



## Final Report of the Joint Bilateral Agreement CNR/MESRA

### Biennial Programme 2023-2024

Considering the General Agreement signed 31st July, 2018 and the joint call for the bilateral project programme launched on 19th April 2022, both Parties agreed on funding up 8 projects in the framework of the programme 2023-2024.

After the evaluation step performed independently by both Parties, CNR and MESRA decided to fund 8 projects with the following criteria:

- ✓ projects with the highest score from both Parties: minimum 18 by CNR side and minimum 70,25 by MESRA side.

The Parties agreed on the following final ranking list of the financed proposals:

Title	Cnr Principal Investigator	Armenian Principal Investigator
Geodiversity-biodiversity interactions in forest to steppe habitats across an ecoclimatic gradient in Armenia: A theoretical concept applied to the effects of global warming	<b>Cesare Ravazzi</b> Istituto Di Geologia Ambientale E Geoingegneria (Cnr-IGAG)	<b>Alla Aleksanyan</b> Institute of Botany A. Takhtajyan, National Academy of Sciences, Republic of Armenia
Thermodynamics and many-body correlations of quantum magnets	<b>Nicolò Defenu</b> Istituto Officina dei Materiali (Cnr- IOM)	<b>Nerses Ananikian</b> CANDLE: Synchrotron Research Institute
Extremophiles isolated from Armenian extreme environments as source of	<b>Annarita Poli</b>	<b>Hovik Panosyan</b>



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exopolysaccharides: elucidation of chemical structure and gene encoding their synthesis	Istituto di Chimico Biomolecolare (Cnr- ICB)	Yerevan State University
Health assessment of some amphibian and reptile species in Armenia with special focus on emerging infectious agents	<b>Fabio Cianferoni</b> Istituto di Ricerca sugli Ecosistemi Terrestri (Cnr -IRET)	<b>Marine Arakelyan</b> Department of Zoology, Faculty of Biology, Yerevan State University (Armenia)
Synthetic alpha-amino acids and peptide-based systems for anticancer strategies	<b>Giovanni Roviello</b> Istituto di biostrutture e bioimmagini (Cnr- IBB)	<b>Hayarpi Simonyan</b> Yerevan State University
Comparative study of the structural and spectral-kinetic properties of laser-active ceramic and single-crystal garnets YAG, LuAG and YSAG doped with Yb <sup>3+</sup> and Tm <sup>3+</sup>	<b>Barbara Patrizi</b> Istituto Nazionale di Ottica (Cnr- INO)	<b>Gagik Demirkhanyan</b> Institute for Physical Research of the National Academy of Sciences of Republic of Armenia
Synthesis of non-coded amino acids to improve the properties of two specific classes of antibacterial and anticancer peptides	<b>Barbara Biondi</b> Istituto di Chimica Biomolecolare	<b>Anna Mkrtchyan</b> Scientific and Production Center “Armbiotechnology” National Academy of Sciences, Republic of Armenia
Developing an Armenian research evaluation system based on a bibliometric approach	<b>Giovanni Abramo</b>	<b>Sargsyan Shushanik</b>



Consiglio Nazionale delle Ricerche

	Istituto di Analisi dei Sistemi ed Informatica "A. Ruberti" (IASI)	"Institute for Informatics and Automation Problems" National Academy of Sciences, Republic of Armenia
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For the National Research Council of Italy (Cnr)

Dr. Virginia Coda Nunziante  
Head of International Relations Unit

For the Science Committee of the Ministry of Education, Science,  
Culture and Sport of the Republic of Armenia

Dr Sargis Hayotsyan  
Chairman