Final Report of the Joint Bilateral Agreement CNR/HAS (Hungarian Academy of Sciences)

Triennial Program 2023-2025

Considering the General Agreement signed on July 2022 and the joint call for the bilateral project program launched in August 2022,

Following on to our agreement, both Parties agreed on funding up to 8 joint research projects (CNR will provide up to 4.000,00 euros per year for 3 years to the Italian team, and HAS will provide funds for international travel, accommodation and per-diem expenses to the Hungarian team for their stay in Italy for 3 years).

By the deadline foreseen by the call, 14 proposals have been submitted to both parties.

After the evaluation step performed independently by both Parties, CNR and HAS decided to fund 8 projects.

After comparing both evaluations, the Parties agreed to fund 8 projects which received the CNR score of minimum 18 and the HAS evaluation of Group A ("Highly supported") or Group B ("Supported").

Despite the large number of good proposals received, the Parties agreed on the following final ranking list of the proposals to be financed:

Joint Research Project	Hungarian Institution	Italian Institution
Network of transnational relations and cultural transfer between Buda and Naples from the 14th to the 18th centuries	**FALVAYNÉ MOLNÁR Mónika** Research Centre for the Humanities Institute of History	**Paola Avallone** CNR - Institute for the Studies on the Mediterranean
High-resolution isotope chronostratigraphy from travertine deposits of Tivoli (Italy) and Tata (Hungary)	**KELE Sándor** Research Centre for Astronomy and Earth Sciences	**Francesca Giustini** CNR - Institute of Environmental Geology and Geoengineering
Effects of strong correlations in interacting many-body systems and quantum circuits	**KORMOS Márton** Budapest University of Technology and Economics (BME) Faculty of Natural Sciences Institute of Physics	**Nicolo Defenu** CNR - Institute of Materials

Joint Research Project	Hungarian Institution	Italian Institution
Discovering active sites and rate limiting steps behind the direct synthesis of DME via CO2 hydrogenation: application of in situ/operando techniques for the design of innovative and highly efficient hybrid catalysts	**LÓNYI Ferenc** Research Centre for Natural Sciences Institute of Materials and Environmental Chemistry	**Catia Cannilla** CNR - Institute for Advanced Energy Technologies "Nicola Giordano"
Innovative methods for evaluating chemical mixture effects on river quality	**MONOSTORY Katalin Ilona** Research Centre for Natural Sciences Institute of Enzymology	**Anna Barra Caracciolo** CNR - Water Research Institute
H2 production via catalytic conversion of greenhouse gases to aid energy transition	**NAGYNÉ HORVÁTH Anita** Centre for Energy Research	**Valeria La Parola** CNR - Institute of Nanostructured Materials (ISMN)
GHOST III: Graphene and transition metal dichalcogenides HeterOstructures with wide bandgap SemiconducTors for advanced electronics	**PÉCZ Béla** Centre for Energy Research	**Filippo Gianazzo** CNR - Institute for Microelectronics and Microsystems

Joint Research Project	Hungarian Institution	Italian Institution
Novel A?/Prion chimera peptides: studies on the inhibition of the A? fibrillogenesis and the role of transition metal ions	**VÁRNAGY Katalin** University of Debrecen Faculty of Science and Technology Institute of Chemistry	**Giuseppe Di Natale** CNR - Institute of Crystallography

for the

CNR - National Research Council of Italy

Virginia Coda Nunziante
16.01.2023
13:26:12
GMT+00:00

Dr. Virginia Coda Nunziante

Head of International Relations Office

for the

HAS – Hungarian Academy of Sciences

Fodor Katalin
Digitálisan aláírta: Fodor Katalin
Dátum: 2023.01.17 18:42:20 +01'00'

Ms. Katalin Fodor

Head

Department of International Relations