



HELLENIC REPUBLIC
MINISTRY OF DEVELOPMENT
GENERAL SECRETARIAT FOR RESEARCH AND INNOVATION
HELLENIC FOUNDATION FOR RESEARCH & INNOVATION

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H.F.R.I. 69683

Protocol Number: 13/07/2023

ANNOUNCEMENT OF THE RANKING OF THE PROPOSALS SUGGESTED FOR FUNDING

in the Scientific Areas

**S.A.1. "Physical Sciences"
S.A.8 "Environment and Energy"**

Sub-action 1 "Funding New Researchers"

"Basic Research Funding (Horizontal support for all Sciences), National Recovery and Resilience Plan (Greece 2.0)"

The Action is implemented under the National Recovery and Resilience Plan "Greece 2.0" with funding from the European Union – NextGenerationEU.



**Funded by the
European Union**
NextGenerationEU

The evaluation process of the Proposals submitted under the Call “**Funding of Basic Research (Horizontal support for all Sciences)**,” which is being funded by the Recovery and Resilience Facility Agency under the Action “Promotion of Basic and Applied Research” (measure ID 16618; MIS: 5163923) and the Hellenic Foundation for Research and Innovation (H.F.R.I.) as Implementing Entity, has been concluded.

Subsequent to the issuance of the Funding Award Decision No. 69663/12.07.2023 by the Director of the H.F.R.I. (IUN: P8ΩΨ46M77Γ-BPT) below is the **Final Ranking of the Proposals Suggested for Funding in the Scientific Areas S.A.1. “Physical Sciences” and S.A.8 “Environment and Energy,”** based on their classification in the Final Ranking Tables and the available budget.

An electronic letter of approval will be sent to the Principal Investigators of the proposals to be funded, inviting them to submit to the [H.F.R.I. Web Portal](#) the required supporting documents for issuing the Funding Award Decision, in accordance with the [Management and Implementation Guide of the Action](#) (Decision No. 69237/03.07.2023, issued by the Director of the H.F.R.I., IUN: 9B7046M77Γ-ΠΤΘ).

In case of a Proposal withdrawal or failure to submit all the required documents, the Proposal following the last Proposal to be funded in the Scientific Area will be eligible for funding, according to the corresponding Final Ranking Table of the Scientific Area.

FINAL RANKING TABLE S.A.1. “Physical Sciences”

A/A	Proposal Number	Title	PI Name/Surname	Host Institution	Approved Budget (€)
1.	15609	Carbenes to tune 2D surface metal-organic frameworks	PAPAGEORGIU ANTHOULA - CHRYSA	NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS	186.925,00
2.	14830	Photonic Topological Wave Control in Complex Electromagnetic Media	TASOLAMPROU ANNA	NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS	186.933,00
3.	15384	Gravity at its most extreme	PORFYRIADIS ACHILLEAS	INSTITUTE OF THEORETICAL AND COMPUTATIONAL PHYSICS (ITCP)- DEPARTMENT OF PHYSICS- UNIVERSITY OF CRETE	186.534,00

4.	16810	Study Of the Fission process In ^{243}Am	DIAKAKI MARIA	NATIONAL TECHNICAL UNIVERSITY OF ATHENS	187.000,00
5.	15293	Concerted Electron Proton Transfer in Inorganic Synthesis and Catalysis; Towards Methane Valorisation	TSOUREAS NIKOLAOS	NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS	186.604,00
6.	15665	Multi-wavelength investigation Of planetary nebulae problems	AKRAS STAVROS	NATIONAL OBSERVATORY OF ATHENS	168.713,00
7.	15932	Superlubricity of 2D Materials	KOUKARAS EMMANUEL	ARISTOTLE UNIVERSITY OF THESSALONIKI	187.000,00
8.	14730	Organic-inorganic thermoelectric clathrates	KALTZOGLU ANDREAS	NATIONAL HELLENIC RESEARCH FOUNDATION	187.000,00
9.	14957	Enhancing physics selectivity for exotic Higgs searches with novel trigger and reconstruction techniques in the CMS experiment	KARAPOSTOLI GEORGIA	NATIONAL TECHNICAL UNIVERSITY OF ATHENS	186.950,00
10.	16162	Quantum Enhanced Magnetometer with Squeezed Light	VASILAKIS GEORGIOS	FOUNDATION FOR RESEARCH AND TECHNOLOGY-HELLAS (FORTH)	187.000,00

11.	15283	Development of an open-source platform specialized to gold nanoparticle radiosensitization using the Geant4 Monte Carlo toolkit	KYRIAKOY IOANNA	UNIVERSITY OF IOANNINA	79.000,00
12.	15955	Architecturally Engineered Self-Healing Nanostructured Solid Polymer Electrolytes	GLYNOS EMMANOUIL	UNIVERSITY OF CRETE	184.374,00

FINAL RANKING TABLE S.A.8 "Environment and Energy"

A/A	Proposal Number	Title	PI Name/Surname	Host Institution	Approved Budget (€)
1.	16425	BIOenergy production in the Thessaly plain: A pilot example towards energy security in Greece based on the perennial crop switchGRASS	PANAGOPOULOS IOANNIS	ARISTOTLE UNIVERSITY OF THESSALONIKI	150.530,00
2.	15547	Bioaugmentation of specialized microbial consortia to optimize the overall anaerobic digestion process	FOTIDIS IOANNIS	IONIAN UNIVERSITY	164.922,00
3.	15681	Novel Type Offshore Floating Wave Energy Converter for Efficient Power Absorption	KONISPOLIATIS DIMITRIOS	NATIONAL TECHNICAL UNIVERSITY OF ATHENS	93.721,00
4.	15566	Experimental and numerical methods to assess the role of street trees as a	TSOKA STELLA	UNIVERSITY OF PATRAS	162.084,00

5.	15898	Nature-Based Solution for climate change adaptation of Cities DeveLoping new awareness and Innovative toolS to support efficient waTer rEsources maNagement	PETROPOULOS GEORGIOS	HAROKOPIO UNIVERSITY	161.640,00
6.	15392	DEVELOPMENT OF AUTOMATED SAMPLING TOOLS TO MONITOR THE SEA – AIR INTERFACE IN COASTAL AREAS	KARAVOLTSOS SOTIRIOS	NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS	163.185,00

The Director of the Hellenic Foundation for Research and Innovation

Dr Aikaterini Kouravelou