

**GERASIMOS KANELLOS – CHEMICAL ENGINEER, M.Eng., M.Sc., Ph.D.****PERSONAL DETAILS**

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**EDUCATION**

<b>10/2020 – 03/2025</b>	<b>DOCTORAL DEGREE (PH.D.) - UTILIZATION OF ANAEROBIC AND BIO-ELECTROCHEMICAL TECHNOLOGIES FOR WASTE VALORIZATION AND BIOGAS UPGRADING / SCHOOL OF CHEMICAL ENGINEERING, NTUA.</b> ( <a href="#">Link</a> ) <i>[Research Scholarship from the H.F.R.I. within the framework of its 3rd Call for Ph.D. Fellowships].</i> ( <a href="#">Link</a> )
04/2022 – 03/2025	
<b>09/2017 – 09/2019</b>	<b>MASTER OF SCIENCE (M.SC.) – SUSTAINABLE ENERGY TECHNOLOGY: SOLAR-STORAGE-BIOMASS / FACULTY OF ELECTRICAL ENGINEERING, MATHEMATICS AND COMPUTER SCIENCE, DELFT UNIVERSITY OF TECHNOLOGY (TU DELFT).</b> ( <a href="#">Link</a> )
<b>09/2011 – 02/2017</b>	<b>INTEGRATED MASTER OF ENGINEERING (M.ENG.) / SCHOOL OF CHEMICAL ENGINEERING, NTUA.</b> ( <a href="#">Link</a> )
<b>09/2008 – 06/2011</b>	<b>HIGH SCHOOL DIPLOMA / PSYCHIKO COLLEGE (ARSAKEIO PSYCHIKOU).</b>

**WORK EXPERIENCE**

<b>04/2025 – PRESENT</b>	<b>POSTDOCTORAL RESEARCHER (RESEARCH ASSOCIATE) - CHEMICAL ENGINEER / NTUA</b>
01/2026 – PRESENT	<i>SAFETOUGH: Self-disinfecting, smart microfilms for healthcare &amp; community acquired infections) is a project funded by the European Union's Horizon Europe research and innovation programme under Grant Agreement number 101185759.</i> ( <a href="#">Link</a> )
04/2025 – 12/2025	<i>GREENUPGRADE: Valorization of green energy for enhancing the robustness and upgrading the performance of anaerobic digestion systems. Project Code: 61401400-15522, H.F.R.I., "Funding of Basic Research – Funding of Projects in Cutting-Edge Domains," National Recovery and Resilience Plan (Greece 2.0).</i> ( <a href="#">Link</a> )
<b>08/2025 – 11/2025</b>	<b>QUALITY CONTROL LABORATORY ANALYST - CHEMICAL ENGINEER / NTUA</b>
	<i>"Analysis, processing, and valorization of organic waste."</i>
<b>10/2020 – 03/2025</b>	<b>RESEARCH PERSONNEL (JUNIOR RESEARCHER) - CHEMICAL ENGINEER / NTUA</b>
04/2024 – 03/2025	<i>GREENUPGRADE: Valorization of green energy for enhancing the robustness and upgrading the performance of anaerobic digestion systems. Project Code: 61401400-15522, H.F.R.I., "Funding of Basic Research – Funding of Projects in Cutting-Edge Domains," National Recovery and Resilience Plan (Greece 2.0).</i> ( <a href="#">Link</a> )
04/2023 – 02/2024	<i>SYMSITES - Industrial Urban Symbiosis and its Social, Economic and Environmental Impact on Different European Regions, Project Code: 63245000, Research and Innovation Council Special Account for Research Funds (ELKE).</i> ( <a href="#">Link</a> )
10/2020 – 02/2023	<i>PHOTOREC: Integrated management of photovoltaics targeting maximum material recovery, Project Code: 503187, Single State Aid Action for Research, Technological Development and Innovation "RESEARCH – CREATE – INNOVATE," Operational Programme Competitiveness, Entrepreneurship, Innovation (EPANEK), co-funded by the European Union Structural Funds (ESPA) 2014-2020.</i> ( <a href="#">Link</a> )
01/2021 – 12/2021	<i>DENOMINATE: Development of a Novel concept for Integrated Management of Municipal Wastewater and Biowaste, Project Code: 61509400, H.F.R.I.</i> ( <a href="#">Link</a> )
10/2020 – 12/2020	<i>HORIZON2020 – WASTE4THINK: Moving towards Life Cycle Thinking by integrating Advanced Waste Management Systems, Project Code: 688995, H.F.R.I. &amp; General Secretariat for Research and Technology (GSRT).</i> ( <a href="#">Link</a> )
<b>09/2018 – 09/2019</b>	<b>RESEARCH &amp; DEVELOPMENT ENGINEER / AQUABATTERY B.V., LEIDERDORP, NETHERLANDS.</b> ( <a href="#">Link</a> )
<b>10/2015 – 12/2015</b>	<b>INTERNSHIP / PUBLIC POWER CORPORATION (PPC S.A.), ATHENS, GREECE – TESTING, RESEARCH &amp; STANDARDS CENTER (TRSC), ANALYTICAL CHEMISTRY (<a href="#">Link</a>) &amp; FUELS / LUBRICANTS LABORATORIES.</b> ( <a href="#">Link</a> )

**TEACHING EXPERIENCE**

<b>03/2025 – 06/2025</b>	<b>Service Contracts / NTUA</b>
<b>&amp; 09/2022 - 12/2022</b>	<i>pertaining to assisting faculty members in student exercises, conducting tutorials, laboratory sessions, exam supervision, and assignment grading.</i>
<b>06/2021 – 09/2021</b>	<b>Teaching Assistantship Scholarship / NTUA</b>
	<i>within the framework of the "Support of the educational activities of Higher Education Institutions during the academic year 2020-2021 through the integration of supplementary instruction in addition to core lectures" action (EDBM143) of the Operational Programme "Human Resources Development, Education and Lifelong Learning 2014-2020".</i>

**CERTIFICATIONS & SKILLS**

- **TEACHING EXPERIENCE CERTIFICATE, NTUA.**
- **ANALYTICAL INSTRUMENT TRAINING CERTIFICATIONS:** GC (FID & TCD), HPLC, TOC, CALORIMETRY, XRD, XPS, PVD-DC SPUTTERING.
- **COMPUTER LITERACY & PC PROFICIENCY CERTIFICATE, NTUA.**
- **SOFTWARE:** MICROSOFT OFFICE SUITE (WORD, EXCEL, POWERPOINT, VISIO), ORIGINPRO, ASPEN PLUS/HYSYS, FORTRAN, MATLAB/SIMULINK, COMSOL MULTIPHYSICS, AQUASIM, IBM SPSS, AUTOCAD, ALOHA, HTML, ADOBE PHOTOSHOP CC.