

STSM report for the grant periods 01/11/2022 – 31/10/2024 (36 months)

Statistics:

Inclusiveness Target Country (ITC) – 21 per 39 Applicants

Young Researcher (YR) – 31 per 39 Applicants

Gender (G) Balance – 17 Female/ 22 Male Applicants.

List of Grant Applications:

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

	Applicant Name	Home Institution	Host Institution	Title	STSM period	ITC	YR	G	Paid (€)	Remarks
1.	Alex Laikhtman	Holon Institute of Technology (HIT) (Holon, Israel)	Reykjavik University (Reykjavik, Iceland)	Surface and plasma treatments of multilayer porous nanoparticles of WS ₂ and MoS ₂ 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, France)	Fabrication of functionalised porous silicon nanoparticles for mRNA delivery.	12/09/2022 - 07/10/2022	No	Yes	F	2000	Completed

	Applicant Name	Home Institution	Host Institution	Title	STSM period	ITC	YR	G	Paid (€)	Remarks
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
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
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
10.	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

11.	Hanna Sopha	University of Pardubice, Faculty of Chemical Technology (Pardubice, Czechia)	University of Erlangen-Nuremburg (Erlangen, Germany)	Single-atom-based nanotubular photocatalysts for photocatalytic water splitting	15/02/2023 – 16/03/2023	Yes	Yes	F	2000	Completed
12.	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
13.	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
14.	Francisco Carvalho	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	M	830	Completed
15.	Arie Borenstein	Azrieli College of Engineering Jerusalem (Jerusalem, Israel)	Imperial College London (London, GB)	Investigation of Porous Ni:Fe OOH and MoS ₂ Co-catalysts for Enhanced Photoelectrochemical Water Splitting	19/06/2023 – 13/07/2023	No	No	M	1550	Completed
16.	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
17.	Francisco Javier Fernandez-Alonso	Universidad Autónoma de Madrid (Madrid, Spain)	Institute of Physics for Advanced Materials, Nanotechnology and	Development of functional nanostructures based on the infiltration of TMDs into porous silicon	04/09/2023 – 14/10/2023	No	Yes	M	2000	Completed

			Photonics. University of Porto (Porto, Portugal)							
18.	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	Cancelled
19.	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	Cancelled
20.	Jafar Guliyev	Institute of Physics (Baku, Azerbaijan)	University of Pardubice, Faculty of Chemical Technology (Pardubice, Czechia)	Obtaining pores and nanotubes and the electrochemical deposition of various metals and semiconductors inside the pores	19/09/2023 – 26/09/2023	Yes	Yes	M	950	Completed
21.	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
22.	Ljiljana Suručić	Univerzitet U Banjoj Luci (Banja Luka, Bosnia & Herzegovina)	Institute of Chemistry, Technology and Metallurgy, University of (Belgrade, Serbia)	Exploring the Binding Potential of Sorption of Tacrines derivatives onto Porous Carbonized Hemp Biomass Waste	04/03/2024 – 14/03/2024	Yes	No	F	1050	Completed

23.	Abdulkadir Sezai SARAC	Istanbul Technical University (Istanbul, Türkiye)	Polymer Institute SAS, Department of Composite Materials (Bratislava, Slovakia)	Electrospun Porous Composite Fibrous Membranes with Metal Oxide Nanofillers for Advanced Applications	05/04/2024 – 19/04/2024	Yes	No	M	1250	Completed
24.	André João Fernandes Aguiar	Faculdade de Ciências da Universidade do Porto (Porto, Portugal)	Autonomous University of Madrid (Madrid, Spain)	Hematite Nanowires Porous Photoanodes with Integration of Au Plasmonic Nanoparticles	05/05/2024 – 12/05/2024	Yes	Yes	M	750	Completed
25.	Aleksandra Gerszendorf	Faculdade de Ciências da Universidade do Porto (Porto, Portugal)	Autonomous University of Madrid (Madrid, Spain)	Photoanodes Based on Hematite Nanoparticles Porous Layers on Flexible Substrates	05/05/2024 – 12/05/2024	Yes	Yes	F	750	Completed
26.	Nima Gorji	Technological University Dublin (Dublin, Ireland)	Military University of Technology of Warsaw (Warsaw, Poland)	Porosity and Microstructure Analysis of TiO ₂ Photocatalytic Coated Glasses for Anti-Soiling Solar Cell Applications	03/06/2024 – 07/06/2024	No	Yes	M	700	Completed
27.	Ana Teresa Silva Cardoso Brandão	UNIVERSIDADE DO PORTO (Porto, Portugal)	Bernal Institute, University of Limerick (Limerick, Ireland)	Renewable carbon materials from fish waste for application as cathodes in lithium-sulfur batteries	08/06/2024 – 15/06/2024	Yes	Yes	F	650	Completed
28.	Gohar Ijaz Dar	Universitat Rovira i Virgili (Tarragona, Spain)	Military University of Technology of Warsaw (Warsaw, Poland)	Advanced nanostructures for photonic biosensors	10/06/2024 – 10/09/2024	No	Yes	M	2000	Completed

29.	Senem Çitoğlu	TOBB University of Economy and Technology (Ankara , Türkiye)	University of Osnabrück (Osnabrück, Germany)	Production of sea urchin-like alumina nanoporous spheres to improve thermal energy storage capacity of phase change materials	16/07/2024 – 16/08/2024	Yes	Yes	F	2000	Completed
30.	Josep Maria Cantons Pérez	Universitat Rovira i Virgili (TARRAGONA, Spain)	University of Adelaide (Adelaide , Australia)	The use of Nanoporous Anodic Alumina for the design and fabrication of biosensors for biomedical applications	31/07/2024 – 31/08/2024	No	Yes	M	2500	Completed
31.	Tabish Aftab	Universitat Rovira i Virgili (TARRAGONA, Spain)	University of South-Eastern Norway (Vestfold, Norway)	Porous Anodic Alumina Nanostructured Electrodes for Energy Storage Applications	12/08/2024 – 31/10/2024	No	Yes	M	2000	Completed
32.	Gunel Aliyeva	Baku State University Llc (Baku, Azerbaijan)	Baku State University (Hacettepe, Türkiye)	Functionalization of graphene oxide nanolayers with benzo[b]thiophene derivatives via non-covalent interactions	21/08/2024 – 11/09/2024	No	Yes	F	1700	Completed
33.	Osbel Almora	Universitat Rovira i Virgili (TARRAGONA, Spain)	Åbo Akademi University (Turku, Finland)	Characterization of perovskite nanowire arrays for solar cells and LEDs	26/08/2024 – 20/09/2024	No	Yes	M	2000	Completed
34.	Josipa Sarjanović	Faculty Of Science University Of Zagreb (Zagreb, Croatia)	Laboratoire de Chimie de Coordination (Castres, France)	Exploring the Influence of Vanadium Oxide Content in Phosphate-based Glass on Linalool Oxidation	16/09/2024 – 21/09/2024	Yes	Yes	F	600	Completed
35.	Zeynab Addayeva	Baku State University Llc (Baku, Azerbaijan)	Yıldız Technical University (Istanbul, Türkiye)	FeGaInS4+GO+PVA polymer composites application for supercapacitors	22/09/2024 – 06/10/2024	No	Yes	F	1250	Completed

36.	Pedro Ouro	University of Aveiro (Aveiro, Portugal)	Ulm University (Ulm, Germany)	Spectroscopic mechanistic studies of carbon dioxide adsorption by metal poly(heptazine imides)	30/09/2024 – 30/10/2024	Yes	Yes	M	2000	Completed
37.	Sofia Gonçalves	Faculdade de Ciências da Universidade do Porto (Porto, Portugal)	Universidade Autónoma de Madrid (Madrid, Spain)	Photoelectrochemical cells Photoanodes Engineering: solar water splitting for green hydrogen production	06/10/2024 – 12/10/2024	Yes	Yes	F	500	Completed
38.	Alex Laikhtman	Holon Institute of Technology (HIT) (Holon, Israel)	Ruđer Bošković Institute (RBI) (Zagreb, Croatia)	Stabilization and properties enhancement of perovskite solar cells by integration of porous multilayer tungsten disulfide nanoparticles	13/10/2024 – 27/10/2024	No	No	M	1650	Completed
39.	Izabela Stępińska	Łukasiewicz Research Network - Tele and Radio Research Institute (Warsaw, Poland)	Instituto Superior Técnico, University of Lisbon (Lisbon, Portugal)	Photocatalytic activity of n-ZnO/p-NiO heterojunction	21/10/2024 – 31/10/2024	Yes	Yes	F	1200	Completed