

**Horizon 2020
Marie Skłodowska Curie Actions
PROFILE FORM**

Organization Name / Department	Selcuk University, Department of Chemistry	Organization Short Name	SU
Organization Type	<input checked="" type="checkbox"/> University <input type="checkbox"/> Public Research Centre <input type="checkbox"/> Large Scale Enterprise <input type="checkbox"/> Small and Medium Scale Enterprise	<input checked="" type="checkbox"/> Public Body <input type="checkbox"/> International NGO <input type="checkbox"/> National NGO	
Research Fields	<input checked="" type="checkbox"/> Chemistry CHE <input type="checkbox"/> Social and Human Sciences SOC <input type="checkbox"/> Economic Sciences ECO <input type="checkbox"/> Information Science and Engineering ENG <input type="checkbox"/> Environment and Geosciences ENV <input type="checkbox"/> Life Sciences LIF <input type="checkbox"/> Mathematics MAT <input type="checkbox"/> Physics PHY	<u>Sub-Fields / Keywords:</u> Self-assembly Nanochemistry Membrane technology Nanoparticles Polymer synthesis	
Short Description of the Organization / Department	<p>Selcuk University (SU) is one of the biggest universities located in the central of Anatolia, Turkey, currently has 1100 full-time faculty members, 1500 research staff. Its main objective has always been focused on education and training of highly component professionals in various fields and has been in the top list of the frame of entrepreneurship and innovation universities. It is aimed to be a well known university globally within the 500 top universities according to Strategic Roadmap (2014-2018) SU. For this, it has been decided to integrate the European Research area (ERA) with the Higher Education area in Europe.</p> <p>SU has Advanced Technology Research and Application Centre (ILTEK) was established in order to serve for scientific and technological research at SU, to conduct interdisciplinary projects, to maintain the coordination of the R&D activities, directed to technology production primarily on the strategic technology fields. In addition, it was aimed to conduct multidisciplinary research and joint projects about the subjects on which industry of the region needs.</p>		
Previous Related Projects / Research Experience	<ul style="list-style-type: none"> • H2020-MSCA-RISE-2017 "NanoFeed; Nanostructured carriers for improved cattle feed • FP7-NMP, Large Area Molecularly Assembled Nanopattern for Devices (LAMAND) (http://web.tyndall.ie/projects/lamand/Staff.htm), • FP7-INFRA-2012, The European Solar Infrastructure for Concentrated Solar Power (EU-SOLARIS) (http://eusolaris.eu/About/Partners.aspx) • FP7-SME-2012-"Enhanced Chitin-Based Biosorbents for Drinking Water Purification "ChitoClean" (http://www.chitoclean.eu/) • FP7-SME-2013 "'Ingredients for Food and Beverage Industry from a Lignocellulosic Source (LIGNOFOOD) (http://www.lignofood.eu/partners.html) • Universal Nanotechnology Skills Creation and Motivation Development 2016-1-TR01-KA203-034520, Erasmus+ • Continuous Vocational Training For Innovation in SMEs 2013-1-IT1-LEO04-04203 7, Program Leonardo da Vinci, Lifelong learning (2013-2015) 		
Short Description of the Project idea (if foreseeable)	<p>Nanopore structured membranes by design (NanoPORE) project aims to develop intersectorial cooperation to deliver nanopore structured membranes by design based on self-assembled blockcopolymers which can be formed a controlled nanopores and selectivity. The challenge is to develop a nanostructured pores, cost effective and performance for membranes. These limitations can be directly related to the membrane used. In particular, advances in the design and fabrication of nanoporous surfaces and membranes are expected to open up new opportunities for the development of membrane technology. Nanoporous polymer membranes derived from self-assembling block copolymers are will be focus for this project. This will require to fabricate nanoporous materials with well defined morphology, pore size and</p>		

	distribution, porosity, and surface chemistry
What's needed?	We are looking for SME partners.
Related Call	H2020-MSCA
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