

# FOROPA Expert Database on Biomass and Biomass Supply Chains

<b>Name and Surname</b>	Dr. Nikolaos Margaritis	
<b>Field of expertise</b>	<ul style="list-style-type: none"><li>▪ Internal combustion engines</li><li>▪ Catalytic converters for gasoline and diesel engines</li><li>▪ NOx traps for lean burn engines</li><li>▪ CFD modeling</li><li>▪ Biomass and bioenergy</li></ul>	
<b>Recent employment</b>	Research Associate at Centre for Research & Technology Hellas / Chemical Process and Energy Resources Institute (CERTH/CPERI)	
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<b>Languages</b>	English	
<b>Main references</b>	<p>Nikolaos Margaritis, (Dr. Mech. Eng AUTH), is a research associate at the Chemical Process &amp; Energy Resources Institute / Centre for Research &amp; Technology (CERTH/CPERI) since 2010. As a Phd candidate (2003-2009) he has participated in research programmes funded by European Commission or private sector on behalf of Laboratory of Applied Thermodynamics (AUTH). He is an expert in designing, operating experimental facilities, CFD modelling and chemical characterization of solid biofuels.. He is also experienced in internal combustion engines and modelling of exhaust after-treatment devices. As a research associate at CERTH/CPERI he is involved in international projects like DEBCO– Demonstration of Large Scale Biomass Co-firing and Supply Chain Integration (FP7EN, 2008-2012) and BIOCLUS – Developing research and innovation environment in the field of sustainable use of biomass resources, (FP7/ Regions of Knowledge, 2009-2012). He has also participated in FP7 RESOLVE, concerning utilization of oil processing residues for energy purposes while now is also involved in FP7 BIOMAXEFF for Cost efficient biomass boiler systems with maximum annual efficiency and lowest emissions and PROFORBIOMED concerning the promotion of residual forestry biomass in the Mediterranean basin. Good publication record in scientific journals, international conferences, workshops and seminars.</p>	