

**STSM report for the grant periods 01/11/2021 – 31/10/2022  
and 01/11/2022 – 31/10/2023 (24 months)**

**Statistics:**

Inclusiveness Target Country (ITC) – 12 per 21 Applicants

Young Researcher (YR) – 17 per 21 Applicants

Gender (G) Balance – 8 Female/ 13 Male Applicants.

**List of Grant Applications:**

(Individual STSM Reports are attached at the end of this document with the number indicated in this list)

	<b>Applicant Name</b>	<b>Home Institution</b>	<b>Host Institution</b>	<b>Title</b>	<b>STSM period</b>	<b>ITC</b>	<b>YR</b>	<b>G</b>	<b>Paid (€)</b>	<b>Remarks</b>
1.	Alex Laikhtman	Holon Institute of Technology (HIT) (Holon, Israel)	Reykjavik University (Reykjavik, Iceland)	Surface and plasma treatments of multilayer porous nanoparticles of WS <sub>2</sub> and MoS <sub>2</sub> for enhancement of their adsorption and adhesion properties.	07/09/2022 - 21/09/2022	No	No	M	2000	Completed
2.	Chantelle Spiteri	King's College London (London, United Kingdom)	Institute Charles Gerhardt Montpellier (Montpellier,	Fabrication of functionalised porous silicon nanoparticles for mRNA delivery.	12/09/2022 - 07/10/2022	No	Yes	F	2000	Completed

			France)							
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	<b>Applicant Name</b>	<b>Home Institution</b>	<b>Host Institution</b>	<b>Title</b>	<b>STSM period</b>	<b>ITC</b>	<b>YR</b>	<b>G</b>	<b>Paid (€)</b>	<b>Remarks</b>
3.	Diogo Esteves Pereira	Universidade de Aveiro (Aveiro, Portugal)	Institute of Science and Technology of Carbon (INCAR-CSIC) (Oviedo, Spain)	Characterization and testing of waste-based magnetic activated carbon materials.	17/10/2022 - 28/10/2022	Yes	Yes	M	1850	Completed
4.	Érika Maria Leite de Sousa	Universidade de Aveiro (Aveiro, Portugal)	Institute of Science and Technology of Carbon (INCAR-CSIC) (Oviedo, Spain)	Characterization and testing of spent brewery grains-adsorbent materials	17/10/2022 - 28/10/2022	Yes	Yes	F	1850	Completed
5.	Josep Ferré i Borrull	Universitat Rovira i Virgili (Tarragona, Spain)	University of California San Diego - Materials Research Science and Engineering Center (San Diego, US)	Participation as Lecturer at the Summer School on Porous Materials at UC San Diego and Prospective Contacts with Faculty Members	29/07/2022 - 09/08/2022	No	No	M	2000	Completed

	<b>Applicant Name</b>	<b>Home Institution</b>	<b>Host Institution</b>	<b>Title</b>	<b>STSM period</b>	<b>ITC</b>	<b>YR</b>	<b>G</b>	<b>Paid (€)</b>	<b>Remarks</b>
6.	Joana Daniela Ferreira Gonçalves	University of Aveiro (Aveiro, Portugal)	Department of Biomedical Engineering, University Medical Center Groningen (Groningen, Netherlands)	Biological characterization of chitosan-based scaffolds for simultaneous cancer treatment and bone tissue regeneration	01/09/2022 - 31/10/2022	Yes	Yes	F	2000	Completed
7.	Jana Pisk	Faculty of Science, Chemistry Department (Zagreb, Croatia)	Université Paul Sabatier – IUT Paul Sabatier - Chemistry Dept (Castres Cedex, France)	Application of porous and nonporous materials based on transition metal oxides in oxidation reactions	23/10/2022 - 29.10.2022	Yes	Yes	F	1000	Completed
8.	Jéssica Daniela Carvalho dos Santos	CICECO— Aveiro Institute of Materials (Aveiro, Portugal)	Center for Food Technology and Packaging at ZHAW School of Life Sciences and Facility Management (Wädenswil, Switzerland)	Biodegradable potato starch-based films integrated with porous clay composites for active fruit packaging applications	15/05/2022 - 16/06/2022	Yes	Yes	F	2000	Completed

	<b>Applicant Name</b>	<b>Home Institution</b>	<b>Host Institution</b>	<b>Title</b>	<b>STSM period</b>	<b>ITC</b>	<b>YR</b>	<b>G</b>	<b>Paid (€)</b>	<b>Remarks</b>
9.	Olena Okhay	University of Aveiro (Aveiro, Portugal)	Electrochemistry Group at the Faculty of Chemistry, Jagiellonian University (Kraków, Poland)	Development and characterization of composite electrodes based on porous graphene materials for energy storage devices.	14/10/2022 - 24/10/2022	Yes	No	F	1300	Completed
-	Kamran Ali Syed	INSTITUT RUĐER BOŠKOVIĆ (Zagreb, Croatia)	Helmholtz-Zentrum Dresden-Rossendorf (HZDR) (Dresden, Germany)	Focused ion beam (noble ion gas) induced metal oxide porous NWs formation.	01/06/2022 - 20.06.2022	Yes	Yes	M	-	Grant cancelled at the request of the Applicant
10.	Hanna Sopha	University of Pardubice, Faculty of Chemical Technology (Pardubice, Czechia)	University of Erlangen-Nuremberg (Erlangen, Germany)	Single-atom-based nanotubular photocatalysts for photocatalytic water splitting	15/02/2023 - 16/03/2023	Yes	Yes	F	2000	Completed
11.	Fernando de Sá	CICECO - Aveiro Institute of Materials (Aveiro, Portugal)	Instituto de Ciencia de Materiales de Barcelona (ICMAB-CSIC) (Barcelona, Spain)	Porous bacterial nanocellulose as a platform for functional piezoelectric films	17/04/2023 - 17/05/2023	Yes	Yes	M	2000	Completed
12.	Sofia Caspani	FCUP-IFIMUP (Porto, Portugal)	UAM (Madrid, Spain)	Magnetic nanostructures grown in nanoporous alumina templates for biotechnological applications	28/05/2023 - 07/06/2023	Yes	Yes	F	830	Completed
13.	Francisco Carvalho	FCUP-IFIMUP (Porto, Portugal)	UAM (Madrid, Spain)	Magnetic nanostructures grown in nanoporous alumina templates for	28/05/2023 -	Yes	Yes	M	830	Completed

		Portugal)		biotechnological applications	07/06/2023					
14.	Arie Borenstein	Azrieli College of Engineering Jerusalem (Jerusalem, Israel)	Imperial College London (London, GB)	Investigation of Porous Ni:Fe OOH and MoS <sub>2</sub> Co-catalysts for Enhanced Photoelectrochemical Water Splitting	19/06/2023 – 13/07/2023	No	No	M	1550	Completed
15.	Akash Bachhuka	Universitat Rovira i Virgili Tarragona (Tarragona, Spain)	University of Queensland (Brisbane, Australia)	Short Research Visit	31/07/2023 – 29/08/2023	No	Yes	M	2000	Completed
16.	Francisco Javier Fernandez-Alonso	Universidad Autónoma de Madrid (Madrid, Spain)	Institute of Physics for Advanced Materials, Nanotechnology and Photonics. University of Porto (Porto, Portugal)	Development of functional nanostructures based on the infiltration of TMDs into porous silicon	04/09/2023 – 14/10/2023	No	Yes	M	2000	Completed
-	Muhammad Taha Sultan	Reykjavik University (Rekjavik, Iceland)	National Hellenic Research Foundation (Athens, Greece)	Synthesis and characterization of periodically arranged Silicon-Nanowires for their application in respiratory sensing	15/09/2023 – 22/09/2023	No	Yes	M	900	Grant cancelled at the request of the Applicant
-	Chenlei Gu	Centre for Craniofacial & Regenerative Biology (London, GB)	Monash University (Melbourne, Australia)	Engineering Porous Silicon Nanoneedles for Surface Assisted Laser Desorption Ionization Mass Spectrometry Imaging of Tissue Repl	18/09/2023 – 13/10/2023	No	Yes	M	2000	Grant cancelled at the request of the Applicant
17.	Jafar Guliyev	Institute of	University of	Obtaining pores and nanotubes	19/09/2023	Yes	Yes	M	950	Completed

		Physics (Baku, Azerbaijan)	Pardubice, Faculty of Chemical Technology (Pardubice, Czechia)	and the electrochemical deposition of various metals and semiconductors inside the pores	– 26/09/2023					
18.	Paul Ganigal	ICGM (Montpellier, France)	Lumilab, Ghent University (Ghent, Belgium)	Porous PERsistent Luminescence (PERL) nanoparticles for photodynamic therapy (PDT)	18/10/2023 – 31/10/2023	No	Yes	M	1150	Completed