

STSM report for the grant periods 01/11/2022 – 30/04/2025 (42 months)

Statistics:

Inclusiveness Target Country (ITC) – 31 per 55 Applicants

Young Researcher (YR) – 46 per 55 Applicants

Gender (G) Balance – 28 Female/ 27 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

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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

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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

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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

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17.	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
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

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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 TiO2 Photocatalytic Coated Glasses for Anti-Soiling Solar Cell Applications	03/06/2024 – 07/06/2024	No	Yes	M	700	Completed

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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

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39.	Izabela Stępińska	Łukasiewicz Research Network - Tele and Radio Research Institute (Warsaw, Poland)	Instituto Superior Tecnico, University of Lisbon (Lisbon, Portugal)	Photocatalytic activity of n-ZnO/p-NiO heterojunction	21/10/2024 – 31/10/2024	Yes	Yes	F	1200	Completed
40.	Fernando de Sá	University of Aveiro (Aveiro, Portugal)	Conway Institute - University College (Dublin, Ireland)	Piezo response microscopy for the analysis of the second harmonic of porous bacterial cellulose composite films with zinc oxide	15/02/2025 – 31/03/2025	Yes	Yes	M	1800	Completed
41.	Tiago Fernando Teixeira Morais	University of Aveiro (Aveiro, Portugal)	Polish academy of sciences (Łódź, Poland)	Synthesis of fluorinated periodic mesoporous organosilicas for carbon dioxide adsorption studies	03/03/2025 – 24/03/2025	Yes	Yes	M	1500	Completed
42.	Antía Santiago Alonso	universidade de santiago de compostela (Santiago de Compostela, Spain)	Universidade do Porto (Porto, Portugal)	Carbon Black-Metal Composite Electrodes for High-Performance Energy Storage Devices	23/03/2025 – 22/04/2025	No	Yes	F	1650	Completed

43.	Cristina Rodriguez Carrillo	Universitat de Valencia (Valencia, Spain)	National University of Science and Technology POLITEHNICA (Bucharest, Romania)	Antimicrobial films based on hydroxyethyl cellulose, UVM-7 and cinnamon essential oils for emerging food packaging and healthcare-related applications	01/04/2025 – 30/04/2025	No	Yes	F	1850	Completed
44.	Emilie Lambert	Universite De Montpellier (Montpellier, France)	University of Arizona, College of Medicine-Phoenix, US	Study of therapeutic effects of 2-photons controlled gene delivery with nanoparticles in uveal melanoma using organoids-on-chip model	03/04/2025 – 26/04/2025	No	Yes	F	2200	Completed
45.	Zeynab Addayeve	Baku State University Llc (Baku, Azerbaijan)	Gazi University (Ankara, Türkiye)	Effects of Gamma Radiation on the Structural and Physical Properties of PVA/FeGaInS ₄ Polymer Composites	05/05/2025 – 19/05/2025	No	Yes	F	1110	Awarded
46.	Ewelina Białek	Wojskowa Akademia Techniczna Im.jaroslawa Dabrowskiego (Warsaw, Poland)	Universitat Rovira I Virgili (Tarragona, Spain)	Tamm plasmon resonance in photonic crystals based on porous anodic alumina	19/05/2025 – 18/07/2025	Yes	Yes	F	2000	Awarded
47.	Burak Bal	Abdullah Gul University (Kayseri, Türkiye)	Reykjavik University (Reykjavik, Iceland)	Fabrication and characterization of nanoporous materials/metal oxides for advanced sensing applications	23/05/2025 – 31/05/2025	Yes	Yes	F	900	Awarded
48.	Beatriz Ferreira	Universidade de Aveiro (Aveiro, Portugal)	University Medical Center of Groningen (Groningen, Netherlands)	Biological Evaluation of Porous Chitosan-Based Scaffolds with Zinc Oxide for Piezoelectric-Enhanced Bone Tissue Regeneration	01/07/2025 – 31/08/2025	Yes	Yes	F	2000	Awarded

49.	Mahdi Gassara	Basque Centre For Materials, Applications And Nanostructures (Leioa, Spain)	Friedrich-Alexander-Universität (Erlangen-Nürnberg, Germany)	Atomic Layer Deposition of Tunable SnO ₂ for Enhanced Stability and Performance in Inverted Perovskite Solar Cells	08/07/2025 – 07/08/2025	No	Yes	M	1900	Awarded
50.	Orkhan Gulahmadow	Baku State University LLC (Baku, Azerbaijan)	Laboratory for Nanofunctional and Nanocomposite Materials in NCSR Demokritos (Athens, Greece)	Investigation of Highly Flexible Triboelectric Nanogenerators Using Porous Polysiloxane/Carbon Nanotube Composites	16/07/2025 – 31/07/2025	No	Yes	M	1150	Awarded
51.	Özlem Canpolat	Karadeniz Teknik Üniversitesi (Trabzon, Türkiye)	Universitat Rovira I Virgili (Tarragona, Spain)	Investigation of the effect of anodization parameters on nanoporous anodic alumina utilized as a template for supercapacitor electrode manufacturing	04/09/2025 – 03/10/2025	Yes	Yes	F	2000	Awarded
52.	Argyro Vagena	National and Kapodistrian University of Athens (Athens, Greece)	Universitat Rovira I Virgili (Tarragona, Spain)	Synthesis of composite porous materials	07/09/2025 – 20/09/2025	Yes	Yes	F	950	Awarded

53.	Josipa Sarjanović	Faculty Of Science University Of Zagreb (Zagreb, Croatia)	IUT Paul Sabatier (Toulouse, France)	Binary transition metal oxide glasses as a model catalysts	21/09/2025 – 26/09/2025	Yes	Yes	F	500	Awarded
54.	Teodora Despotovski	Biosense Institute (Zagreb, Serbia)	University of Turku (Turku, Finland)	Porous silicon materials for optical detection of water pollutants	21/09/2025 – 27/09/2025	Yes	Yes	F	700	Awarded
55.	Milan Momčilović	University of Niš (Niš, Serbia)	Faculty of Chemistry, University of Valencia (Valencia, Spain)	Tunable Porosity in Carbon-Based Composites for Enhanced Photocatalytic Degradation of Anthraquinone Dyes	23/09/2025 – 30/09/2025	Yes	No	M	620	Awarded