

## PROGETTI DAFE

- 1- Strengthening rural livelihoods and resilience to climate change in Africa: innovative agroforestry integrating people, trees, crops and livestock – GALILEO – Responsabile Scientifico Simone DI PRIMA
- 2- INCREASE: Intelligent Collections of Food Legumes Genetic Resources for European Agrofood Systems – Responsabile Scientifico Tania GIOIA
- 3- Legume Generation: Boosting innovation in breeding for the next generation of legume crops for Europe – Responsabile Scientifico Tania GIOIA
- 4- Strengthening the MIRRI Italian Research Infrastructure for Sustainable Bioscience and Bioeconomy - SUS-MIRRI.IT O – Responsabile Scientifico Teresa ZOTTA
- 5- MODELLING AND TECHNOLOGICAL TOOLS TO PREVENT SURFACE AND GROUND-WATER BODIES FROM AGRICULTURAL NON-POINT SOURCE POLLUTION UNDER MEDITERRANEAN CONDITIONS (NPP-SOL) – Responsabile Scientifico Antonio COPPOLA – subentrato Alessandro COMEGNA
- 6- CIRQUA – Integrated Approaches at Local Scale for Enhancing Water Reuse Efficiency and Sustainable Soil Fertilization from Wastewater's Recovered Nutrients – Responsabile Scientifico Marios DROSOS
- 7- RESO – RESilienza e SOstenibilità delle filiere ortofrutticole e cerealicole per valorizzare i territori – Responsabile Scientifico Tania GIOIA
- 8- From Tradition to Innovation: New Foods and Educational Toolkits for a Healthy and Sustainable Mediterranean Lifestyle - Tool4MEDLife – Responsabile Scientifico UNIBAS: Fernanda GALGANO
- 9- Training A New Generation Of farmers and agricultural entrepreneurs to implement the concept of Circular economy in agriculture “TANGO Circular”- Responsabile Scientifico Pietro PICUNO
- 10- Agroecological Farming Master Programme For A Sustainable Agriculture In West Africa – Agrecofarm – Responsabile Scientifico Pietro PICUNO
- 11- FRUITDIV Exploiting the untapped potential of Fruit tree Wild Diversity for sustainable Agriculture. HORIZON-CL6-2023-BIODIV-01-Responsabile Scientifico Angelo NOLE'
- 12- Agritech - National Research Centre for Agricultural Technologies- Responsabile scientifico per l'Ateneo Eugenio PARENTE
- 13- 2024 - HORIZON-CL6-2023-GOVERNANCE-01-19 Type of Action: HORIZON-CSA Proposal number: 101133326- "TransformDairyNet: Working together to upscale Cow-Calf-Contact dairy production and beyond" - acronimo "TransformDairyNet - TDN" (Responsabile Scientifico A. Braghieri)
- 14- “CO-creation Of Pathways to foster agrecoLogical transition of FARMs driven by Livin LAB approach – CoolFarmLab” Responsabile Scientifico Michele PERNIOLA
- 15- “Waste Reduction and Management by implementing circular economy in western africa” (WARM) Responsabile Scientifico Pietro PICUNO
- 16- Biotechnology-based solutions for crop stress mitigation - CROP BOOSTERS - Responsabile Scientifico Adriano SOFO
- 17- “Integrating Nature into Higher Education: Forest Bathing “INHEF” – Responsabile Scientifico Pietro PICUNO
- 18- “The effects of tillage practice on soil carbon sequestration mechanisms” TilSoilC Responsabile Scientifico Adriano SOFO
- 19- “Natural based and low Energy consumption unconventional solutions for the management of WATER sources” NEWater Responsabile scientifico Donatella BATTAGLIA

- 20- “Nuovo approccio agroecologico per la fertilità del suolo e il ripristino della biodiversità per migliorare la resilienza economica e sociale dei sistemi agricoli mediterranei” AgrEcoMed Responsabile scientifico Michele PERNIOLA
- 21- 2023 - Progetto di Ricerca “Agrostart - Agroforestry e sostenibilità per l'innovazione dei corileti siciliani” PSR SICILIA 2014/20, Misura 16 - Sottomisura 16.1, Approvazione D.R.A. n. 3115 / 2023 - (Responsabile Scientifico C. Cosentino).
- 22- Valorizzazione di sottoprodotti delle filiere orticole mediante nuove tecniche estrattive per la formulazione di prodotti nutraceutici VALSALUS Responsabile Scientifico Vincenzo CANDIDO
- 23- “Vite e vino dal Campo ai Musei – Le due Culture in un bicchiere” ViCaM Responsabile Scientifico Angela CAPECE
- 24- “Bio-Technological solutions to REduce, REcover and REuse Fruit and VEgetable Wastes” - Re-WAVE Responsabile Scientifico Teresa ZOTTA
- 25- PNRR MUR – M4C2 – Investimento 1.3 – Avviso "Partenariati estesi alle università, ai centri di ricerca, alle aziende per il finanziamento di progetti di ricerca di base” finanziato dall'Unione Europea –NextGeneratioEU. Progetto di ricerca “Made in Italy Circolare e Sostenibile” (MICS) - Codice PE00000004. CUP D43C22003120001 (SPOKE: POLIMI). Bando a cascata: CODBAN\_000364 - Bando per imprese. Progetto di ricerca: MICS\_IMPRESA\_02\_2024 - RISTI-MI - Rinascita e Sfide dei Sistemi Territoriali d'Impresa: il Made in Italy. Responsabile scientifico: Prof. Luigi Todaro.

## PROGETTI PRIN 2022

- 1- METAOLIVE: meta-omic approaches for traditional table olive fermentation -Responsabile Scientifico Eugenio PARENTE
- 2- BioCellulose production from a Synthetic Microbial Community: sustainable process for food and healthy applications Responsabile Scientifico Teresa ZOTTA
- 3- Improving the RESilience to climate change of ITalian oak FORests facing dieback (ResItFor) – Responsabile Scientifico Francesco RIPULLONE
- 4- Biotechnological strategies to formulate bread with low FODMAPs content for consumers with Irritable Bowel Syndrome: technological, nutritional, sensory and clinical aspects – Coordinatrice progetto e Responsabile Scientifico Fernanda Galgano GALGANO
- 5- Monitoring and modelling of contaminants transport in soil across spatial scales- Responsabile Scientifico Antonio.COPPOLA subentrato Alessandro COMEGNA
- 6- LENTIGO: Fostering LENTil sustainable production in the Mediterranean area Through Integrated Global –Omics – Responsabile Scientifico Tania GIOIA
- 7- An environmentally extended Rural-Urban model to study the Ecosystems- Economy-Society nexus (RUEESnexus) – Responsabile Scientifico Mauro VICCARO
- 8- DEalcoholised and low-alcohol WINES: market perspectives, social and environmental impacts – Responsabile Scientifico Adele. COPPOLA
- 9- VIRIIDIS - Vertical gaRdens wIth DIgital twin of plantS – Responsabile Scientifico Paola D'ANTONIO
- 10- Using ancient environmental DNA to assess VOLcanic LAKes REference condition, biodiversity and long term ecological response to climate variability and anthropic pressure (VOLARE)- Responsabile Scientifico Donatella BATTAGLIA
- 11- Climate change-enhanced kiwifruit physiological decline: Integrated solutions to recover plant and soil functions (KIWinner)- Responsabile Scientifico Alba MININNI
- 12- Understanding inter- and intra-specific neighbouring root communication in plants undergoing drought stress (NEIGHBOROOT) – Responsabile Scientifico Adriano SOFO
- 13- Zinc fortification: Integrative approaches to improve crop resilience and fruit quality: ZnFORCROP – Responsabile Scientifico Bartolomeo DICHIO

## PROGETTI PRIN 2022 PNRR

- 1- SAFER MESH: Sustainable mAnagement oF watEr Resources: ModElS and numerical MetHods  
Responsabile scientifico Antonio COPPOLA Progetto Trasferito presso altro Ateneo
- 2- Methodological proposal for the Individuation of protection forests through LEgislation,  
geohazard assessment Tools and Ontology (MILETO) Responsabile Scientifico Simone DI  
PRIMA subentrato Alessandro COMEGNA
- 3- A gene expression atlas on the role of polyphenol oxidases in Triticum adaptation to  
environmental change (NEXTPLORA) Responsabile Scientifico Tania GIOIA
- 4- Mining the biodiversity of non conventional yeasts as bioresources for innovative fermented  
beverages through a genomics and bioinformatics approach – NCYdiversity Responsabile  
Scientifico Eugenio PARENTE
- 5- Phytoplasma diseases of fruit trees and grapevine in southern Italy Responsabile Scientifico  
Donatella BATTAGLIA
- 6- Biotechnological approach to improve physicochemical and sensory properties of hemp seed by-  
products for fresh pasta manufacturing. Responsabile scientifico Fernanda GALGANO
- 7- Sustainable and eco-friendly sheep farming: use of agricultural by-products as alternative feed  
resources in precision feeding protocol. Safe and healthy production from a virtuous model of  
circular economy Responsabile Scientifico Annamaria PERNA
- 8- RESCUE-NETS – RESilience to Climate change in agricultural production under multi-  
pUrposE NETS Responsabile Scientifico Pietro PICUNO
- 9- Fermenting metacommunities of food interest: an invaluable biodiversity asset to be maintained  
overtime in its wholeness and functionality - Micro4ever Responsabile Scientifico Teresa  
ZOTTA
- 10- Advanced Tools For Rapid And On-Site Detection Of Ochratoxin In The Food Chain From  
Farm To Fork (OTASens) Responsabile Scientifico Francesco GENOVESE
- 11- MUlTi-scale modelization toward Socio-ecological Transition for Water management  
(MUST4Water) Responsabile Scientifico Mauro VICCARO
- 12- A cohesive framework to integrate eCosystem seRvices wIThin wildfirE Risk mItigation  
strAtegies (CRITERIA) Responsabile Scientifico Mario COZZI
- 13- Functional genomics approach for improving tomato root architecture FUNCRROOT  
Responsabile Scientifico Adriano SOFO

## Progetti di Ateneo

1. 2024 - Lucania Ambiente e Salute” (LucAS)\_ "WP3: Approccio Analisi Sensoriale Responsabile  
Scientifico WP3: Fernanda Galgano). WP9: MONITORAGGIO DELLA COMPONENTE  
ZOOTECNICA (Responsabile Scientifico della WP9: A. Braghieri) 2024.
2. Technologies for climate change adaption and quality of live improvement - PNRR Tech4You
3. Casa delle tecnologie Emergenti a Matera – CTEMT