

**EXECUTIVE PROGRAMME FOR SCIENTIFIC AND  
TECHNOLOGICAL COOPERATION  
BETWEEN THE ITALIAN REPUBLIC AND THE ARAB REPUBLIC OF EGYPT  
FOR THE YEARS 2013-2015**

Within the framework of Agreement on Scientific and Technological Cooperation between the Government of the Italian Republic and the Government of the Arab Republic of Egypt, signed in Cairo on April 29, 1975, the Italian-Egyptian Joint Commission met in Cairo on the 18<sup>th</sup> and on the 27<sup>th</sup> of December 2012 to examine the present state and further development of scientific and technological cooperation between the two Countries and to define the Executive Programme for the years 2013 – 2105.

The Italian delegation was headed by H. E. Claudio Pacifico, Ambassador of Italy in Egypt, and the Egyptian delegation was headed by H. E. Nadia Zakhary, Minister of Scientific Research. The members of the two delegations are listed in Annex I.

The institutions in charge of the co-ordination of the present Executive Programme, hereinafter referred as to the "Parties", are:

For the Italian Party: Ministry of Foreign Affairs, Directorate General for the Country Promotion (Economy, Culture and Science);

For the Egyptian Party: Ministry of Scientific Research.

The following agenda items of the Joint Commission were adopted by the Parties:

1. Review of Scientific and Technological Cooperation between the two Countries
2. New Executive Programme
  - 2.1 Projects for the Exchange of Researchers and Financial Provisions
  - 2.2 Joint Research Projects of Particular Relevance
- 3 Final provisions

**1. Review of the Scientific and Technological Cooperation between the two Countries**

The Parties have agreed to recognize the growing importance of science and technology with the respect to the economical, social and cultural relations of the two Countries.

The Parties, considering the good relationships between the two Countries, stressed the need to develop and to promote bilateral cooperation in the field of science and technology.

**2. New Executive Programme**

In the period between September 5, 2012, to October 15th, a joint call for proposals was launched to collect project proposals in the following priority areas:

- Agriculture and Food Science and Technology
- Design Engineering and Technology
- Electronics, Information Communication Technology
- Energy and Environment
- Health, Biotechnology and Medicine
- Nanotechnology and Advanced Materials
- Space and Physics
- Geology and Geophysics
- Technologies applied to Cultural and Natural Heritage
- Transport Systems including Automotive technologies



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The criteria adopted in selecting the joint research projects were:

- Scientific relevance of the research project
- Methodology and documentation
- Qualification of the applicants
- Added value of the bilateral cooperation
- Social and developmental added value
- Use and dissemination of results

## **2.1 Projects for the Exchange of Researchers and Financial Provisions**

Based upon the above mentioned criteria, 9 projects for the exchange of researchers have been selected. The list of the selected projects is given in Annex II.

The general administrative and financial provisions for the implementation of the Programme are given in Annex III.

## **2.2 Joint Research Projects of Particular Relevance**

Financial support may be granted on a national basis upon evaluation of applications to be submitted according to the guidelines of the relevant authorities of the two Countries.

Pursuant to the criteria referred, the Parties selected 8 joint research projects which may receive financial support. The list of such projects is given in Annex IV.

## **3. Final provisions**

The Parties agreed to hold the next session of the Joint Commission in Rome, in the year 2015.

Details of the next session of the Joint Commission, such as date, agenda, etc. will be agreed upon through diplomatic channels.

This Executive Programme for the period January 1<sup>st</sup>, 2013 - December 31<sup>st</sup> 2015 will remain valid until the coming into force of the next Executive Programme, but no longer than one year after its expiration.

Any amendment to the text of this Executive Programme has to be authorised by the competent Ministries in both Countries and has to be carried out through diplomatic channels.

All initiatives foreseen in this Executive Programme will be carried out within the limits of the budgets and according to the rules prevailing in each Country.

Annexes I, II, III and IV are attached hereto and are integral parts of the present document.

Signed in Cairo, on the 27<sup>th</sup> of December 2012, in two originals in the English language, each text being equally authoritative.

**For the Italian Party**



H. E. Claudio Pacifico  
Ambassador of Italy in Egypt

**For the Egyptian Party**



H. E. Nadia Zakhary  
Minister of Scientific Research of the  
Arab Republic of Egypt

## **Annex I**

### **Members of the two delegations**

#### **ITALIAN DELEGATION**

##### **HEAD OF ITALIAN DELEGATION**

**H. E. CLAUDIO PACIFICO**  
AMBASSADOR OF ITALY IN EGYPT

**COUNS. MASSIMILIANO IACCHINI**  
HEAD OF THE ECONOMIC AND  
COMMERCIAL DEPARTMENT,  
EMBASSY OF ITALY IN EGYPT

**PROF. DR. FRANCO PORCELLI**  
SCIENTIFIC ATTACHE,  
EMBASSY OF ITALY IN EGYPT

**DR. DANTE MARIANACCI**  
DIRECTOR OF THE ITALIAN CULTURAL  
INSTITUTE IN CAIRO

#### **EGYPTIAN DELEGATION**

##### **HEAD OF EGYPTIAN DELEGATION**

**H. E. NADIA ZAKHARY**  
MINISTER OF SCIENTIFIC RESEARCH

**PROF. DR. MAGED ALSHERBINY**  
ASSISTANT MINISTER FOR  
SCIENTIFIC RESEARCH AND  
PRESIDENT OF THE ACADEMY OF  
SCIENTIFIC RESEARCH AND  
TECHNOLOGY

**MS. ZEINAB EL-SADR**  
NATIONAL EU FRAMEWORK  
PROGRAMME COORDINATOR  
MINISTRY OF SCIENTIFIC RESEARCH

**MR. MOHAMED MAHER**  
MINISTRY OF SCIENTIFIC RESEARCH



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## Annex II

**PROJECTS FOR EXCHANGE OF RESEARCHERS SELECTED WITHIN THE FRAME OF THE  
EXECUTIVE PROGRAMME OF SCIENTIFIC AND TECHNOLOGICAL COOPERATION BETWEEN  
THE ITALIAN REPUBLIC AND THE ARAB REPUBLIC OF EGYPT  
FOR THE YEARS 2013 - 2015**

Research area	Project title	Italian partner	Egyptian partner
Health, Biotechnology and Medicine	Antifungal activity of Mediterranean essential oils and their formulations in addition to conventional therapy to reduce drugs overuse and their adverse side effects	PISTELLI LUISA	Elsayed Omer
Design Engineering and Technology	Engineered Materials from Renewable Resources	MELE GIUSEPPE	Behalo Mohamed Sayed Abdel Rahman Sayed
Electronics, Information Communication Technology	Robots and innovative sensors for humanitarian landmine detection	MUSCATO GIOVANNI	Abo-Ismael Ahmed
Energy and Environment	Hybrid Organic-Inorganic Metal Phosphonates: New precursors for cathodic electrode materials	BAUER ELVIRA MARIA	Fouad Fahmy Dina Mamdouh
Geology and Geophysics	Definition of seismic and tsunami hazard scenarios by means of e- infrastructures	PANZA GIULIANO	Hussein Hesham
Nanotechnology and Advanced Materials	The development of aluminium nanocomposites using friction stir processing and semisolid casting for structural applications	MORRI ALESSANDRO	Ahmed Mohamed
Space and Physics	Attosecond electron dynamics of biological molecules	SANSONE GIUSEPPE	Elshakre Mohamed
Technologies applied to Cultural and Natural Heritage	Assessment of best practises for a safe exposure and storage of Cultural Heritage artefacts.	CASALETTO MARIA PIA	Gouda Venice Kamel
Technologies applied to Cultural and Natural Heritage	Application of microbial enzymes and bactericides in the conservation of deteriorated mural paintings	BORIN SARA	Ghaly Mohamed Farouk



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## Annex III

### GENERAL ADMINISTRATIVE AND FINANCIAL PROVISIONS

The bilateral projects to be financed for the exchange of researchers within the present Programme are exclusively those mentioned in Annex 2.

For each project listed in Annex 2, 1 short-term stay (up to 10 days) and 1 long-term stay (30 days) in Italy and 1 short-term stay (up to 10 days) and 1 long-term stay (30 days) in Egypt may be financed yearly within the limits of the available annual resources of each Party.

The researchers will be entitled to the exchange only if they hold the Italian nationality (or another EU nationality and be resident in Italy) for those who travel to Egypt, and the Egyptian nationality for those who travel to Italy.

The costs of accommodation and living shall be covered by the receiving Party, while the costs of international travel up to the host institution shall be covered by the sending Party.

The receiving Party shall provide medical insurance coverage, on the basis of the rules in force in each Country, against work accidents and illnesses, excluding already existing and chronic diseases.

Within 15 days after finishing their visit, the Italian researchers have to submit to the Italian Ministry for Foreign Affairs (*DGSP – Unità per la Cooperazione Scientifica e Tecnologica, Piazzale della Farnesina 1 - 00135 Roma Italy*) a final report on the activities carried out. The Egyptians researchers have to submit the reports to *Ministry of Scientific Research, Scientific Affairs dept, 101 Kasr El-Aini St., 2nd floor, Cairo, Egypt*.

The reports must be signed by both the Italian and Egyptian visiting researchers involved in the joint research project.

#### VISIT OF EGYPTIAN RESEARCHERS TRAVELLING TO ITALY

The Egyptian Party will pay the international travel expenses to researchers holding Egyptian nationality.

The supplied tickets will be the most economical ones available for the trip, economy class (2<sup>nd</sup> class) flight/train/ride. Any additional cost shall be borne by the researchers.

#### STAY OF EGYPTIAN RESEARCHERS IN ITALY

The date of the visit (both for long and short terms) should be agreed between the visiting researchers and the host Italian coordinator. Egyptian researchers may obtain the authorization for the visit from the Italian Ministry of Foreign Affairs (MAE) only by submitting application form online at this url: <http://www.esteri.it/ricercatori/default.asp>.

An invitation letter from the host Italian Institution, signed by the Italian Coordinator, must be uploaded to the online application. The Italian Ministry for Foreign Affairs, after checking the application for accuracy, if covering funds are available, will authorize the visit and pay for the visit allowance; the Italian Ministry for Foreign Affairs will inform the Italian Embassy in Egypt, the Egyptian researcher and the Italian project coordinator. The application must be submitted at least two months before the scheduled date of the visit. The letter of grant from the Italian Ministry for Foreign Affairs can be used for obtaining the Italian visa.

Details of the above mentioned rules and the online application are available on the web site of the Ministry of Foreign Affairs:



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[http://www.esteri.it/MAE/EN/Politica\\_Estera/CooperScientificaTecnologica/ProgrammiEsecutivi/MobilitaRicercatori/MobilitaRicercatoriStranieri.htm?LANG=EN](http://www.esteri.it/MAE/EN/Politica_Estera/CooperScientificaTecnologica/ProgrammiEsecutivi/MobilitaRicercatori/MobilitaRicercatoriStranieri.htm?LANG=EN)

Any cancellation of the visit by the researcher, unless due to serious and valid reasons, might prevent the hosting Party from accepting further applications for subsequent missions.

The Italian Party will finance, yearly, for each project listed in Annex 2, 1 short-term stay (up to 10 days) and 1 long-term stay (30 days).

The Italian Party shall provide 1300,00 Euro per month for long-term stays (30 days) and 93,00 Euro per day for short-term stays (up to 10 days). The above-mentioned amounts shall be paid to the Egyptian researchers entirely in one instalment at their arrival in Italy.

Egyptian researchers will receive their grants at the nearest Provincial Treasury (local branch of the Banca d'Italia).

#### VISIT OF ITALIAN RESEARCHERS TRAVELLING TO EGYPT

Italian researchers travelling to Egypt for a research stay are required to submit the online application to the Unit for Scientific and Technological Cooperation – Directorate General for Country Promotion (Economy, Culture and Science) of the Italian Ministry of Foreign Affairs at this url: <http://www.esteri.it/ricercatori/ricercatoriItaliani/Start.asp>.

Applications must be submitted to the Italian Ministry of Foreign Affairs no later than two months prior to the foreseen date of departure. Details of the above mentioned rules and the online application are available on the web site of the Ministry of Foreign Affairs:

[http://www.esteri.it/MAE/IT/Politica\\_Estera/Cultura/CooperScientificaTecnologica/ProgrammiEsecutivi/MobilitaRicercatori/MobilitaRicercatoriItaliani.htm](http://www.esteri.it/MAE/IT/Politica_Estera/Cultura/CooperScientificaTecnologica/ProgrammiEsecutivi/MobilitaRicercatori/MobilitaRicercatoriItaliani.htm)

The Italian Party will pay the international travel expenses to researchers holding Italian nationality (or any EU nationality and resident in Italy).

The supplied tickets will be the most economical ones available for the trip. Any additional cost shall be borne by the researcher.

#### STAY OF ITALIAN RESEARCHERS IN EGYPT

The Egyptian Party will finance, yearly, for each project listed in Annex 2, 1 short-term stay (up to 10 days) and 1 long-term stay (30 days).

The Egyptian Party will provide a contribution of 10.000 EGP per month for long-term stay, or a daily allowance of 725 EGP per day for short-term stay, towards accommodation and living expenses in Egypt to Italian researchers visiting Egypt.

Italian researchers will receive their grants directly from the Egyptian host institution.

#### REPORTS ON THE PROJECT

At the end of each year the Italian and the Egyptian coordinators will jointly report on the progress of their project. Funding for the next year will not be granted if the coordinators fail to submit their progress reports.

The Italian coordinators have to submit the reports to:

*Italian Ministry for Foreign Affairs*

*DGSP – Unità per la Cooperazione Scientifica e Tecnologica,*

*Piazzale della Farnesina 1 - 00135 Roma Italy*

The Egyptian coordinators have to submit the reports to:

*Ministry of Scientific Research*

*Scientific Affairs Dept.*

*101 Kasr El-Aini St., 2nd floor, Cairo, Egypt.*



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## Annex IV

**SIGNIFICANT RESEARCH PROJECTS SELECTED WITHIN THE FRAME OF THE EXECUTIVE  
PROGRAMME OF SCIENTIFIC AND TECHNOLOGICAL COOPERATION  
BETWEEN THE ITALIAN REPUBLIC AND ARAB REPUBLIC OF EGYPT  
FOR THE YEARS 2013 - 2015**

Research area	Project title	Italian partner	Egyptian partner
Health, Biotechnology and Medicine	Biotechnological applications of marine sponge-associated microorganisms and Biological Evaluation of Bioactive Compounds	TOMMONARO GIUSEPPINA	Abd El Hady Faten K.
Nanotechnology and Advanced Materials	Smart optical nanostructures for green photonics	FERRARI MAURIZIO	Battisha Inas Kamal
Agriculture and Food Science and Technology	Fertility of buffalo and cattle under heat stress conditions	PIZZI FLAVIA	Abdoon Ahmed Sabry
Electronics, Information Communication Technology	Recovering the Sight to Blind People in Indoor Environments with Smart Technologies	MELGANI FARID	Salem Mohammed Abdel-Megeed
Geology and Geophysics	Geology, geophysics and geochronology of Kamil Crater, Egypt: implications for cratering mechanism, impact hazard and the history of the Ancient Egypt	FOLCO LUIGI	El-Barkooky Ahmed
Technologies applied to Cultural and Natural Heritage	Archaeological Egyptian Heritage and Materials: advances in non invasive portable spectroscopy and imaging analysis	COMELLI DANIELA	Elnaggar Abdelrazek
Energy and Environment	New materials with low environmental impact for thin film solar cells fabrication	ACCIARRI MAURIZIO FILIPPO	Boshta Mostafa
Technologies applied to Cultural and Natural Heritage	A scientific approach to the conservation of printed photos	CILIBERTO ENRICO	Fouad Mona



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