



Call for applications for the assignment of 1 research fellowship grant for carrying out Category B research activities, as per Article 22 of Italian Law No. 240/2010, for the Scientific Disciplinary Sector of BIOS-02/A - Plant Physiology, at the facilities of the CIR - Integrated Research Centre and of the Departmental Faculty of Science and Technology for Sustainable Development and One Health of Università Campus Bio-Medico di Roma.

Call Code: ASS-RIC/35_24

Departmental Faculty	Science and Technology for Sustainable Development and One Health
Research theme	miRNA profiles and networks in rice under abiotic stress.
Brief description of the research	Understanding miRNA profiles and their expression networks during rice seed germination and early seedling establishment under abiotic stress conditions is crucial for enhancing rice resilience and productivity amid climate change challenges. The study aims to uncover the miRNA-mediated molecular mechanisms that regulate plant adaptive responses at the post-transcriptional level. A primary objective is to generate transcriptomic and miRNA signatures in different rice varieties under various environmental conditions. Another key goal is to functionally characterize the regulatory networks of miR395 and miR160. The insights gained from this research will deepen our understanding of plant biology and contribute to improving plant resilience and productivity in response to environmental changes.
Scientific Supervisor	Prof. Sara Cimini
Scientific Disciplinary Sector	BIOS-02/A - Plant Physiology
Language knowledge and skills	Excellent knowledge of spoken and written English language
Date of the interview	14th November 2024, at 2:00 p.m. Remote candidates on Microsoft Teams platform