



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

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H.F.R.I. 10/9/2023

Protocol Number: 72772

ANNOUNCEMENT REGARDING THE FUNDING LISTS FOR THE PROPOSALS

of the Thematic Areas

(T.A.3) "Agricultural Sciences - Foods"

(T.A.4) "Mathematics and Information Sciences"

**Sub-action 2 "Funding of Projects in Cutting-Edge Sectors"
"Funding of Basic Research (Horizontal support of all Sciences),
National Recovery and Resilience Plan (Greece 2.0)"**

The Action is implemented within the framework of the National Recovery and Resilience Plan "Greece 2.0" with funding from the European Union - NextGenerationEU.



The evaluation process of the Proposals submitted in the context of the Announcement "Funding of Basic Research (Horizontal support of all Sciences)", which is financed by resources of the Recovery and Resilience Fund in the context of the Action "Strengthening Basic and Applied Research" with code 16618 (MIS: 5163923) and Implementing Agency the Hellenic Foundation of Research and Innovation (HFRI) has been completed.

Following the Financing Decision with Protocol Number 72737/09.10.2023 of the Director of HFRI (Online Publication Number: Ψ01846M77Γ-ΥΔ6), below are the **Lists of the to-be-funded Proposals in the Thematic Areas (T.A.3) "Agricultural Sciences - Foods", (T.A.4) "Mathematics and Information Sciences"**, based on their ranking in the Final Ranking Tables and the available budget.

This will be followed by the electronic sending of an approval letter to the Scientific Officers of the Proposals to be funded, with which they will be invited to submit to the [HFRI Web Portal](#) the supporting documents required for issuing the Decision on Granting Funding, in accordance with the [Action Management-Implementation Guide](#) (Decision with Prot. No. 69237/03.07.2023 of the Director of the Hellenic Foundation of Research and Innovation, Online Publication Number: 9B7046M77Γ-ΠΤΘ, Correct Replication).

In case of withdrawal of a proposal or failure to submit all the necessary supporting documents, the immediately following to-be-funded Proposal after the latest one will have the right to be funded, according to the Final Ranking Table in the respective Thematic Area.

FUNDING LIST

(TA.3) "Agricultural Sciences – Food Science and Technology"

| A/N | Proposal No. | Title | PI's Full Name | Host Institution | Collaborating Organisations | Approved Budget (€) |
|-----|--------------|---|----------------------|---|---|---------------------|
| 1. | 16713 | Advancing Carob research: Science in the service of a traditional and resilient cultivation | KALANTIDIS KRITON | FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS (FORTH) | HAROKOPIO UNIVERSITY | 167.900,00 |
| 2. | 15794 | Development of novel, anthocyanin-rich, food additives/nutraceuticals from vinification by-products | SKLAVIADIS THEODOROS | ARISTOTLE UNIVERSITY OF THESSALONIKI | CENTRE FOR RESEARCH AND TECHNOLOGY HELLAS - CERTH | 167.900,00 |
| 3. | 16807 | Breeding for resistance against plant viruses employing CRISPR methodology | VOLOUDAKIS ANDREAS | AGRICULTURAL UNIVERSITY OF ATHENS | - | 167.900,00 |

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| 4. | 16383 | Addressing One Health and EU Green Deal targets with the agroecological transition of society and crop production | TRAVLOS ILIAS | AGRICULTURAL UNIVERSITY OF ATHENS | UNIVERSITY OF PATRAS | 167.900,00 |
| 5. | 15453 | Tomato Pest Management by Inorganic-based Nanostructures | DENDRINOU-SAMARA AIKATERINI | ARISTOTLE UNIVERSITY OF THESSALONIKI | HELLENIC AGRICULTURAL ORGANIZATION - "DEMETER" | 167.900,00 |
| 6. | 16889 | Characterization of Heat-stress effects using Omic Techniques in Cattle: molecular intervention checkpoints and development of minimally invasive biomarkers | CHATZIGEORGIOU ARTEMIS | HELLENIC PASTEUR INSTITUTE | UNIVERSITY OF THESSALY | 167.900,00 |
| 7. | 17000 | Perovskite nanocrystals as sensing elements for non-invasive continuous monitoring of packaged food quality | SKANDAMIS PANAGIOTIS | AGRICULTURAL UNIVERSITY OF ATHENS | NATIONAL CENTRE FOR SCIENTIFIC RESEARCH "DEMOKRITOS" | 167.900,00 |
| 8. | 15743 | Crop and livestock stress under climate change scenarios | PAPANASTASIOU DIMITRIS | UNIVERSITY OF THESSALY | ACADEMY OF ATHENS ARISTOTLE UNIVERSITY OF THESSALONIKI | 167.859,00 |
| 9. | 16794 | RNAi technology to control plant vascular pathogens | PAPLOMATAS EPAMEINONDAS | AGRICULTURAL UNIVERSITY OF ATHENS | - | 167.900,00 |
| 10. | 16849 | SCreening with AdvANced and Sophisticated methods to determine emerging marine micropollutants and chemicals from environmental microplastics in Aquaculture FEed and Fish | ΑΛΜΠΙΑΝΗΣ ΤΡΙΑΝΤΑΦΥΛΛΟΣ | UNIVERSITY OF IOANNINA | - | 167.900,00 |

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| 11. | 15391 | Interplay between Antimicrobial Resistance and Food-related stresses at Individual cell level | KOUTSOUMANIS KONSTANTINOS | ARISTOTLE UNIVERSITY OF THESSALONIKI | HELLENIC MEDITERRANEAN UNIVERSITY | 167.900,00 |
| 12. | 15572 | Combating biofilms of foodborne bacterial pathogens through a novel biocontrol approach employing lactic acid bacteria (LAB) postbiotics as modulators of cell-to-cell communication | GKIAOURIS EFSTATHIOS | UNIVERSITY OF THE AEGEAN | - | 167.900,00 |
| 13. | 16231 | Synergetic beneficial microbial consortia for improving plant productivity and adaptation in challenging environments | FLEMETAKIS EMMANOUIL | AGRICULTURAL UNIVERSITY OF ATHENS | HELLENIC AGRICULTURAL ORGANIZATION - "DEMETER" UNIVERSITY OF THESSALY | 167.900,00 |
| 14. | 16088 | NATURAL bioactive compounds as alternatives to synthetic antioxidants and gut resiSTOME modifiers in poultry farming | TSIPLAKOU ELENI | AGRICULTURAL UNIVERSITY OF ATHENS | - | 159.180,00 |
| 15. | 15424 | Yellow mealworms as a source of innovative solutions and products for the development of the bioeconomy in Greece | MATTHIOPOULOS KONSTANTINOS | UNIVERSITY OF THESSALY | - | 167.900,00 |
| 16. | 16845 | Agro-Rice-Tools: Novel digital tools for weed mapping and sustainable use of herbicides in rice | CHACHALIS DIMOSTHENIS | BENAKI PHYTOPATHOLOGICAL INSTITUTE | HELLENIC AGRICULTURAL ORGANIZATION - "DEMETER" | 167.899,00 |
| 17. | 15714 | Impact of the extrusion process on the allergenicity of foods | KARATHANOS VAIOS | HAROKOPIO UNIVERSITY | NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS | 167.900,00 |

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| 18. | 16242 | Smart Fish Farming | ANTONOPOULOS CHRISTOS | UNIVERSITY OF PELOPONNESE | UNIVERSITY OF PATRAS | 144.016,00 |
| 19. | 15455 | Developing omics-driven tools for molecular breeding of cold-storage tolerant peach cultivars | MOLASIOTIS ATHANASIOS | ARISTOTLE UNIVERSITY OF THESSALONIKI | HELLENIC AGRICULTURAL ORGANIZATION - "DEMETER" UNIVERSITY OF WESTERN MACEDONIA BIOMEDICAL SCIENCES RESEARCH CENTRE "ALEXANDER FLEMING" | 167.900,00 |

FUNDING LIST

(TA.4) "Mathematics and Information Sciences"

| A/N | Proposal No. | Title | PI's Full Name | Host Institution | Collaborating Organisations | Approved Budget (€) |
|-----|--------------|--|----------------------------|--|---|---------------------|
| 1. | 15689 | Ergodic theory with connections to arithmetic | FRANTZIKINAKIS NIKOLAOS | UNIVERSITY OF CRETE | - | 127.260,00 |
| 2. | 15642 | Exploring the Role of Diffuse Infrared Communications in the Era of 6G | KARAGIANNIDIS GEORGIOS | ARISTOTLE UNIVERSITY OF THESSALONIKI | - | 169.950,00 |
| 3. | 16046 | Leveraging Voltage Margins and Error Resiliency at Large-Scale Computing | PSARAKIS MICHALIS | UNIVERSITY OF PIRAEUS | NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS | 169.950,00 |

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| 4. | 16973 | Reliable Highly Parallel Systems by Design | GKIZOPOULOS DIMITRIOS | NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS | ARISTOTLE UNIVERSITY OF THESSALONIKI | 169.997,00 |
| 5. | 16982 | Theory and Applications of Scalable Gaussian Process Models | DELLAPORTAS PETROS | ATHENS UNIVERSITY OF ECONOMICS AND BUSINESS | - | 164.560,00 |
| 6. | 15866 | Analysis of Large Discrete Structures | TYROS KONSTANTINOS | NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS | - | 100.000,00 |
| 7. | 16636 | Themis: Modeling, Measuring and Mitigating Bias in Online Information Platforms | TSAPARAS PANAGIOTIS | UNIVERSITY OF IOANNINA | - | 170.000,00 |
| 8. | 16819 | ProperTy GrAphs at ScaLE | PLEXOUSAKIS DIMITRIOS | FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS (FORTH) | - | 170.000,00 |
| 9. | 15825 | NONCOMMUTATIVE ANALYSIS: OPERATOR SYSTEMS AND NONLOCALITY | ANOUSIS MICHAIL | UNIVERSITY OF THE AEGEAN | - | 166.000,00 |
| 10. | 16762 | Energy Efficient and Trustworthy Deep Learning | TEFAS ANASTASIOS | ARISTOTLE UNIVERSITY OF THESSALONIKI | - | 169.930,00 |
| 11. | 15206 | Towards Predictable Performance in Elastic, Reliable and Secure Multitenant Systems | ANASTASIADIS STERGIOS | UNIVERSITY OF IOANNINA- UNIVERSITY RESEARCH CENTRE FOR RESEARCH AND INNOVATION | - | 170.000,00 |

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| 12. | 16294 | 6G Network management infrastructure for cell-free based fronthaul networks | VERYKOUKIS CHRISTOS | "ATHENA" - INNOVATION RESEARCH CENTRE FOR INFORMATION TECHNOLOGIES, COMMUNICATIONS AND KNOWLEDGE | UNIVERSITY OF WESTERN MACEDONIA | 169.800,00 |
| 13. | 14910 | Interfacial phenomena in stochastic reaction-diffusion systems and applications to mathematical finance | KARALI GEORGIA | FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS (FORTH) | - | 166.000,00 |
| 14. | 15877 | Algorithmic Learning Theory and Incentives: Synergies in Optimization and Mechanism Design | MARKAKIS EVAGGELOS | ATHENS UNIVERSITY OF ECONOMICS AND BUSINESS | - | 169.804,00 |
| 15. | 15940 | Counterfactuals for Clustering: Explainability, Fairness and Quality | LYKAS ARISTEIDIS | UNIVERSITY OF IOANNINA | - | 141.500,00 |
| 16. | 16811 | Hybrid beamforming and deep learning techniques for mm-wave wireless networks | KANATAS ATHANASIOS | UNIVERSITY OF PIRAEUS | - | 170.000,00 |
| 17. | 14758 | Geometric Evolution Equations and Isotopy Problems | CHALILAI ANDREAS-SAVVAS | UNIVERSITY OF IOANNINA | UNIVERSITY OF PATRAS | 157.000,00 |
| 18. | 15430 | Rethinking Equilibria: Deep GNNs-based, Bayes-Stable Strategic Decision-Making under Uncertainty in Heterogeneous Multiagent Environments | CHALKIADAKIS GEORGIOS | TECHNICAL UNIVERSITY OF CRETE | - | 168.197,00 |
| 19. | 16469 | Advanced artificial intelligence algorithms and methods for the processing of multimodal data and the rendering of Explainable AI content using visuo-haptic AR technologies | MOUSTAKAS KONSTANTINOS | UNIVERSITY OF PATRAS | "ATHENA" - INNOVATION RESEARCH CENTRE FOR INFORMATION TECHNOLOGIES, COMMUNICATIONS AND KNOWLEDGE | 169.030,00 |

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| 20. | 14770 | Harmonic Analysis and Number Theoretic Aspects on Discrete Structures | MALIKIOSIS ROMANOS-DIOGENIS | ARISTOTLE UNIVERSITY OF THESSALONIKI | - | 166.000,00 |
| 21. | 16785 | Higher Algebra and Representation Theory | PSAROUDAKIS CHRYSOSTOMOS | ARISTOTLE UNIVERSITY OF THESSALONIKI | - | 156.384,00 |

Director of the Hellenic Foundation of Research and Innovation

Dr Aikaterini Kouravelou