



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 ICHI-02/A – Chemical Plants, 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/38_24

Departmental Faculty	Science and Technology for Sustainable Development and One Health
Research theme in English	Technical-economic and environmental (LCA) analysis of innovative processes for the sustainable production of chemicals and fuels
Brief description of the research in English	The research aims to develop and/or refine holistic analysis methodologies for innovative industrial processes in the chemical and fuel sectors (e.g. Power-to-X technologies and carbon dioxide valorization processes). The candidate will be responsible for defining technical-economic and environmental KPIs to assess the actual sustainability of these processes and conduct benchmarking activities. Economic and environmental analyses will be conducted using Life Cycle Costing (LCC) and Life Cycle Assessment (LCA) methodologies, respectively.
Scientific Supervisor	Prof. Marcello De Falco
Scientific Disciplinary Sector	ICHI-02/A – Chemical Plants
Language knowledge and skills	Knowledge of the English language
Date of the interview	27th November 2024, at 2:00 p.m. Remote candidates on Microsoft Teams platform