



HELLENIC REPUBLIC
MINISTRY OF DEVELOPMENT AND INVESTMENTS
GENERAL SECRETARIAT FOR RESEARCH AND TECHNOLOGY

HELLENIC FOUNDATION FOR RESEARCH AND INNOVATION
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Athens, 30.07.2020
Ref.No.: 27274

FUNDING LIST of the Proposals

submitted under the Scientific Areas

B. Engineering Sciences and Technology (SA.2)
E. Mathematics & Information Sciences (SA.5)
I. Management & Economics of Innovations (SA.9)

“2nd Call for H.F.R.I. Research Projects to Support Post-Doctoral Researchers”

The 2nd Evaluation Phase for proposals submitted under the **“2ndCall for H.F.R.I. Research Projects to support Post-Doctoral Researchers”**(Ref.No. 7121/29.11.2018, as in force) in the Scientific Areas **B. Engineering Sciences and Technology , E. Mathematics & Information Sciences** and **I. Management & Economics of Innovations** was concluded.

Following the Decision of the H.F.R.I.’s Scientific Council (Ref. No. 27237/28.07.2020)regarding the publishing of the final evaluation results, and the Funding Decision of the H.F.R.I.’s Director (Ref. No. 27273/30.07.2020, OPN: ΨΛ4Γ46M77Γ-Φ59), here follows:

The **List of the Proposals to be funded in the Scientific Areas B. Engineering Sciences and Technology , E. Mathematics & Information Sciences** and **I. Management & Economics of Innovations**, based on their final ranking (Ref. No. 27272/30.07.2020) and the available budget (H.F.R.I.’s Scientific Council Decision with Ref. No. 19313/21.11.2019, ΑΔΑ: ΩΓΨΦ46M77Γ-ΔΕΒ).

A letter of approval will be digitally sent to the PIs whose proposals are included in the List of proposals to be funded, by which they will be asked to submit the necessary documents to [H.F.R.I. portal](#) for the issuing of their proposal’s Funding Decision, in agreement with the Management-Implementation Guide of the Call (Ref.No. 26027/30.06.2020).

In case of a proposal withdrawal or failure to submit all necessary documents, the proposal immediately following the last in the list, according to the Final Ranking of the proposals, may be funded.

FUNDING LISTS OF PROPOSALS

in the Scientific Areas

B. Engineering Sciences and Technology (SA.2)

E. Mathematics & Information Sciences (SA.5)

I. Management & Economics of Innovations (SA.9)

“2nd Call for H.F.R.I. Research Projects to Support Post-Doctoral Researchers”

B. SCIENTIFIC AREA–ENGINEERING SCIENCES AND TECHNOLOGY

Table C.B. below presents the **Proposals to be funded** in the Scientific Area **B. Engineering Sciences and Technology (SA.2)**, based on their scoring, as listed in the Final Table (Ref. No. 27272/30.07.2020) and the available budget (H.F.R.I.’s Scientific Council Decision with Ref. No. 19313/21.11.2019, ΑΔΑ: ΩΓΨΦ46Μ77Γ-ΔΕΒ).

B. ENGINEERING SCIENCES AND TECHNOLOGY					
C.F. FUNDING LIST					
A/N	Proposal No.	Title	Principal Investigator’s Name	Institution	Approved Budget(€)
1.	591	Outdoor Diffuse Infrared Communications: A New Paradigm for High-Speed Wireless Access	DIAMANTOULAKIS PANAGIOTIS	ARISTOTLE UNIVERSITY OF THESSALONIKI	197.000,00
2.	221	Innovative method for the efficient stabilization of heterogeneous catalysts nanostructure: Implementation on catalytic systems of high environmental	GOULA GRAMMATIKI	TECHNICAL UNIVERSITY OF CRETE	197.000,00

		and energy impact.			
3.	314	Cognitive decline prognosis in multiple sclerosis: effectiveness of a computerized cognitive training treatment on cortical reorganization	STYLIADIS CHARALAMPOS	ARISTOTLE UNIVERSITY OF THESSALONIKI	197.000,00
4.	745	Enhanced Unmanned aeRial vehicle platfoRm using integrated Innovative layout Configurations And propulsion technologies	PERIKLIS PANAGIOTOY	ARISTOTLE UNIVERSITY OF THESSALONIKI	196.678,00
5.	40	Multi-omics technologies in a cartilage organoid model for drug discovery in osteoarthritis	NEIDLIN MICHAEL	NATIONAL TECHNICAL UNIVERSITY OF ATHENS	196.029,00
6.	328	Harnessing the potential of Accessory enzymes and their Synergistic relationships in the valorization of Greek lignocellulosic biomass	ZERVA ANASTASIA	NATIONAL TECHNICAL UNIVERSITY OF ATHENS	197.000,00
7.	448	A diachronic perspective on Rural Architecture, Settlement Sites and Plant Biodiversity of Therasia Island	ATHANASSIOU KONSTANTINOS	ARISTOTLE UNIVERSITY OF THESSALONIKI	197.000,00

8.	46	Advanced nanocomposite adsorbents for the removal of high-valent pollutants from water	SYMEONIDIS KONSTANTINOS	ARISTOTLE UNIVERSITY OF THESSALONIKI	197.000,00
9.	927	Towards resilient transportation infrastructure in a multi-hazard environment	TSINIDIS GRIGORIOS	ARISTOTLE UNIVERSITY OF THESSALONIKI	197.000,00
10.	1261	Efficient nonlinear stochastic dynamics approaches for complex structural systems subject to natural hazards	MITSEAS IOANNIS	NATIONAL TECHNICAL UNIVERSITY OF ATHENS	185.470,00
11.	73	Tunable 2D lamellar Membranes based on layered MXenes For highly efficient environmental applications	TSOUFIS THEODOROS	NATIONAL CENTRE FOR SCIENTIFIC RESEARCH "DEMOKRITOS"	188.247,00
12.	356	Advanced information modelling for safer structures against manmade hazards	MITROPOULOU XARIKLIA	NATIONAL TECHNICAL UNIVERSITY OF ATHENS	197.000,00
13.	205	Innovative Textile Structures for Mechanical Electromagnetic Reconfigurability of Wearable Antennas	TSOLIS ARIS	NATIONAL CENTRE FOR SCIENTIFIC RESEARCH "DEMOKRITOS"	195.740,00

E. SCIENTIFIC AREA- MATHEMATICS & INFORMATION SCIENCES

Table C.E. below presents the **Proposals to be funded** in the Scientific Area **E. Mathematics & Information Sciences (SA.5)**, based on their scoring, as listed in the Final Table (Ref. No. 27272/30.07.2020) and the available budget (H.F.R.I.'s Scientific Council Decision with Ref. No. 19313/21.11.2019, ΑΔΑ: ΩΓΨΦ46Μ77Γ-ΔΕΒ).

E. MATHEMATICS & INFORMATION SCIENCES					
G.F. FUNDING LIST					
A/N	Proposal No.	Title	Principal Investigator's Name	Institution	Approved Budget(€)
1.	1147	Efficient Query Answering over RDF streams using Summaries	KONDILAKIS XARIDIMOS	FOUNDATION FOR RESEARCH AND TECHNOLOGY – HELLAS (FORTH)	130.000,00
2.	116	Structural Foundations for Mobile Agent Computing	MPAMPAS EYAGGELOS	UNIVERSITY OF THESSALY	130.000,00
3.	235	Stability and Numerics for BSDEs under Uncertainty and Applications	SAPLAOYRAS ALEXANDROS	NATIONAL TECHNICAL UNIVERSITY OF ATHENS	124.000,00
4.	148	Markov bases of toric ideals	KOSTA DIMITRA	UNIVERSITY OF IOANNINA	100.000,00
5.	1247	Adaptive methods for solving PDEs	REKATSINAS NIKOLAOS	FOUNDATION FOR RESEARCH AND TECHNOLOGY – HELLAS (FORTH)	104.000,00

6.	59	Nonlinear Elliptic Problems With Hardy Type Potentials And Multiple-Layer Solutions To Parabolic Allen-Cahn Equation	GKIKAS KONSTANTINOS	NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS	120.000,00
7.	969	Responsible by Design Entity Resolution	EYTHYMIU VASSILIOS	FOUNDATION FOR RESEARCH AND TECHNOLOGY – HELLAS (FORTH)	130.000,00
8.	704	Lifting Algorithms for Evolutionary Dynamics in Networks	RAFTOPOYLOS XRISTOFOROS	UNIVERSITY OF PATRAS	130.000,00
9.	1016	Algorithms and Complexity of Counting Exact and Approximate Solutions	MPAKALI ELENI	NATIONAL TECHNICAL UNIVERSITY OF ATHENS	130.000,00

I. SCIENTIFIC AREA- MANAGEMENT & ECONOMICS OF INNOVATIONS

Table C.I. below presents the **Proposals to be funded** in the Scientific Area **I. Management & Economics of Innovations (SA.9)** based on their scoring, as listed in the Final Table (Ref. No. 27272/30.07.2020) and the available budget (H.F.R.I.'s Scientific Council Decision with Ref. No. 19313/21.11.2019, ΑΔΑ: ΩΓΨΦ46Μ77Γ-ΔΕΒ).

I. MANAGEMENT & ECONOMICS OF INNOVATIONS					
C.F. FUNDING LIST					
A/N	Proposal No.	Title	Principal Investigator's Name	Institution	Approved Budget (€)
1.	640	Acting for Sustainability: Exploring the Factors that Build Sustainable Organizations through Innovation	PAPAGIANNAKIS GIORGOS	ΟΙΚΟΝΟΜΙΚΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΑΘΗΝΩΝ	113.022,00
2.	1216	Boosting Efficiency and Green Growth through induced innovation under Technological Heterogeneity. An Elusive Goal or a Feasible Reality?	XATZISTAMOYLOY NIKOLAOS	ΠΑΝΕΠΙΣΤΗΜΙΟ ΠΑΤΡΩΝ	76.000,00
3.	569	Smart Technologies and Innovation Systems in Regional Development: Approach with System Dynamics	SAMARA ELPIDA	ΠΑΝΕΠΙΣΤΗΜΙΟ ΔΥΤΙΚΗΣ ΜΑΚΕΔΟΝΙΑΣ	124.611,00

The Director of H.F.R.I.

Dr. Nektarios Nasikas