


<p>Όνοματεπώνυμο:</p>	<p>Stimoniaris Adam</p>	
<p>Ειδικότητα/Θέση:</p>	<p>Chemist - Assistant Professor, Department of Chemical Engineering, UOWM.</p>	
<p>Σύντομο Βιογραφικό:</p>	<p>Adam Stimoniaris is a lecturer at the Faculty of Engineering of the University of Western Macedonia (UOWM) and is an Assistant Professor in the Chemical Engineering Department of the UOWM, with the subject: Hybrid polymeric systems with carbon and ash nanofillers for applications of anti-pollution technologies.</p> <p>He acquired his Chemistry degree from the Department of Chemistry (School of Science) of the University of Ioannina in 1984 and Master's degree in Chemical Technology in 2005. He was awarded a PhD in Material Science-Nanotechnology at the Department of Materials Science and Engineering (School of Engineering) of the University of Ioannina (2018).</p> <p>His research activity focuses on the areas of: (a) synthesis of advanced and nanocomposite materials (polymeric matrix materials with carbon-based micro- and nanoparticle fillers, layered materials, fly ash etc.), (b) synthesis of hybrid nanocomposites and characterization with dynamic-mechanical, thermal and electrical methods and (c) natural oligomers applications in antifouling technology.</p> <p>His scientific work has been published in 15 articles in international scientific journals and presented in more than 50 articles in proceeding international and national conferences.</p> <p>He is head of the Nanomaterials Sector at the Environmental Engineering Laboratory of the Chemical Engineering Department (UOWM). He has been a member of the Hellenic Adult Education Association (HAEA) since 2010 and has been elected member of the board of directors of the Hellenic Society for Thermal Analysis (HSTA) and member of the Scientific Union since 2007.</p>	
<p>Δημοσιεύσεις 2017-2022 (έως πέντε)</p>	<ol style="list-style-type: none"> 1. D. Ziouzos, N. Baras, V. Balafas, M. Dasygenis, A. Stimoniaris, "Intelligent and Real-Time Detection and Classification Algorithm for Recycled Materials Using Convolutional Neural Networks", Recycling, vol. 7, 1, 2022, p.p. 9. 2. Stimoniaris, A., Skoura, E., Gournis, D., Karakassides, M., Delides, C., "Structure and Properties of Epoxy/Fly Ash System: Influence of Filler Content and Surface Modification", Journal of Materials Engineering and Performance, vol. 28, 8, 2019, pp. 4620-4629. 3. C. Tsanaktsidis, A. Stimoniaris, S. Bousios, K. Spinthiropoulos, G. Tzilantonis, A. Scaltsoyiannes, "Effect study of modulation of molecules of natural resin from Black and Halepensis Pinus in the removal of humidity from diesel fuel", Petroleum Science and Technology, vol.36, 17, 2018, p.p. 1332-1339. 4. C.G. Tsanaktsidis, A.Z. Stimoniaris, S.A. Bousios, G. Tzilantonis, A.A. Scaltsoyiannes, M. Taktisira and A.V. Scaltsoyiannes, "Improvement of the physicochemical properties of distilled products of petroleum (Diesel, JP-8) and mix Diesel-Biodiesel by using European Black Pine oleoresin", Journal of Environmental Protection, vol. 7, No 5, 2016, p.p. 583-590. 5. C.A. Stergiou, A.Z. Stimoniaris and C.G. Delides, "Hybrid Nanocomposites With Organoclay and Carbon-Based Fillers for EMI Suppression", IEEE Transactions on Electromagnetic Compatibility, vol. 57, issue 3, 7006801, 2015, p.p. 470-476. 	
<p>Ερευνητικά Προγράμματα 2017-2022 (έως πέντε)</p>	<ol style="list-style-type: none"> 1. Integration of Green Transport in Cities – Green Inter-e-mobility, Interreg – IPA CBC "Greece– Republic of North Macedonia" (2022). 2. Development of new Catalysts for Efficient De-NO_x Abatement of Automobile Exhaust Purification, Greece – China Cooperation, European Fund for Regional Development (2020). 3. Polymeric NanoComposites filled with Carbon NanoParticles with/or Industrial By-products, E.L.K.E. TEI WM (2019-2020). 4. Supporting eco-innovations towards international markets – SUPER, INTERREG EUROPE (2018-2021). 5. Preparation and properties study of polymer composites with fly ash, E.L.K.E. TEIWM (2016-2018). 	