

CURRICULUM VITAE

1. Personal Details

Surname : PAPASTERGIADIS
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Telephone No : +30-31-328160 (home)
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Current employment : Assistant Professor in Department of Food Technology
Alexander Technological Educational Institute of
Thessaloniki

2. EDUCATION

1985: Lyceum of Neapoli, Kozani
Degree "excellent" 18.6/20
1985-1990: Degree in Chemistry, School of Applied Sciences,
Department of Chemistry
Aristotle University of Thessaloniki
Grade "very good" 6.72/10
1990-1996: Ph.D. Thesis in the Laboratory of General and Inorganic Chemical
Technology, Department of Chemistry, Aristotle University of Thessaloniki
Title: "Study of corrosion behaviour of electrolytically anodized in
various conditions aluminium alloys."

3. RESEARCH EXPERIENCE

9/96-8/98 Participation in the research project of the General Secretariat for
Research and Development, entitled: "Research on the restoration and conservation of
brick-made pre-historic and historic monuments of Central Macedonia" *Employer:*
Department of Civil Engineering, Aristotle University of Thessaloniki.
3/97-12/97 Participation in the European Union Research project entitled: "The
removal of toxic metals from water and their selective recovery by biosorption, elution and
electrolysis". *Employer:* Department of Chemistry, Aristotle University of Thessaloniki.

7/98-12/98 Participation in research project of the regional Council of Sindos, Kalochori and Ionia areas entitled "Monitoring of atmosphere pollution of the area Ionia-Sindos-Kalochori from total suspended particles". *Employer:* Department of Chemistry, Aristotle University of Thessaloniki.

7/98-12/98 Participation in research project of the regional Council of Sindos, Kalochori and Ionia areas entitled "Heavy metals in the atmosphere of the areas of Ionia-Sindos-Kalochori". *Employer:* Department of Chemistry, Aristotle University of Thessaloniki

9/98-12/98 Participation in research project of the Ministry of Environment entitled: "Identification of sources and of chemical composition of suspended particles in the greater area of Thessaloniki. *Employer:* Department of Chemistry, Aristotle University of Thessaloniki

10/97-4/01 Participation in research project of the General Secretariat for Research and Development and the Municipality of Argostoli entitled: "Research and restoration-conservation of monuments of the Municipal cemetery in Drapano-Argostoli". *Employer:* Department of Chemistry, Aristotle University of Thessaloniki

4 / 03 - 2/04 Participation in a research program of scientific and technological collaboration between Greece-Turkey, entitled: "Comparative study of the public opinion on aspects of water policy and exploitation of the social element for the more rational management of potable water in the regions Attaleia-Turkey and Kozani-Greece". *Employer:* Environmental Centre of the Kozani Prefecture.

1/ 05 - 12/05 Participation in a scientific research program of the Ministry of Education "ARCHIMEDES II" entitled: "New polymeric materials with emphasis in electrostatic applications". *Employer:* TEI of Western Makedonia

4. LIST OF PUBLICATIONS:

1. P. Spathis, E. Papastergiadis: "Influence of seawater composition on SCC of 1050 Al-Alloy", J. of the Mech. Behaviour of Materials, 6, 1, 51 (1995).
2. P. Spathis, E. Papastergiadis, G. Stalidis, G. Papanastassiou: "Effect of bicarbonic acids on the protection of anodic coated Al-Alloys against SCC" *Advances in Corrosion Protection by Organic Coatings II*;The Electrochemical Society, 95-13, 309 (1995).
3. P. Spathis, J. Poullos, E. Papastergiadis: "Electrochemical Investigation of Corrosion of Anodised 1050 Al-Alloy in Marine Environments", Br. Corrosion J.,30,3,233 (1995).
4. P. Spathis, E. Papastergiadis, G. Stalidis, G. Papanastasiou: "The Influence of Carboxylic Acids in sulphuric acid anodising solutions on the Corrosion and SCC Behaviour of Al-1050", J. of Corrosion Science and Engineering, vol. 3, paper 3 (2000).
5. Samaras, P., Papadimitriou, C.A., Papastergiadis, E., Papa, A., Gudulas, K.: "Study of phytotoxic properties of sewage sludge stabilised by alkaline mediums", WIT Transactions on Ecology and the Environment, (2008), 110, 93-100.
6. E. Papastergiadis, S. Argyropoulos, N. Rigakis, N.E. Kiratzis "Fabrication of ceramic electrolytic films by the method of solution aerosol thermolysis (SAT) for solid oxide fuel cells (SOFC)" *Ionics*, (2009) 15,(5):545-554.
7. Spathis, P., Papastergiadis, E., Stalidis, G., Papanastasiou, G. "Influence of malonic acid on the corrosion and SCC behaviour of anodic coated 1050 Al-Alloys" *Key Engineering Materials* (2010), 438, 155-162.
8. D.S. Achilias, D.N. Bikiaris, E. Papastergiadis, D. Giliopoulos, G.Z. Papageorgiou "Characterization and crystallization of in situ prepared poly(propylene terephthalate)/SiO₂ nanocomposites" *Macromolecular chemistry and physics*, (2010), 211,66-79.
9. G.Z. Papageorgiou, D.N. Bikiaris, D.S. Achilias, E. Papastergiadis and A. Docoslis "Crystallization and biodegradation of poly(butylene azelate): Comparison with poly(ethylene azelate) and poly(propylene azelate)" *Thermochimica Acta*, (2011), 515, 1-2, 13-23.

10. Simeonidis, K., Sarafidis, C., Papastergiadis, E., Angelakeris, M., Tsiaoussis, I., Kalogirou, O. "Evolution of Nd₂Fe₁₄B nanoparticles magnetism during surfactant-assisted ball-milling" *Intermetallics*, (2011), 19, 4, 589-595.
11. Spathis, P., Papastergiadis, E., "Influence of malonic acid on SCC behaviour of anodic coated al-alloys 1050" *Journal of Corrosion Science and Engineering*, (2011), Vol. 14, p 22..
12. Spathis, P., Papastergiadis, E., "The Effect of Additions of Carboxylic Acids to the Anodising Bath on the Corrosion and SCC of Anodised Aluminium" *Anti-Corrosion Methods and Materials*, (2012), Vol. 59 (4), pp. 190-194.
13. P. Spathis, A. Pantazidou, M. Mavromati, E. Papastergiadis, " Influence of environmental conditions and application of cleaning methods against bio deterioration of marble monuments", *International Journal of Heritage in the Digital Era*, (suppl. 1, EUROMED 2012), DOI 10.1260/2047-4970.1.0.271, (2012), Vol. 1, pp. 271-276.
14. Spathis, P., Papastergiadis, E., "Effect of inorganic additives on the protection of anodic coated al-alloys against corrosion and SCC", *Journal of Corrosion Science and Engineering* (2012) vol. 15, p 43.
15. P. Spathis, E. Papastergiadis: "Influence of seawater composition on SCC Behaviour of Anodized 1050 Al-alloy". *Anti-Corrosion Methods and Materials*. (2013), Vol. 60, Iss: 1, pp. 45-50.
16. Eleni P. Kalogianni, Efthimios Papastergiadis: "Crust pore characteristics and their development during frying of French-fries". *Journal of Food Engineering*, (2014), 120, pp. 175-182.
17. M. Ritzoulis C, Papastergiadis E, Panayiotou C.: "Composite materials based Dimopoulou on okra hydrocolloids and hydroxyapatite". *Food Hydrocolloids* (2014) 42(P3), pp. 348-354.
18. E. Papastergiadis, S. Sklari, A. Zouboulis, A. Chasiotis P. Samaras, "The use of steelmaking slag for sewage sludge stabilization". *Desalination and Water Treatment*, (2015), 55(7) pp.1697-1702
19. V. Karayannis, X Spiliotis, E. Papastergiadis, K. Ntampeglitis, G. Papapolymeroy, P. Samaras. "Contribution to the sustainable management of resources by novel combination of industrial solid residues into red ceramics". *Bulletin of Environmental Contamination and Toxicology*. (2015) 94(3) pp. 345-351.

20. Vasiliadou E. Raphaelides S. Papastergiadis E. "Effect of heating time and temperature on partially gelatinized starchfatty acid interactions". *LWT - Food Science and Technology*. (2015) 60(2), pp. 698-707.
21. A. Domopoulou, K. Goudulas, E. Papastergiadis, V. Karayannis. "Coagulation/flocculation/sedimentation applied to marble processing wastewater treatment." *Modern Applied Science*. (2015) 9(6) pp.137-144.
22. D. Georgiou, A. Marinopoulou, C. Ritzoulis, E. Papastergiadis and E. P. Kalogianni. "Capillary penetration in cellulose and polyethylene porous media: effect of contact with vapours and partial saturation with a non-miscible liquid", *Colloids and Surfaces A: Physicochem. Eng. Aspects*. (2015) 483, pp. 297-306.
23. G.Tsimekas, E. Papastergiades and N.E. Kiratzis "Electrochemical Performance of SOFC Components Fabricated by Spray Pyrolysis Method", *ECS Transactions*, (2015), 68 (1) pp. 2479-2490.
24. G.Tsimekas, E. Papastergiades and N.E. Kiratzis "Insights into the effect of deposition temperature on YSZ and CGO thin films fabricated by spray pyrolysis", *ECS Transactions*, (2015), 70 (1) pp. 205-212.
25. Marinopoulou A., Papastergiadis E., Raphaelidis S.N., Kontominas M.G. "morphological characteristics oxidative stability and enzymic hydrolysis of amylase-faty acid complexes", *Carbohydrate Polymers*. (2016), 141, pp. 106-115.

Chapters in Books

1. E. Papastergiadis, C. Papadimitriou, P. Samaras, A. Karagiannidis and A. Zouboulis, "Stabilization of municipal sewage sludge by fly ash", in *Sewage Sludge Management*, (Chapter 10), Edited by A. A. Zorbas and V. J. Inglezakis, Nova Science Publishers, Inc., (2012), ISBN: 978-1-61324-393-0