CURRICULUM VITAE

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CONTACT INFORMATION

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EDUCATION

- **BEng in Petroleum Engineering**, School of Technological Applications, Technological Educational Institute of Kavala, 1987
  - Diploma Thesis: *Catalytic Pyrolysis – Reactions and Mechanisms of Catalytic Systems*
- **MSc in Chemistry**, Department of Chemistry, School of Science, National and Kapodistrian University of Athens, 2008
  - Master's Thesis: *Homogeneous Partial Hydrogenation of Methyl Esters from Selected Vegetable Oils (Sunflower, Soy) Catalyzed by Rhodium-Sulfonated Triphenylphosphite Complexes*

PROFESSIONAL EXPERIENCE

- "TECHNIKI AE", 09/1987–07/1998 and 11/1998–12/1998
- "ASFALTIKI KAVALAS EPE", 08/1998–11/1998
- "AE TSIMENTA TITAN", 06/1999–08/1999

ACADEMIC EXPERIENCE

- **TEI of Eastern Macedonia & Thrace (TEI AMTH)**, Lecturer of Applications (10/1999–05/2019)
  - Courses:
    - Chemistry and Technology of Petroleum (Lab)
    - Chemistry and Technology of Fuels (Lab)
    - Chemistry and Technology of Petroleum Products (Lab)
    - Chemistry and Technology of Natural Gas (Lab)
    - Special Chemical Engineering I & II (Lab & Practice)
    - Environmental Protection (Lab)
- **DIPAE**, Lecturer of Applications (06/2019–03/2024)
  - Courses:
    - Organic Chemistry I & II (Lab)
    - Chemistry and Technology of Petroleum & Natural Gas (Lab)
    - Chemistry and Technology of Fuels and Lubricants (Lab)

- **Democritus University of Thrace (DUTH)**, Lecturer of Applications (03/2024–Present)
  - Courses:
    - Organic Chemistry I & II (Lab)
    - Chemistry and Technology of Petroleum & Natural Gas (Lab)
    - Chemistry and Technology of Fuels and Lubricants (Lab)
    - Industrial Catalysis Laboratory (Lab)

RESEARCH EXPERIENCE

- Participation in multiple national and industry-funded projects (2004–2021) on topics including:
  - Heavy metal removal from industrial and municipal wastewater using marine algae
  - Biodiesel production and optimization from vegetable oils and microalgae
  - Carbon lifecycle assessment and quality control of biodiesel
  - Fuel quality assurance for ELINOIL storage tanks

TRAINING & WORKSHOPS

- Delivered industrial training sessions for operators in petroleum and gas production (2012–2021)
- Specialized courses on Natural Gas in collaboration with TAP Project and Bodossaki Foundation

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SELECTED PUBLICATIONS

Peer-reviewed international journals:

1. Nikolaou N., Papadopoulos Ch.E., Lazaridou A., Koutsoumba A., Bouriazos A., Papadogianakis G., *Partial Hydrogenation of Methyl Esters of Sunflower Oil Catalyzed by Highly Active Rhodium Sulfonated Triphenylphosphite Complexes*, Catalysis Communications, 10, 2009, 451–455.
2. Kokkinos N., Lazaridou A., Nikolaou N., Papadogianakis G., Psaroudakis N., Chatzigakis A.K., Papadopoulos Ch.E., *Hydrogenation of a Hydroformylated Naphtha Model Catalyzed by Ru/TPPTS Complex in Aqueous Media*, Applied Catalysis A: General, 363(1–2), 2009, 129–134.
3. Papadopoulos Ch.E., Lazaridou A., Koutsoumba A., Kokkinos N., Christoforidis A., Nikolaou N., *Optimisation of Cotton Seed Biodiesel Quality Through Modification of FAME Composition by Selective Homogeneous Hydrogenation*, Bioresource Technology, 101, 2010, 1812–1819.

   4–13. [Additional journal publications spanning 2011–2025 in areas of biodiesel production, wastewater treatment, and renewable fuels.]

Peer-reviewed international conferences:

1. Kokkinos N.C., Lazaridou A., Papadopoulos Ch.E., et al., *Environmentally Friendly Refinery Processes of Naphtha Olefins*, CEN2011, Shanghai, China.
2. Kokkinos N.C., Lazaridou A., Papadopoulos Ch.E., et al., *Aqueous Biphasic Hydrogenation of Aldehydes in Naphtha*, University of Zilina, Slovakia, 2012.

   3–5. [Additional international conference presentations 2014–2015]

Electronic and national publications:

- Lazaridou A., Christoforidis A., Sachinidis S., *Soil Remediation Processes for Lead Pollution*, CVP Physics Journal, 2010

EDUCATIONAL & SUPERVISORY WORK

- Developed laboratories in Petroleum Chemistry & Technology and Biofuels Chemistry & Technology
- Designed and supervised >50 undergraduate theses in relevant subjects
- Authored lab manuals and educational materials for courses in fuels, petroleum products, and biofuels