

Curriculum Vitae

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|  | <p>Christos Koukiotis Papdiamanti 72 56429 Efkarpia - Thessaloniki - GREECE Tel -Fax: +302310808166 Mob: +306973355467 E-mail: koukiotis@gmail.com http://gr.linkedin.com/pub/christos-koukiotis/36/311/26a</p> |
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PERSONAL INFORMATION

Nationality: Greek

Date of Birth: 19/09/1965

Gender: Male

Family status: Married and have 2 children

EDUCATION

- 2005 - 2012 **PhD in Chemistry of Polymers** (simultaneously with my work at Loufakis Chemicals SA) from Department of Chemistry, Aristotle University of Thessaloniki, Thessaloniki, GR-54124, GREECE.
Title of Dissertation: **"Synthesis and study of properties of copolymers of vinyl ester of versatic acid-10 with (meth-) acrylates. Preparation of ecological coatings."**
- 2002-2005 **Msc in Chemistry of Polymers** (simultaneously with my work at Loufakis Chemicals SA) from Department of Chemistry, Aristotle University of Thessaloniki, Thessaloniki, GR-54124, GREECE.
- 1983-1987 **Eurobachelor in chemistry** from Department of Chemistry, Aristotle University of Thessaloniki (<http://www.chem.auth.gr/index.php?lang=en>)
- 1983 Graduated from General High School of Litohoro, 60200 Greece.

WORK EXPERIENCE

- 2000 - 2017
(today) **Director of Quality Control, Research & Development in Loufakis Chemicals SA** (www.loufakis.gr). From 2004 till 2010 I had taken in parallel and the position of **Production Manager** in the company. Apart from formulations of various chemical products developed by me in the Lab of Loufakis, I have been also involved in a number of research projects relating to water treatment chemicals, polymer production and characterization, textile chemicals as well as encapsulation technologies founded from the Greek state and the European Union. From July 2009 till Jun 2011 I was engaged as coordinator on behalf of Loufakis Chemicals SA in the research project "AquAszero" of FP7 (www.aquaszero.com) funded directly by the EU for the development of low cost adsorbents of arsenic

from potable water. The last years there was a time that I was managing at the same time 4 national funded research projects and 2 EU funded research projects. Apart from the R & D activities the last years I deal a lot managing the efforts of our company to be compliant with the new European legislations for chemicals (REACH).

- 2013-2017 (today) Research Associate in Multiphase dynamics group of Professor Thodoris D. Karapantsios, School of Chemistry of the Aristotle University of Thessaloniki. I participate (part-time) in research project founded by the European Space Agency. (<http://karapant.webpages.auth.gr/group/>)
- 2017 Teaching “Analytical Chemistry II” (32hours) & “Chemical Technology” (32hours) for one semester in the public Institute of Vocational Training in Sindos.
- 2016 Teaching “Food Chemistry” for one semester (60hours) in the public Institute of Vocational Training in Sindos.
- 1999 - 2000 Chemical Technical consultant at **POLAT SA** for building materials, industrial, decorative and sports floorings, waterproofing materials, etc. (www.polat.gr)
- 1998 - 2000 Personal business for assembling and marketing Computers.
- 1998 Sales and technical support of orthopedic implants for **UNIMED Ltd**, Thessaloniki, GREECE.
- 1996 - 1997 Sales and technical support of scientific laboratory instruments for **Controla SA** (www.controla.gr), Thessaloniki, GREECE.
- 1995-1996 Private tutorial lessons of Chemistry and Physics to students
- 1994 The first chemist in **ISOMAT SA** (www.isomat.gr), Thessaloniki, GREECE. Development of cementious products, tile adhesives and epoxy floorings.
- 1993 - 1994 Chemist in the Lab of **HB BODY S.A.** (www.hbbody.com). Development of various coatings.
- 1991 - 1993 Chemist in the Lab of “**ER-LAC**”**G.D. KOUTLIS S.A.** (<http://www.erlac.gr>). Quality control and development of paint recipes in the Lab.
- 1988 - 1990 I served in the Greek Army as a Probationary Reserve Officer
- 1986 As a student of Chemistry I worked for two months during summer in the **R & D department of EKA Nobel AB at Bohus in Sweden.**
- 1985 As a student of Chemistry I worked for two months during summer in the analytical laboratory of the Department of fluorochlorinated hydrocarbon production (Freons) of **the Chemical Industries of Northern Greece (a fertilizer company).**

COMPUTER SKILLS

- MS Operating Systems (MS-DOS, WINDOWS 98, WINDOWS 2000, WINDOWS XP Pro, windows 7), Linux (Ubuntu 8.04 - 12.04, etc)
- Ms Office Applications (Word, Excel, Access, Power Point)
- Internet Tools, PDF editors, Open Office, Libre Office
- Assembling - repairing of Desktop PCs

ADDITIONAL SKILLS

Soft Skills

- Ability to apply academic knowledge to real life situations
- Team player
- Organized and goal oriented
- Performing well under pressure
- Flexibility to perform various tasks

Languages

- English, Greek (mother tongue).

Seminars

- I attended several seminars for safety and classification of chemical substances, seminar for ATEX (Explosive atmospheres) & Fire Protection, seminars for new European legislation for registering chemical substances (REACH), seminars related to innovation & marketing etc.
- I have also trained workers of Loufakis Chemicals SA in internal seminars related to chemical hazards & legislation. Detailed list is available upon request.
- Trainer in an internship program of Vocational Training related to developing new products (www.kekssd.gr)
- Trainer of many Greek & foreigner students during their internship programs.

PUBLICATIONS

1. **Christos Koukiotis, Irimi D. Sideridou** "Preparation of high solids stable translucent nanolatexes of MMA/BA copolymers and MMA/BA/Veova-10 terpolymers with low MFFT using green industrial surfactants", **Progress in Organic Coatings** 63 (2008), 116.
2. **International Patent, Pub. No.: WO/2008/089707**, "LIPOSOME OF A TEXTILE AUXILIARY AGENT, METHOD OF ITS PREPARATION AND A PREPARATION CONTAINING IT"

3. **Christos Koukiotis**, "Synthesis and Study of latexes based on copolymers BA\MMA\DAAM and BA\MMA\VEOVA-10\DAAM and of the corresponding self-crosslinkable latexes using the adipic acid dihydrazide as curing agent", **7^o National Scientific Conference of Chemical Engineering, Patra, 3-5 June, 2009.**
4. **Christos Koukiotis**, Irini D. Sideridou, "Synthesis and characterization of latexes based on copolymers BA MMA DAAM and BA MMA VEOVA-10 DAAM and the corresponding 1K crosslinkable binder using the adipic acid dihydrazide as crosslinking agent", **Progress in Organic Coatings 69 (2010), 504.**
5. Georgiadis N., Ritzoulis C., Charchari E., **Koukiotis C.**, Tsiptsias C., Vasiliadou C. Isolation, characterization and emulsion stabilizing properties of polysaccharides from orchid roots(salep) **Food Hydrocolloids 28 68-74 (2012)**
6. Ritzoulis C., Siasios S., Melikidou K.D., **Koukiotis C.**, Vasiliadou C., Lolakos S. Interactions between pig gastric mucin and sodium caseinate in solutions and in emulsions. **Food Hydrocolloids**, DOI: 10.1016/j.foodhyd.2012.04.005 (2012)
7. **Christos G. Koukiotis**, Maria M. Karabela, Irini D. Sideridou, "Mechanical properties of films of latexes based on copolymers BA/MMA/DAAM and BA/MMA/VEOVA-10/DAAM and the corresponding self-crosslinked copolymers using the adipic acid dihydrazide as crosslinking agent", **Progress in Organic Coatings Vol 75 (2012), Pages 106-115**
8. Ritzoulis C., Marini E., Aslanidou A., Georgiadis N., Karayannakidis P.D., **Koukiotis C.**, Filotheou A., Lousinian S., Tzimpilis E., Hydrocolloids from quince seed: Extraction, characterization, and study of their emulsifying/stabilizing capacity. **Food Hydrocolloids DOI: 10.1016/j.foodhyd.2014.03.031 (2014)**
9. Vasilios Tsiridis, Maria Petala, **Chris Koukiotis**, Efthymios Darakas, "Implications of handling practices on the ecotoxic profile of alumina nanoparticles towards the bacteria *Vibrio fischeri*", Journal of Environmental Science and Health, Part A, 2016, p. 1-8, <http://dx.doi.org/10.1080/10934529.2016.1221217>
10. **Greek Patent, ΔΕ 20160100378**: Μέθοδος σύνθεσης αρνητικά φορτισμένου φεροζίτη μαγγανίου για εκλεκτική απομάκρυνση υδραργύρου από το νερό.

INTERNATIONAL CONFERENCES, WORKSHOPS & SCHOOLS

Participated in a number of conferences and workshops with presentations, including:

1. Christos Koukiotis, "Presentation of related research activities in Loufakis Chemicals SA", 1st Annual Workshop Meeting, COST Action (MP1106), Action Title: (Smart and green interfaces - from single bubbles and drops to industrial, environmental and biomedical applications (SGI)), Dublin, Ireland from 13/09/2012 to 14/09/2012.
2. Christos Koukiotis, Karabela, Sideridou "Mechanical Properties of films of self-crosslinked latexes based on copolymers BA/MMA/DAAM or BA/MMA/VEOVA-10/DAAM with

- adipic acid dihydrazide, Smart and Green Interfaces 2013 Conference jointly organized with COST MP1106 Annual Workshop, (21-22.03.2013, Prague, Czech Republic)
3. Christos G. Koukiotis, "Dynamic surface tensions of bubbles & surface dilatational viscoelasticity measurements of drops of low emission environmentally-friendly interior paints." 27th Conference of the European Colloid and Interface Society, September 1- 6, 2013 in Sofia, Bulgaria
 4. Christos G. Koukiotis, Thodoris D. Karapantsios, "Dynamic contact angle measurements of drops of environmentally friendly interior paints", Smart and Green Interfaces 2014 Conference jointly organized with COST MP1106 Annual Workshop, Marseille, France, 20-24 April 2014.
 5. Christos G. Koukiotis, George Lamprinos, Margaritis Kostoglou, Thodoris D. Karapantsios, "Improving foaming of a dishwashing detergent through optimization of its chemical recipe", 10th European Conference on Foams, Emulsions and Applications (EUFOAM2014), Thessaloniki, Greece, 7-10 July 2014.
 6. Christos G. Koukiotis, George Lamprinos, Thodoris D. Karapantsios, "I. Optimization of viscosity and foamability of a dishwashing detergent. II. Efficient substitution of coconut diethanolamide to produce a safer product for human health", Smart and Green Interfaces 2015 Conference jointly organized with COST MP1106 Annual Workshop, Belgrade, Serbia, March 30-April 1, 2015
 7. Christos G. Koukiotis, Giannis Kokkinos, Thodoris D. Karapantsios, "Preparation of stable aqueous solvent-free nanoemulsions of aminopropylaminoethyl polysiloxane by Phase Inversion Emulsification Studies of particle sizes by dynamic light scattering measurements", Smart and Green Interfaces 2015 Conference jointly organized with COST MP1106 Annual Workshop, Belgrade, Serbia, March 30-April 1, 2015
 8. Giannis Kokkinos, Christos G. Koukiotis, , Thodoris D. Karapantsios, "Particle size & dynamic surface tension measurements of aqueous solvent-free nanoemulsions of an aminopropylaminoethyl polysiloxane prepared by phase inversion emulsification", 12ο Συνέδριο Χημείας Ελλάδος-Κύπρου, Θεσσαλονίκη, 8-10 Μαΐου,
 9. Christos G. Koukiotis, Edouardos Ter Gkeorkian, Thodoris D. Karapantsios, "Low VOC waterborne environmentally-friendly interior paints prepared with the aid of ultrasonic irradiation study for open time improvements maintaining low voc emissions", 12ο Συνέδριο Χημείας Ελλάδος-Κύπρου, Θεσσαλονίκη, 8-10 Μαΐου, 2015.
 10. Christos G. Koukiotis, George Lamprinos, Margaritis Kostoglou, Thodoris D. Karapantsios, "Study of viscosity and foaming of a dishwashing detergent recipe and its variations . proposal of an optimized alternative recipe for better health safety", 12ο Συνέδριο Χημείας Ελλάδος-Κύπρου, Θεσσαλονίκη, 8-10 Μαΐου, 2015.
 11. Christos G. Koukiotis, Giannis Kokkinos, Thodoris D. Karapantsios, "VOC free nanoemulsions of aminopropylaminoethylpolysiloxane prepared by phase inversion emulsification with C13 ethoxylated surfactants of various HLB ", Smart and Green Interfaces 2016, 04 - 06 May 2016, Athens, Greece.

SELECTIVE PARTICIPATIONS IN RESEARCH PROJECTS

1. "Research for the development of chemical flocculants and decolorants which are employed in liquid waste treatment units". PAVET 1996
2. "Application of Poly-Aluminum Chloride (PACl) in water treatment of potable and industrial water". PAVE '99 2000-2001.
3. "LIQUIDECODYE" - Ecological Liquid Dyes for Textile Applications, EPAN - EUREKA
4. "FRESH" - OPTIMISATION OF COTTON FABRIC PROCESSING FOR A FLAME RETARDANT FINISH funded under the FP5/ CRAFT (Co Number: G1ST-CT-2002-50270) 1/3/2003 - 28/2/2005
5. "Exploitation of computer aided design tools for the design, simulation, control and optimization of polymerization processes", which was one of the sub-projects of the umbrella - project "Innovation Pole of Central Macedonia" funded by the GSRT under the programme EPAN
6. "Development of granular binary ferric-manganese oxy- hydroxide for arsenic removal from potable water" funded by 7th Framework Program AquAsZero, Project No 232241, FP7-SME-2008-1/ RESEARCH FOR SMES. 1/7/2009 - 31/6/2011.
7. "NANOPROTECTION - Advance hybrid nano-materials for the protection and the waterproofing of surfaces", funded by the GSRT under the programme "Competitiveness & Business Dexterity» in the frame of NSRF (National Strategic Reference Framework 2007-2013) Project No 639. 1/1/2011 - 31/12/2013
8. FP7-SME-2012-1, 315425, WOOD-FLARETCOAT Flame-retardant coatings based on nano-magnesium hydroxide, huntite and hydromagnesite for wood applications
9. FP7-SME-2013, 605371, WELDAPRIME, Self-repairable Zinc-free Weldable Anti-corrosion Primer for the Steel protection

More details and *references are available upon request.*