

CURRICULUM VITAE

KOKKONI KARAKOSTA

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Personal Details:

Nationality	Hellenic
Date of Birth	24, June 1966
Marital Status	Married
Place of Birth	Serres, Greece

Educational Background:

1988 Petroleum Engineering, Petroleum Engineering Faculty, Kavala Institute of Technology – Greece

2010 MSc Quality Assurance-Hellenic Open University of Patra

2012 Degree School of Pedagogical & Technological Education (ASPETE), Sapes, Greece

2013 MSc Oil and Gas Technology- Institute of Technology, Eastern Macedonia and Thrace - Greece

Certificates

- Driving License
- H₂S Safety Trained.
- Fire fighting trained.
- Audit QMS

Languages:

Fluent in Greek & English. Basic Bulgarian

Employment History and Work Experience:

- **6 1986 - 9/1986** SEKAP - Xanthi: Department of Quality Control / Laboratory
- **7/1987 - 8/1987** NAPC - Kavala: Department of Quality Control / Laboratory
- **2/1988 - 4/1988** SEKAP - Xanthi: Department of Quality Control / Laboratory
- **4/1988 - 4/1990** G.M.C. - Xanthi: Department of Quality Control / Laboratory - Head of Department of Quality Control
- **5/1995 - 2/1996** Lemonidis-CHEMICAL NORTHERN GREECE – Kavala: Department of Quality Control / Laboratory
- **9/1997 -8/2013** Kavala Institute of Technology: Department of Technology of Petroleum and Natural Gas and General Department of Science
Laboratory Associate in Courses:
Thermal Separations, Chemistry and Technology of Polymers, Basic Calculations in Chemical Engineering, Chemical Industry Project, Simulation of Chemical Processes, Physical Chemistry , Analytical Chemistry, Chemical Technology, Organic Chemistry, Geophysical loggins, Drilling, Fluid Mechanics, Advanced Chemical Engineering, Electrotechnic
- **11/2009 - 6/2010** DIVISION OF SECONDARY EDUCATION UNION: EPAS Kavala / Department of Technicians of Natural Gas

- **10/2013 – 2/2015** Geotech S.A. - Georesources Technology, Kavala, Greece, Field Engineer/Mud Logger
 - Responsible for well-logging analysis and interpretation services. Prepare reports and document results of work.
 - Responsible for internal audit of QMS
 - Responsible for mud logging units and consumables
 - Responsible for Mud Logging tender submission
- **2/2015 – 5/2016** Geotech S.A.- Georesources Technology, Kavala, GR, Operations Development Engineer
- **5/2016 – 2019** Technological Educational Institute of Eastern Macedonia and Thrace, Dpt of Petroleum and Mechanical Engineering, Kavala, Greece, Laboratory Teaching Staff.
- **2019- Today International Hellenic University, Faculty of Chemistry**, Kavala, Greece, Laboratory Teaching Staff

Participation in research projects:

- **9 / 2001 to 2013** Water quality control by chemometrical analysis, Research Associate.
- **9/2012 to 2013** “THALIS” Program: “NANOCAPILLARY”, Research Associate

Computer Skills:

- **Operating Systems:** Windows 2000/XP/NT. Certificate Holder ECDL.
- Software: AutoCAD 2009.

Extra qualification

Trained to handle:

- Small and Wide Angle XRay System (SAXS & WAXS)
- X-ray Diffraction (XRD)
- Scanning Electron Microscopy (SEM-EDX)
- Atomic Force Microscopy (AFM)
- Transmission Electron Microscopy (TEM)
- System measuring/controlling permeability and relative permeability
- Mercury Porosimeter
- N- Porosimeter – Gas sorption analyzer
- Interfacial tensiometer/contact angle
- Langmuir-Blodgett Balance (LB-Balance)

Publications:

Scientific Journals:

1. **K. Karakosta**, A.C. Mitropoulos, G.Z. Kyzas, A review in nanopolymers for drilling fluids applications, *Journal of Molecular Structure*, 1227 (2021) 129702.
2. K. Dermentzis, **K. Karakosta**, R. Kosheleva, N. Kokkinos, Electrochemical remediation of phthalocyanine dye wastewater and simultaneous hydrogen production, *Journal of Engineering Science and Technology Review*. 13 (2020) 22-25.
3. D, Stergiopoulos, K. Dermentzis, **K. Karakosta**, P. Giannakoudakis, Batch and continuously operated electrooxidation process for removal of phenol from aqueous solution, *Revista de Chimie* 71 (2020) 397-404.
4. K. Dermentzis, **K. Karakosta**, C. Chatzichristou. T. Spanos, Removal of Cr(VI) from galvanic effluents by chemical coagulation and electrocoagulation, *Journal of Engineering Science and Technology Review*, (2021).

K. Dermentzis, **K. Karakosta**, A. Agapiou, N. Kokkinos, S. Mitkidou, M. Stylianou, Photovoltaic-driven electrochemical remediation of drilling fluid wastewater with simultaneous hydrogen production, *Journal for a Sustainable Circular Economy (WM&R)*, (July 2022)

International Conferences

5. R. Kosheleva, **K. Karakosta**, K. Dermentzis, Hydrogen harvesting and phthalocyanine dye wastewater remediation by continuous electrocoagulation, *Young Chemist Summit 2020*, 21-23 Sept. 2020, Innsbruck, Austria.
6. K. Dermentzis, **K. Karakosta**, Ch. Chatzichristou, Th. Spanos, Removal of chromium (VI) from galvanic effluents by chemical coagulation and electrocoagulation, *MONITOX Int. Conf. Environmental Toxicants in Freshwater and Marine Ecosystems in the Black Sea Basin*, 8-11 sept. 2020, Kavala, Greece.
7. K. Dermentzis, N. Kokkinos, **K. Karakosta**, D. Marmanis and V. Diamantis, Remediation of phenol bearing wastewater by photovoltaic electrooxidation process, *18th Austrian Chemistry Days 2019*, 24-27 Sept. 2019, Linz, Austria.
8. D. Marmanis, K. Dermentzis, **K. Karakosta**, K. Marmani, V. Diamantis, Treatment of animal by-products by combined anaerobic digestion and electrooxidation, *International Conference on Sustainable Bio-waste Treatment*, 5-6 Dec. 2019, Limassol, Cyprus.
9. **K. D. Karakosta**, E.P. Favvas, E.P. Kouvelos, N.C. Kokkinos, R. Nickolov, A.Ch. Mitropoulos, A Study of Domain Theory on Vycor Glass, 6th PanHellenic Symposium on Porous Media, 2013, Kavala, Greece.
10. Thomas Spanos, Apostolos Papadopoulos, Christina Chatzixristou, **Kokkoni Karakosta**, Water quality evaluation by chemometrical approaches. 1st International Symposium on Applied Physics-Materials Science, Environmental and Health (ISAP1), Annals of the Dunarea de Jos University of Galaty, (2009).
11. K. Dermentzis, **K. Karakosta**, N. Kokkinos, S. Mitkidou, M. Stylianou, A. Agapiou, Photovoltaic driven electrochemical Remediation of Drilling Fluid Wastewater with simultaneous Hydrogen Production, *8th International Conference on Sustainable Solid Waste Management*, 21-26 June 2021, Thessaloniki, Greece (*accepted*).

Greek Conferences:

12. K. Dermentzis, N. Kokkinos, **K. Karakosta**, D. Marmanis and V. Diamantis, Electrochemical removal of cadmium by capacitive deionization on nanoporous carbon electrodes, *7^o Environmental Conference of Macedonia 29 Octob.-1 November. 2020, Thessaloniki, Greece.*