



أكاديمية البحث
العلمي والتكنولوجيا
Academy of Scientific
Research & Technology



National Research Council of Italy

Final Report of the Joint Bilateral Agreement CNR/ASRT

Biennial Program 2025-2026

Considering the General Agreement signed on September 2023 and the joint call for the bilateral project program launched on 15 April, 2024

Following on to our agreements, both Parties agreed on funding up to 5 joint research projects (CNR will provide up to 5.000,00 euros per year for 2 years to the Italian team, and ASRT will provide up to 5.000,00 euros per year for 2 years to the Egyptian team).

At the deadline foreseen by the call, 18 proposals have been submitted to both parties.

After the evaluation step performed independently by both Parties, CNR and ASRT decided to fund 5 projects. The criteria used by ASRT and CNR for the selection of the winning projects are the following:

- ✓ we decided to finance the projects with the highest score
- ✓ we decided to finance max. 2 projects which belong to the same scientific area;
- ✓ we decided to finance projects with a minimum score of 70/100 related to the ASRT evaluation
- ✓ we decided to finance projects with a minimum score of 85/100 related to the CNR evaluation

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

Joint Research Project	Italian Responsible	Egyptian Responsible
Advancing Circular Economy: Bio-based membranes for water treatment processes	ALBERTO FIGOLI	ALAA EL DIN MAHMOUD
Novel diagnostics biosensor for breast cancer biomarker using nanomaterials-based metal-organic frameworks Scienze chimiche e tecnologie dei materiali	MARIA CAPORALI	SHETA MOHAMED
Agri-food by-products derived cellulose films for food package naked-eye sensing and preservation	CARMELA GERARDI	HEBAT-ALLAH S. TOHAMY



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Joint Research Project	Italian Responsible	Egyptian Responsible
Exploring the role of chickpea and fenugreek bioactive peptides in health and diseases prevention (BIOPEP)	MORENA GABRIELE	MONA M. IBRAHIM
Deepening the understanding of seismogenic processes in the Aswan area (Egypt) using advanced statistical methods, machine learning algorithms, and Finite Element modeling	TONY ALFREDO STABILE	RAAFAT EL-SHAFEI FAT-HELBARY

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