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Centre National pour la Recherche
Scientifique et Technique

**Final Report of the Joint Bilateral Agreement
Consiglio Nazionale delle Ricerche (CNR) of Italy
Centre National pour la Recherche Scientifique et Technique (CNRS) of Morocco**

Biennial Programme 2022-2023

Considering the General Agreement signed on June 10, 2011, the joint call for the bilateral project program launched on April 16, 2021 and a recent exchange of emails between the Centre National pour la Recherche Scientifique et Technique (CNRS) of Morocco and Consiglio Nazionale delle Ricerche (CNR), both Parties have jointly decided to fund, within the framework of the future joint program, up to 8 projects granting 2.000 Euros per year for 2 years (Italian side), and 25000 dhs per year for two years (Moroccan side).

At the deadline fixed by the call, 60 proposals have been considered eligible, and have been submitted for evaluation by both Parties.

The selection of projects took into account the representativity of the different themes according to the number of projects submitted in each theme.

After completing the evaluation procedures carried out independently, the evaluated projects with the best scores from both sides have been selected within the following themes:

- Chemical Sciences and Materials Technology



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- Engineering, and technologies for energy and transport (ICT)
- Earth System Sciences and Environmental Technologies
- Physical sciences
- Agro-food sciences

Despite the large number of good proposals received, the Parties agreed to finance the following proposals included in a final ranking list:

Project theme	Joint Research Project	Italian Institution	Moroccan Institution
Chemical Sciences and Materials Technology	Protection and enhancement of the ancient artisan heritage of the Moroccan carpet	STEFANO LEGNAIOLI Istituto di Chimica dei Compositi Organo Metallici (CNR- ICCOM)	AIT LYAZIDI Saadia Faculté des Sciences Université Moulay Ismail Meknès
Chemical Sciences and Materials Technology	Microplastic assessment originated from sea-salt and bottled water in the Mediterranean and Atlantic region	MARIACRISTINA COCCA Istituto per i Polimeri, Compositi e Biomateriali (CNR- IPCB)	AMSIL HAMID Centre National de l'Energie, des Sciences et des Techniques Nucléaires (CNESTEN)



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Earth System Sciences and Environmental Technologies	Non-invasive density monitoring of the endangered Cuvier's gazelle in the western Anti-Atlas range, Morocco: implications for management and conservation	STEFANO FOCARDI Istituto dei Sistemi Complessi (CNR-ISC)	AIT BAAMRANE Moulay Abdeljalil Faculté des Sciences Université Ibn Zohr Agadir
Earth Sciences and Environmental Technologies System	Mining waste characterization for optimized management by multidisciplinary approach	DANIELA GUGLIETTA Istituto di Geologia Ambientale e Geoingegneria (CNR-IGAG)	WAFIK AMINA Faculté des Sciences Semlalia (FSSM) Université Cadi Ayyad Marrakech
Engineering, and technologies for energy and transport (ICT)	Phase Change Material for Thermal Energy Storage in Industrial Manufacturing processes	LAURA FEDELE Istituto per le Tecnologie della Costruzione (CNR-ITC)	EL QARNIA Hamid Faculté des Sciences Semlalia (FSSM) Université Cadi Ayyad Marrakech
Physical sciences	In-field identification of Moroccan meteorites using Laser-Induced Breakdown Spectroscopy (LIBS) handheld instrumentation	GIORGIO SAVERIO SENESI Istituto per la Scienza e Tecnologia dei Plasmi (CNR-ISTP)	IBHI Abderrahmane Faculté des Sciences Université Ibn Zohr Agadir
Agro-food sciences	Improving cultivation, quality and conservation of saffron accessions from Morocco and Italy	CARLA BENELLI Istituto per la Bioeconomia (CNR-IBE)	SERGHINI Mohammed Amine Faculté des Sciences Université Ibn Zohr Agadir



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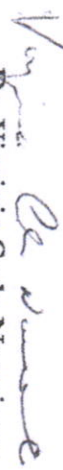


Agro-food sciences	Assessing sustainability in water use through the water footprint analysis in Mediterranean agricultural basins	ANNA MARIA DE GIROLAMO Istituto di Ricerca sulle Acque (CNR-IRSA)	BROUZIYNE Youssef International Water Research Institute (IwRI) Université Mohammed VI Polytechnique (UM6P)
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For the
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19 0 DEC 2021

For the
Centre National pour la Recherche Scientifique et


Dr. Virginia Coda Nunziane
Head of European and International Relations

Technique (CNRST) la Directrice

Jamila EL ALAMI
Directrice