achilleas Garoufis, Spyridoula Kasselouri, **Stamatis Boyatzis**, Katherine P. Raptopoulou, Aris Terzis; *Polyhedron* 1999, 18 (11), 1615-1620 2,047
- 9 1999 **A Thin Film Study of the Oxidation of Linseed Oil in the Presence of Selected Copper Pigments;** Ioakimoglou E., **Boyatzis S.**, Fostiridou A., Papapanagioutou K., Yannovits N. and Argitis P.; *Chemistry of Materials* 1999, 11, 2013-2022 8,535
- 8 1998 **A Study on Oxometal SNS/S Mixed Ligand Complex Stability versus Glutathione Substitution;** B. Nock, T. Maina, M. Papadopoulos, I. Pirmettis, **S. Boyatzis** and E. Chiotellis; *5th International Symposium on Technetium in Chemistry and Nuclear Medicine*, 6-9 September 1998, Bressanone Bolzano, Italy. (Peer reviewed book chapter)
- 7 1998 **Post-exposure Bake Kinetics in Epoxy Novolac Chemically Amplified Resists;** P. Argitis, **S. Boyatzis**, I. Raptis and M. Hatzakis; *Polymeric Materials for Micro- and Nano-Patterning Science and Technology, Micro- and Nanopatterning Polymers, ACS Symp. Series*, 1998, 706, H. Ito, E. Reichmanis, O. Nalamasu and T. Ueno, Eds. (Peer reviewed book chapter) 0,846
- 6 1997 **Post-exposure Bake Kinetics in Epoxy Novolac Chemically Amplified Resists;** P. Argitis, **S. Boyatzis**, I. Raptis and M. Hatzakis; *Proc. Am. Chem. Soc. PMSE*, 1997, 77, 471-472. (Peer-reviewed Proceedings)
- 5 1996 **Oxidation of linseed oil medium in paintings in the presence of copper pigments: spectroscopic and chromatographic studies of thin films;** **S. Boyatzis**, E. Ioakimoglou, P. Argitis, A. Fostiridou, and K. Papanagioutou; *Polymer Preprints*, 37(2) August 1996, 188-9 (Peer-reviewed Proceedings)
- 4 1993 **Lophines in Micellar Environments: Spectroscopic Behaviour and Chemiluminescence;** **S. Boyatzis**, J. Nikokavouras; *J. Photochem. Photobiol., A: Photochem.*, 1993, 74, 65-73 2,291

3	1990	Photochemistry of 2,5,7,7-tetraphenyl-7-boratabicyclo [4.1.0] hepta-2,4-diene (a boratanor-caradiene anion). No evidence for diphenylborene anion; S. Boyatzis, J. D. Wilkey, G. B. Schuster; <i>J. Org. Chem.</i> , 1990, 55, 4537- 4544	4,638
2	1988	Chemiluminescence of Lophines in Micellar Media: Irradiation-Induced Regeneration of p-dimethylamino-lophine during the Light Reaction; S. Boyatzis, J. Nikokavouras; <i>J. Photochem. Photobiol., A: Photochem.</i> , 1988, 44, 335-347	2,291
1	1986	Absorption, Fluorescence and Chemiluminescence Spectra of 2,4,5-Triphenylimidazole (Lophine) and 2-(p-Dimethylamino)-4,5-Diphenylimidazole in Micellar Systems, S. Boyatzis, J. Nikokavouras; <i>Mol. Cryst., Liq. Cryst.</i> 1986, 137 , 403-412	0,554

Chapters in Books

2020	Πόσο προστατεύουν οι συνθετικές ρητίνες τα έργα τέχνης; Έρευνα στα συνθετικά βερνίκια εικόνων της Βυζαντινής συλλογής του Μουσείου Μπενάκη. Ελένη Βερόνικα Φαρμακαλίδου, Σταμάτης Μπογιατζής, Αντώνης Δούβας, Γιάννης Καρατάσιος, Σοφία Σωτηροπούλου, Παναγιώτης Αργεΐτης, Γιάννης Χρυσουλάκης, Βασίλης Κυλίκογλου. Μουσείο Μπενάκη (ετήσια περιοδική έκδοση), 2020, In Press.
2016	Physicochemical pigments analysis on Theopetra's Neolithic grinding stones, Y. Facorellis and S. C. Boyatzis, <i>Theopetra Cave, Thessaly, Greece: the Neolithic period</i> , Instap Academic Press, USA, Nina Kyprarissi-Apostolika (Ed.), 2016,
2015	Αφήνοντας τα μόρια να μιλήσουν: Προς μια μοριακή ερμηνεία της πολιτιστικής κληρονομιάς και των δράσεων για τη προστασία της / Letting the molecules speak: molecular interpretation of cultural heritage objects and the actions for their protection, S. C. Boyatzis, <i>Μάχη με τον χρόνο. Η συντήρηση των αρχαιοτήτων στο Μουσείο Βυζαντινού Πολιτισμού</i> , Μουσείο Βυζαντινού Πολιτισμού, Θεσσαλονίκη 2015, σελ. 18-32 (συμμετοχή στην έκδοση κατόπιν πρόσκλησης).

Presentations in Conferences/Meetings/Symposia

2020	Archaeological bone: the biography of an artefact through chemical analysis, Stamatis C Boyatzis. ANTHROPOS 2020, International Convention of Anthropology, Convention Center, Havana, Cuba, March 9-12, 2020.
2019	The science of the blues: Methods of analysis of blue pigments, Stamatis Boyatzis, BLUE, Symposium on the History, Technology and Research of the Colour Blue, Μουσείο Ηρακλειδών, Αθήνα, 9 November 2019
2019	Δυνατότητες και περιορισμοί στη διερεύνηση της τεχνολογίας και των υλικών κατασκευής λάκας αντικειμένου από την Κινέζικη Συλλογή του Μουσείου Μπενάκη. Ε.Β. Φαρμακαλίδου, Σ. Μπογιατζής και Α. Σαμπατάκος. 7 ^ο Συμπόσιο Ελληνικής Αρχαιομετρικής Εταιρείας, 9-11 Οκτωβρίου 2019, Βυζαντινό και Χριστιανικό Μουσείο.
2019	Μελέτη του διάκοσμου του μαρμάρινου κοσμήτη στο Καθολικό της Μονής Δαφνίου. Π. Λουκοπούλου, Σ. Μπογιατζής και Γ. Φακορέλλης, 7 ^ο Συμπόσιο Ελληνικής Αρχαιομετρικής Εταιρείας, 9-11 Οκτωβρίου 2019, Βυζαντινό και Χριστιανικό Μουσείο.

2018	Νέες εφαρμογές της τεχνικής FTIR στην Πολιτιστική Κληρονομιά και αποτελέσματα , Σταμάτης Μπογιατζής, Νέες τεχνολογίες στην ανάδειξη της Πολιτιστικής Κληρονομιάς, Διήμερο Επιστημονικό Forum, 29-30 Σεπτεμβρίου, Πανεπιστήμιο Δυτικής Αττικής.
2018	The use of Scanning Electron Microscopy in samples from Dionysius of Fournas panel paintings. Observations and Results. Thomas Mafredas, Giannis Karatasios, Stamatis Boyatzis, Eleni Kouloumpi. 5th ARCH_RNT, Archaeological Research and New Technologies, October 2018, Kalamata.
2018	X-Ray Diffraction, SEM/EDX and FTIR investigation of red coloured fragments of wall paintings from the victory monument of Augustus in Nicopolis, Greece. Y. Facorellis, S. C. Boyatzis, E. Tziamourani, E. Nessler, K. L. Zachos and M. Karampa. 5th ARCH_RNT, Archaeological Research and New Technologies, October 2018, Kalamata.
2018	Exploring Biomimetic Methods for the synthesis of hydroxyapatite and their potential use for bone conservation. Elisavet Nessler. ENCoRE Conference - 23. May 2018, The Impact of Conservation-Restoration Education on the Development of the Profession". (poster presentation). Work supervised by S C Boyatzis.
2018	Characterization of technology from four (4) panel paintings of hieromonk Dionysius from Fournas, author of "Hermeneia of the painting art" and comparison with his manuscript. Preliminary results. Thomas Mafredas, Stamatis Boyatzis, Nikos Zacharias, Eleni Kouloumpi, ChemCH2018, 5 th International Congress Chemistry for Cultural Heritage. July 3-7, 2018, Bucarest. (poster presentation)
2018	What is biomimetic? An approach towards material-compatible consolidation strategies for bone, Elisavet Nessler, Stamatis C. Boyatzis* Georgios Panagiaris, and Eleni Tziamourani. ChemCH2018, 5 th International Congress Chemistry for Cultural Heritage. July 3-7, 2018, Bucarest. (oral presentation)
2017	Χρήση της φασματοσκοπίας υπεράυθρου στην παρακολούθηση της αποτελεσματικότητας των μεθόδων συντήρησης. Σταμάτης Χ. Μπογιατζής, Ημερίδα Συντήρησης ΑΜΘ 2017, «Διάγνωση: αναλυτικές τεχνικές και συντήρηση της πολιτιστικής κληρονομιάς». Αρχαιολογικό Μουσείο Θεσσαλονίκης, 3 Σεπτεμβρίου 2017. (oral presentation)
2017	Correlating the Effectiveness of Commercial Graffiti Removers with their Analytically Investigated Components. Panayota Pitsiri, Stamatis C. Boyatzis, Nikolaos-Alexis Stefanis and Georgios Batis. 10th International Symposium on the Conservation of Monuments in the Mediterranean Basin, 20-22 September, 2017 (oral presentation)
2017	Structural insights into the interactions of Collagen type I and tannic acid as revealed by FT-IR spectroscopy and molecular dynamics, Lykourgos Chiniadis ¹ , Anastasia Katsidima ¹ , Stamatis C. Boyatzis. Conference of the Hellenic Society for Computational Biology and Bioinformatics (HSCBB17). Hellenic Pasteur Institute, Athens, Greece, 11-13 October 2017
2016	Preliminary investigation of L-cysteine as a corrosion inhibitor for marine composite artefacts containing copper or iron alloys. V, Argyropoulos, S. C. Boyatzis, M. Giannoulaki, A. Malea, A. Pournou, S. Rapti, A. Zacharopoulou, and Elodie Guilminot, 2016 ICOM-CC Wet Organic Archaeological Materials Working Group Conference in Florence, Italy, 16 - 21 May 2016 (accepted)
2016	Tackling the difficulties in the conservation treatment and stabilization of marine composite medieval swords. V. Argyropoulos, N. Koumparou, A. Bei, M. Giannoulaki, A. Malea, S. Rapti, A. Pournou, S.C. Boyatzis, A. Tsompanidis. 2016 ICOM-CC Wet Organic Archaeological Materials Working Group Conference in Florence, Italy, 16 - 21 May 2016.
2016	Combining Solvent-Assisted Microscopy-Ftir With Gas Chromatography-Mass Spectrometry For Investigating Organic Remains In A Collection Of Early Christian Egyptian Vessels. Stamatis C Boyatzis, Kyriaki Koupadi, Maria Roumpou and Nick Kalogeropoulos, 4 th International Congress: Chemistry for Cultural Heritage (CHEMCH2016), Brussels, July 2-8, 2016
2016	Evaluation of Laser Cleaning of Parchment, Wool and Feather with High Performance Liquid Chromatography and Attenuated Total Reflection - Fourier Transform Infrared Spectroscopy, Stamatis C. Boyatzis, Eleni Ioakimoglou, Eleni Tziamourani, Efrosini Karantoni, Ekaterini Malea, Stavroula Rapti, Paraskevi Pouli, Athanassia Papanikolaou, Kristallia Melessanaki and Georgios

	Panagiaris, 2 nd International Conference for Innovation in Art Research and Technology (InArt2016), 21-25 March 2016, Ghent, Belgium.
2016	The effect of TiO₂ on the properties of acrylic, cyclohexanone-based and urea-aldehyde polymers under accelerated ageing conditions. Helen V. Farmakalidis, Antonios M. Douvas, Ioannis Karatasios, Sophia Sotiropoulou, Stamatis Boyatzis, Panagiotis Argitis, Yannis Chryssoulakis, Vassilis Kilikoglou, IUPAC-Sponsored 16 th International Conference on Polymers and Organic Chemistry, Hersonissos (Heraklion) Crete 13-16 June, 2016
2015	New approaches to stabilizing chloride contaminated ancient bronzes using corrosion inhibitors and/or electrochemical methods to preserve information in the patinas. Vasilike Argyropoulos, Maria Giannoulaki, Stamatis C. Boyatzis, Aggeliki Zacharopoulou, Giorgios Moraitis, and Elodie Guilminot. XIX International Conference on Ancient Bronzes, October 13-17, 2015, J. Paul Getty Museum, Los Angeles, US.
2015	A Scientific Assessment of the Long-Term Protection of Incralac Coatings on Ancient Bronze Collections in the National Archaeological Museum and the National Numismatic Museum, in Athens, Greece. Stamatis C. Boyatzis, Andriana Veve, Galateia Kriezi, Elena Kontou, Georgia Karamargiou, and Vasilike Argyropoulos, XIX International Conference on Ancient Bronzes, October 13-17, 2015, J. Paul Getty Museum, Los Angeles, US
2015	Επιλεκτική αφαίρεση σωματιδιακών ρύπων από ρητινούχα επιστρώματα μασίχας, γομμαλάκας και Laropal K80 με υδρογέλες, Π. Γαλάτης, Σ. Μπογιατζής, Χ. Θεοδωρακόπουλος. 1 ^ο Συνέδριο «Η Συντήρηση της Πολιτιστικής Κληρονομιάς, Προκλήσεις και Επαναπροσδιορισμοί», Αθήνα 25-29 Μαΐου 2015.
2015	Ανοίγοντας μία δίοδο επικοινωνίας με το παρελθόν: Χαρακτηρισμός της φθοράς και γήρανσης κραμάτων χαλκού Ύστερης Αρχαιότητας από την Βυζαντινή συλλογή του Μουσείου Μπενάκη, Δ. Κοτζαμάνη, Α. Φωκά, Γ. Καρύδη, Μ. Ζαχαρία, Σ. Μπογιατζής, Ι. Καρατάσιος, Β. Περδικάτσης, 1 ^ο Συνέδριο «Η Συντήρηση της Πολιτιστικής Κληρονομιάς, Προκλήσεις και Επαναπροσδιορισμοί», Αθήνα 25-29 Μαΐου 2015.
2015	Laser Cleaning of Fossilized Bones, Georgios Panagiaris, Nikolaos-Alexios Stefanis, Alexandra Alexandropoulou, Yorgos Facorellis, Stamatios Boyatzis, Kristalia Melessanaki, Paraskevi Pouli. <i>TECHNART 2015, "Non-destructive and microanalytical techniques in art and cultural heritage", Catania April 27-30, 2015.</i>
2015	Investigating the Preservation State of Parchment with Attenuated Total Reflection-Fourier Transform mid-Infrared Spectroscopy and Micro-Thermal Analysis, Stamatis C. Boyatzis, Ekaterini Malea, Georgia Velivasaki and Anastasia Katsidima. <i>TECHNART 2015, "Non-destructive and microanalytical techniques in art and cultural heritage", Catania April 27-30, 2015.</i>
2015	Διερεύνηση των εμπορικών προϊόντων καθαρισμού του αργύρου και εφαρμογή τους σε αντικείμενα της Νεοελληνικής Συλλογής του Μουσείου Μπενάκη, <u>Κ. Καρπαθιωτάκη</u> , Δ. Κοτζαμάνη, Σ. Μπογιατζής, Α. Καραμπότσος. 1 ^ο Συνέδριο «Η Συντήρηση της Πολιτιστικής Κληρονομιάς, Προκλήσεις και Επαναπροσδιορισμοί», Αθήνα 25-29 Μαΐου 2015 <i>Student talk, work supervised by S C Boyatzis</i>
2015	Μελέτη οργανικών υπολειμμάτων σε αρχαιολογικής προέλευσης σκεύη με φυσικοχημικές αναλυτικές τεχνικές, <u>Κ. Κουπάδη</u> , Σ. Μπογιατζής, Δ. Κοτζαμάνη, Μ. Ρούμπου, Ν. Καλογερόπουλος. 1 ^ο Συνέδριο «Η Συντήρηση της Πολιτιστικής Κληρονομιάς, Προκλήσεις και Επαναπροσδιορισμοί», Αθήνα 25-29 Μαΐου 2015. <i>Student talk, work supervised by S C Boyatzis</i>
2015	Μελέτη τεχνολογίας κατασκευής έγχρωμων κονιαμάτων εποχής χαλκού από την Ιαλυσό της Ρόδου, <u>Ν. Ι. Δεδούση</u> , Γ. Φακορέλλης, Σ. Μπογιατζής, Α. Στεφανής, Τ. Μαρκέτου. 1 ^ο Συνέδριο «Η

	<p>Συντήρηση της Πολιτιστικής Κληρονομιάς, Προκλήσεις και Επαναπροσδιορισμοί», Αθήνα 25-29 Μαΐου 2015</p> <p><i>Student talk</i></p>
2016	<p>Study of organic residues in vessels of archaeological origin with physicochemical analytical techniques. Kyriaki Koupadi. CONFERENCE “EDUCATION AND RESEARCH IN CONSERVATION-RESTORATION”, ENCoRE, 13 APRIL 2016</p> <p><i>Student Thesis, ENCoRE under scholarship, work supervised by S C Boyatzis.</i></p>
2014	<p>The Introduction of Open and Free Academic courses in Conservation of Cultural Heritage in Greece. V. Argyropoulos, A. Alexopoulou, M. Chatzidaki, A. Karatzani, S. Boyatzis, E. Ioakeimoglou and I. Founta, CONFERENCE “EDUCATION AND RESEARCH IN CONSERVATION-RESTORATION”, ENCoRE, 13 APRIL 2014</p>
2014	<p>Thin Film Molecular Spectroscopy Methodologies For Investigating Organic Materials In Cultural Heritage Objects, S. C. Boyatzis, 3rd ARCH_RNT, Archaeological Research and New Technologies, Καλαμάτα, Οκτώβριος 2014. Προσκεκλημένη ομιλία.</p>
2014	<p>The Introduction of Open and Free Academic courses in Conservation of Cultural Heritage in Greece; V. Argyropoulos, A. Alexopoulou, M. Chatzidaki, A. Karatzani, S. Boyatzis, E. Ioakeimoglou and I. Founta, ENCoRE Conference “Teaching Conservation-Restoration”, 27-28 March 2014, Liège, Belgium”; Full paper under publication; http://www.encore-edu.org/LiegeConf-Program.htm (in press)</p>
2014	<p>Investigation of the deterioration degree of parchment marked with iron gall inks; Georgia Velivasaki, supervised by E. Malea & S. Boyatzis, ENCoRE Conference 2014 “Teaching Conservation-Restoration”; poster for the student session.</p>
2013	<p>Η μελέτη των φαινομένων τεχνητής γήρανσης πολυμερών που χρησιμοποιούνται για τη συντήρηση των έργων τέχνης. Ε. Β. Φαρμακαλίδου, Α. Δούβας, Γ. Καρατάσιος, Σ. Σωτηροπούλου, Σ. Μπογιατζής, Π. Αργεΐτης, Γ. Χρυσουλάκης, Β. Κυλίκογλου, 6ο Συμπόσιο Ελληνικής Αρχαιομετρικής Εταιρίας (προφ. παρουσίαση), Αθήνα, 16-18 Μαΐου 2013</p>
2012	<p>Αναλυτική μελέτη και συντήρηση δυο πλαστικών κουκλών με συνθετικά υφάσματα, Μ. Κουτσοδημητροπούλου, Α. Καρατζάνη και Στ. Μπογιατζής, 3rd ARCH_RNT, Archaeological Research and New Technologies, Καλαμάτα, Οκτώβριος 2012.</p>
2012	<p>In situ investigation of metal protective coating films with mid-infrared spectroscopy, Stamatis C Boyatzis, Vassilike Argyropoulos, Antonios M Douvas, Galateia Kriezi, Amalia Siatou, 2nd international Congress on Chemistry for Cultural Heritage, July 9-12, 2012, Istanbul, Turkey; www.chemch2012.org</p>
2011	<p>Accelerating Thermal Ageing of Acrylic Copolymers (EMA/MA, nBMA/iBMA) and Cyclohexanone based Polymer Used in Painting Conservation, H.V. Farmakalidis, A. M. Douvas, I. Karatasios, S. Sotiropoulou, S. Boyatzis, P. Argitis, Y. Chrysoulakis, V. Kilikoglou, Canadian Conservation Institute, Symposium, October 2011</p>
2011	<p>The Metallurgical Investigations of Copper-Alloys Metalwork of the Benaki Museum in the 4th-7th Centuries A.D., D. Kotzamani, A. Phoca, G. Karydi, M. Zacharia, V. Kantarelou, G. Karatasios, S. C. Boyatzis, V. Perdikatsis. International Symposium, History, Technology and Conservation of Ancient Metal, Glasses and Enamels -The American School of Classical Studies at Athens (ASCSA), October 2011 (oral presentation, p. 29 in Book of Abstracts, Proceedings in press)</p>

2011	Study, Analysis and Conservation of the Roman water lead pipe in “Aeolus” excavation, Plaka, Athens , P. Pitsiri, D. Sourlas, S. C. Boyatzis, S. Golfomitsou, T. Karabotsos. International Symposium, History, Technology and Conservation of Ancient Metal, Glasses and Enamels -The American School of Classical Studies at Athens (ASCSA), October 2011 (poster, p. 38 in Book of Abstracts, Proceedings in press)
2010	<u>Second Derivative and Peak Fitting in FTIR Analysis of Leather Protein: Investigation of Changes in Tanned Leather after Cleaning</u> , Stamatis C. Boyatzis, Ekaterini Malea and Marina Kehagia, Works of Art and Conservation Science Today, International Symposium, November 26-28, 2010, Thessaloniki, Greece (poster, abstracts on CDROM)
2010	<u>Painting Technique and state of conservation of wall paintings in Aghios Dimitrios church at Klimatia, Ioannina-Greece</u> , Yorgos Facorellis, Eleni Ioakimoglou, Agni Terlix, Stamatis Boyatzis, Eleni Tziamourani and Georgios Pavlopoulos, Works of Art and Conservation Science Today, International Symposium, November 26-28, 2010, Thessaloniki, Greece (oral presentation, abstracts on CDROM)
2010	<u>Φυσικο-χημικός Χαρακτηρισμός Θραυσμάτων Ελεφαντόδοντου της Εξωτερικής Επένδυσης ενός Υστερορωμαϊκού Αποθηκευτικού Κιβωτιδίου απο την Ανασκαφή της Αρχαίας Ελεύθερας στην Κρήτη</u> , Π. Μαρίνου, Γ. Φακορέλλης, Σ. Μπογιατζής και Κ. Μαλέα, Αρχαιολογική Έρευνα και Νέες Τεχνολογίες, Διεθνές Συμπόσιο, Καλαμάτα 21-23 Οκτώβρη 2010 (oral presentation)
2010	<u>Non-invasive investigation of Poligen®ES91009, a water-dispersible organic coating on metals with Reflectance-Absorption Infrared Spectrometry</u> ; S. C. Boyatzis, A. M. Douvas, A. Siatou and V. Argyropoulos, <i>International Conference on Historic Metals Conservation</i> , Interim Meeting of the ICOM-CC Metal Working Group, October 11-15, 2010 - Charleston, South Carolina, USA (poster).
2010	<u>Investigation of the painting technique and identification of pigments in the work of Nikos-Hadjikyriakos-Ghikas</u> , V. Spachou, V. Kantarelou, A. Karydas, V. Paschalis, A. Alexopoulou and S. C. Boyatzis, 2010 Istanbul Congress, Conservation and the Eastern Mediterranean, 20-24 September 2010 (poster)
2010	<u>Cleaning of Tanned Leather: Testing with Infra Red Spectroscopy and SEM-EDAX</u> , K. Malea, S. C. Boyatzis and M. Kehagia, “Multidisciplinary Conservation: A Holistic View for Historic Interiors”, ICOM-CC Joint Interim Meeting, Rome, 23-25 March 2010 (oral presentation)
2010	<u>Developing a comprehensive reference collection for the analysis of excavated textiles</u> , D. Drakou, C. Margariti, S. C. Boyatzis, Y. Facorellis and N. Naoumidou, International Congress on Archaeological Sciences in the Eastern Mediterranean and the Near East, Paphos, Cyprus, 29 April-1 May 2010, ICASEMNE (oral presentation)
2010	<u>Preliminary Investigation for the Conservation Plan of a Marine Composite (Copper/Textile) from the 19th Century Shipwreck ‘Patris’ in Greece</u> , Stavroula Rapti *, Christina Margariti, Stavroula Golfomitsou, Stamatis Boyatzis, Panayota Pitsiri ,Vasilike Argyropoulos, Waterlogged Organic Archaeological Materials Conference (WOAM), Greenville NC,USA, May 24-29, 2010 (oral presentation)
2009	<u>An evaluation of reflectance-absorption infra red spectroscopy for in situ investigation of organic coatings on corroded metals</u> , S. C. Boyatzis, V. Argyropoulos, A. Siatou, K. Polikreti and D. Charalambous, TECHNART 2009, Non-destructive and Microanalytical Techniques in Art and Cultural Heritage, Athens, 27 - 30 April 2009 (poster)

2009	<u>Evaluation of effectiveness of Tanned Leather Cleaning with SEM-EDX and FTIR Spectroscopy</u> , S. C. Boyatzis, M. Kehagia, K. Malea, TECHNART 2009, Non-destructive and Microanalytical Techniques in Art and Cultural Heritage, Athens, 27 - 30 April 2009 (poster)
2009	<u>Painting technique and state of conservation of wall paintings in Saint Nicholas Church at Zagori-Greece</u> , S.C. Boyatzis, A. Terlix, G. Pavlopoulos, A. Karampotsos, E.Tziamourani, N. Minos, and E. Ioakimoglou, TECHNART 2009, Non-destructive and Microanalytical Techniques in Art and Cultural Heritage, Athens, 27 - 30 April 2009 (oral presentation)
2008	The Characterisation of Materials in a Polychrome Wooden Sculpture and the Evaluation of Laser Cleaning Tests ; Stamatis C. Boyatzis, Paraskevi Pouli, Anastasia Giakoumaki, Agnes Terlix, Eleni Tziamourani, Maria Philippoussi, Eugenia Perdikari and Eleni Ioakimoglou; <i>Conservation Science</i> 2007, Politecnico di Milano, Milano, Italy, 10-11 May 2007, Archetype Publications Ltd, (July 2008), Joyce Townsend (editor)
2008	Fourier transform infrared (FTIR) monitoring of the artificial ageing of commercial acrylic and vinyl adhesives/ consolidants . Stamatis C. Boyatzis, Demetrios Charalambous and Eleni Kotoula, <i>Conservation Science</i> 2007, Politecnico di Milano, Milano, Italy, 10-11 May 2007, Archetype Publications Ltd, (July 2008), Joyce Townsend (editor)
2007	<u>Optical Microscopy, Spectroscopic and Chromatographic Techniques for the Characterisation of Materials in a Polychrome Wooden Sculpture Evaluation of Laser Cleaning Tests</u> , Stamatis C. Boyatzis, Paraskevi Pouli, Anastasia Giakoumaki, Agnes Terlix, Eleni Tziamourani, Maria Philippoussi, Eugenia Perdikari and Eleni Ioakimoglou, <i>Characterisation of organic materials (binding media, varnishes, pigments) in paint cross-sections</i> , International Workshop, University of Bologna, Chemistry Department, Bologna, Italy, 20th – 21st September 2007
2007	<u>Η αντιστρεψιμότητα στη χρήση στερεωτικών και συγκολλητικών μέσων σε αρχαιολογικά οστά</u> , Σταμάτης Χ. Μπογιατζής, Ελένη Παναγιωτοπούλου και Γ. Παναγιάρης, 29 ^ο ΕΠΙΣΤΗΜΟΝΙΚΟ ΣΥΝΕΔΡΙΟ Ε.Ε.Β.Ε., Καβάλα 17-19 Μαΐου 2007
2006	Detection and Identification Of Binding Media In Post-Byzantine Wall-Paintings Of The Region Of Epirus Using Spectroscopic And Chromatographic Techniques ; Stamatis C. Boyatzis, Agnes Terlix, Eleni Tziamourani, Giorgos Pavlopoulos and Nikolaos Minos and Eleni Ioakimoglou; Διεθνές Συνέδριο ICOM, <i>Εικόνες: Έρευνα, Συντήρηση και Θέματα Δεοντολογίας (Icons: Approaches to Research, Conservation and Ethical Issues)</i> . 3-7 Δεκεμβρίου 2006
2000	Photonic Properties of a Negative Chemically Amplified Photoresist ; G. Pistolis, S. Boyatzis and P. Argitis; International Conference COST 2000 “Molecular Materials and Functional Polymers for Advanced Devices” – Management Committee Meeting and General Workshop, Patras, Greece, June 22-25, 2000 (poster)
1998	Photocatalytic Mineralization of Dichlorophenols by Polyoxometalates in Aqueous Solutions ; E. Androulaki, A. Hiskia, S. Boyatzis, D. Dimotikali and E. Papakonstantinou; Poster presentation at the International Meeting of Coordination Compounds, July 1998, Chalkidiki, Greece
1998	Use of fs, ps and ns UV-Laser Pulses in the Ablation of Polymerized Natural Resin Layers , A. Galyfianaki; T. Stratoudaki, V. Zafiropoulos, S. Boyatzis, A. Fostiridou, E. Ioakimoglou; <i>International Meeting of Optics Within Life Sciences (OWLS), Saint Pelagia, Crete 13-16 October 1998</i>
1996	Radiation-Induced Cationic Polymerization in Epoxy Novolac Resists: A Reaction Kinetics Study for Optimized Microlithography ; P. Argitis, S. Boyatzis, I. Raptis, N. Glezos, E. Tegou, E. Gogolides

	and M. Hatzakis; International Convention 6th European Polymer Federation Symposium on Polymeric Materials, Aghia Pelagia, Crete, October 7-11 1996 (poster)
1995	Oxidation effect of green copper-based pigments on linseed oil medium of paintings. A comparative study on thin films of controlled thickness; E. Ioakimoglou, N. Yannovits-Arghiadi, K. Papapanagiotou, A. Fostiridou, P. Argitis, and S. Boyatzis ; International Meeting: 'Lasers in the Conservation of Art Objects', Oct. 1995, Aghia Pelagia, Crete (poster).
1986	Χημικωταύγεια του 2,4,5-τριφαιλυμιδαζολίου (λοφίνης) σε ομοιογενή και προσανατολισμένα συστήματα; 11 ^ο Πανελλήνιο Συνέδριο Χημείας, Νοεμβ. 1986; Στ. Μπογιατζής, Ι. Νικοκάβουρας, Chimika Chronika, Special Ed. 1986, A, 45-48 (oral presentation and abstracts in greek)