

## CURRICULUM VITAE

**Surname and First Name:** Fountoukidis Evagelos

**Marital Status:** Married

**Military Service:** 1983-1984 completed

**Address:** Technological Education Institute of Piraeus, Department of Physics Chemistry and Materials Technology, Laboratory of Chemical Technology

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### EDUCATION

1988: PhD Degree, National Technical University of Athens (NTUA), School of Chemical Engineering. Dissertation Title: "Deposition of Calcium Sulfate on Reverse Osmosis Membranes".

1985: Degree in Economics, Economic University of Athens, Greece.

1977: MSc in Chemical Engineering at the School of Chemical Engineering of the National Technical University of Athens (NTUA), Greece

### POSITION

1985-today: Technological Education Institute of Piraeus, Department of Chemistry, Physics and Materials Technology, Greece.

2008 - today Professor

2004 - 2008 Associate Professor

2000 - 2004 Assistant Professor

1994 - 2000 Laboratory Professor

1985 - 1994 Teaching Fellow

1988-1995: Teaching Fellow, Department of Chemistry, Physics and Materials Technology, Technological Education Institute of Athens, Greece.

1980-1988: Teaching Assistant at the Laboratory of Unit Operations, School of Chemical Engineering, National Technical University of Athens (NTUA), Greece

1977-1980: Doctoral Researcher, Laboratory of Unit Operations, School of Chemical Engineering, National Technical University of Athens (NTUA), State Scholarships Foundation (I.K.Y. Greece)

### TEACHING EXPERIENCE, 1980 - today

Physical Processes, Organic and Inorganic Chemistry, Chemical Technology, Fuels - Lubricants, Electrochemistry, Quality Control, Mechanical Engineering Materials, Civil Engineering Materials,

Electrical Engineering Materials, Environmental Chemistry, Chemical and Environmental Technology, Organization of School Laboratories.

## **SUPERVISION OF DISSERTATIONS, 1985 - today**

GRADUATE: 60

## **SPECIALIZATIONS**

Membranes Separations, Reverse Osmosis, Chemical Technology, Environmental Technology, Materials Science, Food Technology.

## **PARTICIPATION IN FUNDED PROJECTS**

1. "Desalination by Reverse Osmosis", 1/85-12/86, National Technical University of Athens (NTUA).
2. "Concentration of Hydrosopic Solutions for Energy Saving in Food Treatment", 1/86-12/86, Ministry of Development, Agricultural University of Athens.
3. "Multi Stage Evaporators Working by Absorption", 1/87-12/88, European Union, Agricultural University of Athens, Hellas Energy Ltd.
4. "Pectin Production in Pilot Plant Scale", 1/86-9/86, Biohellas Ltd.
5. "Disinfection of Water by Electrochemical Treatment", 9/87-8/88, Hellas Energy Ltd.
6. "Coproductin Pectin - Hesperidin", 1/88-9/88, , Biohellas Ltd.
7. "Energy Saving in Drying Agricultural Products", 1/89-12/90, Ministry of Development, ΚΣΟΣ.
8. "Re-plan a Raisin Sulphuring Plant with respect to Environment Protection", 1/89-12/89, ΚΣΟΣ.
9. "Plan and Construction of a Electroplating Waste Treatment Pilot Plant", 10/90-9/91 Ministry of Development.
10. "Covering fireproof cooking utensils PYREX with non-stick cover, suitable for foods", 3/1999-9/2000, Ministry of Development, ΦΕΣΤ ΑΒΕΕ.
11. "Investigation of the Strain Gauge Technique application limits for reinforced concrete corrosion measurements", 5/2000-5/2001, Technological Education Institute of Piraeus.
12. "Electrical and Magnetic properties of polymer samples with conductive magnetic inclusions of nano size dimensions", 1/3/2004-31/9/2006, Archimedes research program, European Union, Greek Ministry of Education.

## **DISSERTATIONS**

1. E. Fountoukidis, "Desalination by Reverse Osmosis", Dissertation, National Technical University of Athens (NTUA), School of Chemical Engineering, 1977.
2. E. Fountoukidis, "Deposition of Calcium Sulfate on Reverse Osmosis Membranes", PhD Thesis, National Technical University of Athens (NTUA), School of Chemical Engineering, 1988

## PEER REVIEWED ARTICLES IN SCIENTIFIC JOURNALS

1. E. Fountoukidis, Z.B. Maroulis, D. Marinos-Kouris, "Modeling of Calcium Sulphate Fouling of Reverse Osmosis Membranes", [Desalination, 72\(2\) \(1989\) 293-318.](#)
2. G. Patermarakis, E. Fountoukidis, "Disinfection of Water by Electrochemical Treatment", [Water Research, 24\(12\) \(1990\) 1491-1496.](#)
3. E. Fountoukidis, Z.B. Maroulis, D. Marinos-Kouris, "Crystallization of Calcium Sulphate on Reverse Osmosis Membranes", [Desalination, 79\(1\) \(1990\) 47-63.](#)
4. E. Fountoukidis, S. Yianniotis, N. Leontaridis, "A Theoretical Model for Direct Solar Regeneration of Hygroscopic Solutions", [Solar Energy, 51\(4\) \(1993\) 247-253.](#)
5. N.G. Voros, E. Fountoukidis, K.G. Magoulas, Z.B. Maroulis, "A Combined UF/RO Waste Water Cleaning System Design, Operation and Economic Assessment", International Desalination and Water Reuse Quarterly, Vol. 9/3, p.p. 26-31, 1999.
6. M.K. Krokida, E. Fountoukidis, Z. Maroulis, "Drying constant: literature data compilation for foodstuffs", [Journal of Food Engineering, 61\(3\) \(2004\), 321-330.](#)
7. N. Zacharias, M. Stuhel, Z. Knezevic, E. Fountoukidis, C.T. Michael, Y. Bassiakos, "Low dose environmental dosimetry using Thermo- and Optically Stimulated-Luminescence", [Nuclear Instruments and Methods in Physics Research, Section A, Accelerators Spectrometers Detectors and Associated Equipment, 580 \(1\) \(2007\) 698-701.](#)

## PUBLICATIONS IN GREEK REFEREED SCIENTIFIC JOURNALS

1. E. Fountoukidis, Z.B. Maroulis, D. Marinos-Kouris, "Depositions of Calcium Sulphate on Reverse Osmosis Membranes", Technical Chronics, Volume 8, No 3, 1988, p.p. 37-54.
2. G. Batis, A. Routoulas, E. Fountoukidis, "Reinforcement Corrosion Investigation in Fiber Mortar Specimens with the Strain Gauge Technique", Applied Research Review, Journal of the Technological Educational Institute of Piraeus, Volume I, No 1, 2000, p.p. 307-313.
3. Y. Atanassova, S. Kalogeropoulou, E. Fountoukidis, G. Nicolaidis, A. Fotopoulos, N. Theofilou, S. Tsitomenas, P. Pissis, M. Kontou-Drouga, "Dielectric Constant and AC Electric Conductivity of Polymers with Isotropic Magnetic Inclusions of nano size dimensions", Applied Research Review, Journal of the Technological Educational Institute of Piraeus, Vol XII, No 1, 2008, p.p. 41-50.
4. G. Nicolaidis, E. Fountoukidis, Y. Atanassova, S. Kalogeropoulou, A. Fotopoulos, N. Theofilou, S. Tsitomenas, P. Pissis, M. Kontou-Drouga, "Magnetic properties of polymer samples with magnetic inclusions of nano size dimensions", Applied Research Review, Journal of the Technological Educational Institute of Piraeus, Vol XII, No 1, 2008, p.p. 131-137.

## PRESENTATIONS IN CONFERENCES / SYMPOSIA / WORKSHOPS

1. S. Yianniotis, E. Fountoukidis, "Concentration of Hygroscopic Solutions by Solar Energy", 3<sup>rd</sup> National Conference of renewable sources of energy, Thessalonica 1988. Proceedings Vol A, p. 21 -27.
2. E. Fountoukidis, "Membrane separation processes in food industry", Workshop organized by the Center for Renewable Energy Sources and Saving, Crete, Greece, 11 May 1993 and Athens, Greece 11 June 1993.

3. F. Batzias, S. Yianniotis, E. Fountoukidis, "A Monte Carlo Model for the prediction of Hydroscopic Solutions Concentration by Solar Energy", 5<sup>th</sup> National Conference of renewables sources of energy, Athens, Greece, 1996.
4. E. Fountoukidis, K.G. Magoulas, "A model of scale formation and permeate rate in reverse osmosis and ultrafiltration membranes", Technical Chamber of Greece Workshop on "Membranes Separation Processes in water, wastewaters and industrial products treatment", Athens, Greece, 24 February 1999.
5. N.G. Voros, E. Fountoukidis, K.G. Magoulas, Z.B. Maroulis, "Simulation of membranes processes", Technical Chamber of Greece Workshop on "Membranes Separation Processes in water, wastewaters and industrial products treatment", Athens, Greece, 24 February 1999.
6. G. Batis, A. Routoulas, E. Fountoukidis, "Reinforcement Corrosion Investigation in Fiber Mortar Specimens with the Strain Gauge Technique", 3<sup>rd</sup> Conference of Technology and Automation, Piraeus, Greece, 14-16 October 2000. Proceedings Vol. 1, p.p. 307- 313.
7. E. Fountoukidis, I. Garofalakis, A. Routoulas, "Sea water desalination by solar still", 1<sup>st</sup> Congress Technologies of renewable sources and Environment", Athens 11-12/12/2000. Proceedings p. 123-133.
8. G. Batis, E. Rakanta, E. Kitinos, A. Routoulas, E. Fountoukidis, "Reinforcement Corrosion Investigation of S500s steel in Mortar Specimens", 1<sup>st</sup> National Conference on Metallic Materials, Volos, Greece, 29-30 November 2001. Proceedings p. 241-246.
9. G. Nicolaidis, E. Fountoukidis, Y. Atanassova, S. Kalogeropoulou, A. Fotopoulos, N. Theofilou, S. Tsitomeneas, P. Pissis, B. Peoglos, M. Kontou-Drouga, "Magnetic properties and electric conductivity of magnets with Nd<sub>2</sub>Fe<sub>14</sub>B inclusions of nano size dimensions ", 22<sup>nd</sup> Panhellenic Conference of Solid State Physics and Material Science, Patra, Greece, 24-27 September 2006.
10. N. Zacharias, G. Andriossopoulos, K. Doulas, Y. Bassiakos, E. Fountoukidis, C. Michael, "Study of Thermo-and Optical Luminescence in various Quartz", 22<sup>nd</sup> Panhellenic Conference of Solid State Physics and Material Science, Patra, Greece, 24-27 September 2006.
11. N. Zacharias, B. Gavalas, G. Kotsias, C. Michael, E. Fountoukidis, Y. Bassiakos, "Use of Luminescence dosimeters for environmental radiation dose detection: Comparative Study", 22<sup>nd</sup> Panhellenic Conference of Solid State Physics and Material Science, Patra, Greece, 24-27 September 2006.

## BOOKS - LECTURE NOTES

1. E. Fountoukidis, "Organization and running of School Laboratories", Athens 1991, 150 pages.
2. E. Fountoukidis, "Hygiene and accident prevention", Athens 1993, 82 pages.
3. M. Ziogas, E. Fountoukidis, "Statistical processing of results", Technological Education Institute of Piraeus, 2002, 58 pages.
4. E. Fountoukidis, "Laboratory Exercises in Chemical Technology", Technological Education Institute of Piraeus, 1998, 69 pages.
5. E. Fountoukidis, "Chemical and Environmental Technology", Technological Education Institute of Piraeus, 2003, 40 pages.
6. E. Fountoukidis, "Laboratory Exercises in Chemical Technology", Technological Education Institute of Piraeus, 2007, 180 pages.
7. E. Fountoukidis, "Laboratory Exercises in Chemical and Environmental Technology", Athens 2009, 240 pages.
8. T. Triantis, E. Fountoukidis, "Photometric method for the determination of BOD<sub>5</sub> in wastewaters", Technological Education Institute of Piraeus, 2009.
9. T. Triantis, E. Fountoukidis, "Photometric method for the determination of COD in wastewaters", Technological Education Institute of Piraeus, 2009.

## **EXTENDED STUDIES - MONOGRAPHS - TECHNICAL REPORTS**

1. G. Patermarakis and E. Fountoukidis, "Electrochemical treatment for the disinfection of drinkable water", Athens, Greece, 1988.
2. E. Fountoukidis, Z.B. Maroulis, D. Marinos-Kouris, "Pectin Production in Pilot Plant Scale", Athens 1986.
3. E. Fountoukidis, Z.B. Maroulis, D. Marinos-Kouris, "Planning of a pectin production industrial unit", Athens 1986.
4. E. Fountoukidis, Z.B. Maroulis, D. Marinos-Kouris, "Planning of a pectin - hesperidin production plant", Athens 1988.
5. E. Fountoukidis, "Plan and Construction of a Electroplating Waste Treatment Pilot Plant", Athens 1992.

## **PATENTS**

Names of Applicants, "Apparatus of electrochemical treatment of water" Greek Organization of Industrial Property, 1989, No. 2000398.

## **CITATIONS**

105 (self-citations excluded)

## **PARTICIPATION IN PROFESSIONAL INSTITUTIONS AND COMITIES**

Member of the Technical Chamber of Greece