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Academic Titles

- PhD. Chemistry, Thesis "Use of organic dyes for the coloring of anodized aluminum by electrolytic methods", Laboratory of Industrial Chemistry, Chemistry Department, University of Athens
- BSc Chemistry, Chemistry Department, University of Athens

Research & Professional experience

- Researcher for programs funded by: a) University of Athens and General Motors Corporation (Warren, Michigan, USA), b) University of Thessaloniki
- Scientific Coordinator for the research program "The influence of the surface treatment of aluminum on the physical properties and the printing quality of aluminum oxide films" ("Internal Research Program for the Support of the TEI of Athens Researchers, 2015")
- Collaboration with EUROPA Aluminum Profile SA, Aluminum Industry, Oinofyta Viotias
- Member of Specialized Committees for the Vocational Training Certification of the Organization for Vocational Education and Training (OEEK) and the Qualifications Certification Examination of the National Qualification and Professional Orientation Certification Organization (EOPPEP)
- Member of the Research Committee "Graphic Arts and Optical Communication Technology", Athens University of Applied Sciences, TEI of Athens
- Member of the Scientific Committee of the Conference on Academic Education in the field of Graphic Arts (TEI of Athens, Greece 2014)

Educational experience

- Assistant Professor at Graphic Arts Technology/Graphic Arts Department, Athens University of Applied Sciences, TEI of Athens. She has worked at the Technological Educational Institute (TEI) of Athens and Technological Educational Institute (TEI) of Piraeus, teaching theoretical and laboratory courses related to "Chemistry" and "Technology of Materials" in many specialties. Recent teaching fields: "Chemistry", "Inks & Coatings", "Graphic Art Materials" & "Printing Substrates", "Chemical Technology", "Shipbuilding Technology", "Special Topics in Chemistry"
- Academic Coordinator of Graphic Arts Technology/Graphic Design Department for Erasmus Programs (2012-). Lectures to students of HdM, University of Applied Sciences in Stuttgart Germany (2012), Natural Sciences and Engineering, Textiles, Information and Graphic Arts Technology Department, University of Ljubljana Slovenia (2013), Instituto Politecnico de Tomar, IPT University of Zagreb - Croatia (2015), Leipzig Hochschule fur Technik, Leipzig University of Applied Sciences - Leipzig, Germany (2016), ESCUELA DE ARTE 10 Madrid - Spain (2016), University of Pardubice, Faculty of Chemical Technology, Graphic Arts and Photophysics Department, Czech Republic (2017) in the frame of Erasmus teaching staff exchange programs
- Lectures in the Postgraduate Program: "Chemistry and Materials Technology", Department of Materials Science and Engineering - University of Ioannina (2004-)
- Lectures in the Postgraduate Program "Advanced Technologies in Naval and Naval Engineering" TEI of Athens (2017-)

- Lectures in the Postgraduate Program "New Technologies and Marketing. Intelligent Packaging" TEI of Athens (2017-).
- Notes addressed to higher education students for the theoretical and laboratorial courses "Inks", "Chemistry for Graphic Arts Technology" and "Laboratory Exercises on Chemistry for Graphic Arts Technology", "Graphic Arts Materials", Technological Educational Institute (TEI) of Athens.
- Notes about "Corrosion and anti-corrosion methods for metals. Examples and Applications", for the Postgraduate Program "Chemistry and Materials Technology" University of Ioannina, Greece.
- Presentations in English for the lectures in the frame of Erasmus programs (in electronic form) (2012-2017).
- Presentations for Open Academic Courses of TEI of Athens and the e-class educational system of TEI of Athens (Chemistry in Graphic Arts, Inks and Coatings, Graphic Arts Materials, Printing Substrates)
- Supervision of 25 graduate dissertations

Publications in peer reviewed journals

1. S. Theohari, I. Tsangaraki-Kaplanoglou, «Improvement of DC coloring of anodized aluminum with the use of certain dimethylmethane derivatives», *Plat. & Surf. Fin.*, 86-90, (Sept. 1997)
2. S. Theohari, I. Tsangaraki-Kaplanoglou, «Direct current electrodeposition of tin for the colouration of aluminium oxide films, in the presence of Malachite Green» *Trans. IMF*, 76 (1), 45-50, (1998)
3. S. Theohari, I. Tsangaraki-Kaplanoglou, R. Moshohoritou «The use of the dye CI Acid Blue 45 in the electrolytic colouring of anodised aluminium» *JSDC*, 114, 199-202, (Jul/Aug. 1998)
4. I. Tsangaraki- Kaplanoglou, S. Theohari, Th. Dimogerontakis, Yar-Ming Wang, Hong -Hsiang (Harry) Kuo, Sheila Kia. «Effect of alloy types on the anodizing process of aluminum» *Surf. & Coat. Technology* 200, 2634-2641, (2006)
5. I. Tsangaraki- Kaplanoglou, S. Theohari, Th. Dimogerontakis, N. Kallithrakas-Kontos, Yar-Ming Wang, Hong-Hsiang (Harry) Kuo, Sheila Kia «Effect of alloy types on the electrolytic coloring process of aluminum» *Surf. & Coat. Technology* 200, 3969-3979, (2006)
6. I. Tsangaraki- Kaplanoglou, S. Theohari, Th. Dimogerontakis, N. Kallithrakas– Kontos, Yar-Ming Wang, Hong-Hsiang (Harry) Kuo, Sheila Kia «An investigation of electrolytic coloring process of anodized aluminum coatings» *Surf. & Coat. Technology* 201, 2749-2759, (2006)
7. L. Kompotiatis, S. Theohari, Th. Dimogerontakis and I. Tsangaraki – Kaplanoglou «Investigation of the influence of certain dyes on the cathodic behavior of anodized aluminum using Electrochemical Impedance Spectroscopy (EIS)» *ATB Metallurgie*, Vol. 37, No 2-3-4, 217-220, (1997)
8. I. Tsangaraki – Kaplanoglou, V. Katsoulas, S. Theohari, L. Kompotiatis, «Effect of certain inorganic additives on the anodizing process of aluminium in function with its pretreatment» *ATB Metallurgie*, Vol.45, No 1-4, 446-451, (2006)
9. I. Tsangaraki-Kaplanoglou, A. Kanta, S. Theohari and V. Ninni, «Acid-dyes as corrosion inhibitors for mechanically pretreated aluminum» *Anti-Corrosion Methods and Materials*, Vol. 57, No 1, 6-12 (2010) (Highly Commended Award, Emerald Literati Network Awards for Excellence 2011)
10. P. Gondolias, I. Tsangaraki-Kaplanoglou, S. Theohari*, «An Investigation of the Effect of Nile Blue on the Electrodeposition of Nickel on Brass from a Watts type Bath» *Plating & Surface Finishing*, October, 38-45, 2010
11. S. Theohari* and Ch. Kontogeorgou, «Effect of temperature on the anodizing process of aluminum alloy AA 5052», *App. Surf. Sci.* 284 611-618, 2013
12. Stamatina Theohari*, Isidoros Iakovidis, Athanasios Karampotsos, Ioannis Sianoudis, «Printing on Anodized Aluminium Surface» *Open Journal of Applied Sciences*, 6, 783-795, 2016.

Presentations in Congresses/Symposia/Conferences

1. I. Tsangaraki- Kaplanoglou, S. Theohari, "Methods of enlargement of aluminum coloring", "Special Surface Treatments. Technology and Applications in Greece", Technical Chamber of Greece (TEE) (Athens, Greece 1995)
2. I. Tsangaraki - Kaplanoglou, St. Theohari, R. Moschochoritou, "Enlargement of Colors of anodized aluminum by the use of an organic dye during its electrolytic coloring", Proceedings of 16th PanHellenic Congress of Chemistry, pp. 547-550 (Athens, Greece 1995)
3. L. Kompotiatis, S. Theohari, Th. Dimogerontakis and I. Tsangaraki – Kaplanoglou, "Investigation of the influence of certain dyes on the cathodic behavior of anodized aluminum using electrochemical impedance spectroscopy (EIS)" (poster), Aluminum Surface-Science and Technology Conference ("Elzenveld" Antwerp, Belgium, 1997)
4. I. Tsangaraki- Kaplanoglou, R. Moschochoritou, S. Theohari, "The use of Xanthene Colors Matters on Aluminum" (poster), International Conference of Chemical Associations of Southeast European Countries, (Chalkidiki, Greece 1998)
5. I. Tsangaraki – Kaplanoglou, V. Katsoulas, S. Theohari, L. Kompotiatis, "Effect of Certain Inorganic Additives on the Anodizing Process of Aluminum in function with its Pretreatment" (poster), Aluminum Surface Science and Technology Conference, (Beaune, France, 2006)
6. St. Theohari, D. Tsimis, D. Mantis, V. Haropoulou, D. Mantis, "Comparison of a water based ink with an organic solvent ink during printing on packaging paper", 12th International Symposium of Colors, Paints, Varnishes & Inks Dept of the Association of Greek Chemicals, NTUA, Athens -Greece (2012)
7. Sp. Nomikos, St. Theohari, V. Belessi, E. Paganni, Th. Philippakopoulou, "Digital Printed Circuits for Children's Board Games" (poster), Workshop on "Commercializing Organic Electronics in Greece - I", (Thessaloniki, Greece 2012)
8. St. Theohari, "Materials, Inks and Substrates for printed electronics", Educational Seminar on "Printed Electronics. Applications in Packaging ", Technological Educational Institute of Athens, 2014
9. St. Theohari, Ef. Fraggedakis and D. Tsimis, "Effect of paper properties on the print quality by flexographic method" at International Circle of Educational Institutes for Graphic Arts: Technology and Management, IC 2014 (Athens - Corinthia, Greece 2014)
10. St. Theohari and F. Petri, "Packaging Design and Production - Melinikon" (Poster) at the International Circle of Educational Institutes for Graphic Arts: Technology and Management, IC 2014 (Athens - Corinth, Greece 2014)
11. St. Theohari and M. Dimopoulou, "Roneo - Mimeograph" (Poster) at International Conference International Circle of Educational Institutes for Graphic Arts: Technology and Management, IC 2014, Athens - Corinth, Greece, 2014
12. St. Theohari and P. Gioti, "Aluminum Surface Treatment for Coloring, Corrosion Protection and Printing" Conference for Research at TEI of Athens (Technological Educational Institute of Athens, Greece, 2014)
13. St. Theohari, «Pigmentos e corantes para tinta. Materials para embalagem» Momentum ARTEC24, Simposio se Design e Artes Graficas, Istintuto Polytecnico de Tomar, Portugal, 2014
14. Stamatina Theohari*, Paraskevi Gioti, "Effect of aluminum surface treatment parameters on print quality by screen printing method", Science in Technology, Athens, Greece, November 5-7, 2015
15. St. Theohari, A. Kanta, I. Tsangaraki-Kaplanoglou, "Chemical etching of aluminum as an anti-corrosion property of certain organic compounds", 4th International Conference of Engineering Against Failure (ICEAF IV), Skiathos, Greece, 2015
16. A. Michailidou, St. Theohari and D. Tsimis "Water-based flexographic lamination inks", 48th International Conference IC Leipzig, Germany 2016
17. St. Theohari, P. Gioti, I. Iakovidis, A. Tsigonias, I. Sianoudis, "Improvement of Printing Quality of Aluminum Substrate", 48th International Conference IC Leipzig, Germany 2016

18. St. Theohari, A. Michailidou, "Water-based flexographic lamination printing inks", 6th World Congress of Typography and Visual Communication -ICTVC-, Thessaloniki, Greece 2016
19. St. Theohari, D. Tsimis, A. Michailidou, V. Belessi and Sp. Nomikos "Development of new printing inks for flexible packaging applications", 4th International Conference in Design and Graphic Arts - CIDAG, Barcelona, Spain, 2016
20. St. Theohari, D. Tsimis and D. Mantis, "Special effect of printing inks and overprint varnishes for packaging structures", 4th International Conference in Design and Graphic Arts - CIDAG, Barcelona, 2016
21. St. Theohari, S. Kalogeropoulou, P. Pantazopoulou, V. Argyropoulos, "Corrosion behavior of anodic films on aluminum and aluminum alloy in seawater", 6th Pan-Hellenic Conference on Metallic Materials, Ioannina, Greece, 2016
22. St. Theohari, I. Iakovidis and A. Karampotsos, "Printing on anodized aluminum surface", 6th Pan-Hellenic Conference on Metallic Materials, Ioannina, Greece, 2016

Other scientific articles

1. Er. Tsangaraki - Kaplanoglou, St. Theohari, V. Karagianni, R. Moschochoritou, "Methods of Enlargement of Aluminum Colors", "Χημικά Χρονικά" in Greek, Journal of the Association of Greek Chemists- General Edition, issue 10, pp. 241-243 (1995)
2. St. Theohari, "The Developments Concerning Paint Powders in the European & American Market", Extra Profile & Constructions (6th edition for Aluminum, Glass & Manufacturing), (1), pp. 98-100, (1997)
3. St. Theohari, A. Vafiadou, El. Goupiou, "Dyes as an Essential Component of Printing Inks", "Χημικά Χρονικά" in Greek, Journal of the Association of Greek Chemicals - General Edition, (7), pp. 24-27, (2011)
4. St. Theohari, M. Stefani, G. Vittas "Aluminum as a material of lithographic printing plates" – Typography, Greek Edition (December 2011)
5. St. Theohari, D. Tsimis, I. Metaxakis, D. Bahoumas "The role of Chemistry in the deinking and recycling of paper" "Χημικά Χρονικά" in Greek, Journal of the Association of Greek Chemists- General Edition, issue of August - September, pp. 20-24, (2012)

Research fields of interest

- Surface treatment of materials, aluminum anodic oxidation
- Printing substrates (paper, cardboard, metal, glass, textile, etc.)
- Dyes, Pigments, Inks, Coatings, Printing Materials, 3D Printing

Referee/Reviewer for international scientific journals

1. Applied Surface Science (Elsevier)
2. Materials (Materials - Open Access Materials Science Journal, MDPI)
3. Acta Graphica (Open Journal, University of Zagreb, Faculty of Graphic Arts, Croatia)

Awards

- Highly Commended Award for Excellence 2011 (Emerald Literati Network) for the research article: I. Tsangaraki-Kaplanoglou, A. Kanta, S. Theohari and V. Ninni, «Acid-dyes as corrosion inhibitors for mechanically pretreated aluminum» published in "Anti-Corrosion Methods and Materials", Vol. 57, No 1, 6-12 (2010)
- Award for the educational presentations "Open Academic Courses" of TEI of Athens (GUnet), 2015

Member of scientific and professional associations

Member of the Scientific Association of Greek Chemists (EEX) and of the Scientific Department "Paints, Varnishes and Inks"