

Code B_2747

Department	Chemical and Geological Science
UniCa reference person	Maria Giorgia Cutrufello
Project title in English	Heterogeneous catalytic and photocatalytic processes for energetic and environmental applications
Project title in Italian	Processi catalitici e fotocatalitici eterogenei per applicazioni energetiche e ambientali
Subject area of reference (World University Ranking)	PHYSICAL SCIENCES (inc. Mathematics, Chemistry, Geology, Earth & Marine Sciences)
Project summary and VPS' profile	<p>The project consists of scientific discussions and seminars or lectures in the field of heterogeneous catalysis and photocatalysis.</p> <p>Complementarity in the expertise of the VPS and the UniCa Industrial Chemistry research group and in the available instrumentation/techniques will be the basis for a future collaboration in the field of heterogeneous catalysis.</p> <p>The VPS is also expected to support the UniCa Industrial Chemistry research group in the setup of simple photocatalytic laboratory plants, so that the activity of the UniCa researchers in the field of heterogeneous catalysis for sustainable industrial processes could be further developed. During the stay of the VPS, the discussion on tentative joint proposal within forthcoming European – or anyway international – programs will also be scheduled.</p> <p>Seminars/lectures on Heterogeneous Photocatalysis for Energy and Environmental Applications will be specifically organized for students of 2nd cycle University Degree (LM Scienze Chimiche) and of PhD Courses (especially – but not only – Scienze e Tecnologie Chimiche), but this topic could be of great interest also for researchers from UniCa.</p> <p>The VPS should be an expert researcher in heterogeneous catalysis and photocatalysis. In particular, he/she should have documented expertise in the development of solid catalysts to be utilized in processes for energy and environmental applications. Expertise in characterization techniques for solid catalysts is also required.</p>
Proposed length of stay	Short visit of 6 days
Expected period of activity	May-June 2024
Academic I position of the VPS'	Researcher
Course of Study	Laurea magistrale (2nd cycle University Degree), Dottorato di ricerca (PhD Course)
Language of instruction	English