



**AGREEMENT  
ON SCIENTIFIC COOPERATION  
BETWEEN  
THE INDIAN NATIONAL SCIENCE ACADEMY  
AND  
THE HUNGARIAN ACADEMY OF SCIENCES**

In the spirit of the Agreement on scientific cooperation signed on 23 August 2001 and renewed on 10 March 2003 and 27 November, 2006 between the Indian National Science Academy and the Hungarian Academy of Sciences and (hereinafter called two Academies) and for further strengthening of scientific cooperation the two Academies have agreed upon as follows:

**Article 1**

The two Academies within their purview will promote and support cooperation between scientists and scientific institutions of both the countries in all recognized branches of fundamental research in science and technology with special emphasis on specially chosen areas.

**Article 2**

The Academies will promote scientific cooperation through the following areas:

- Exchange of scientific information and publications and the scientific materials;
- Exchange of scientists for research visit and for facilitating the exchange of scientific knowledge;
- Support to bilateral seminars and symposia in some frontier areas covered in the programme of cooperation;
- Support to Joint Research Project by the cooperating Institutions.

**Article 3**

The Areas of Cooperation for joint research and Research Projects approved by the two Academies are listed in Annexures 1 and 2.



#### **Article 4**

The cooperating institutions will prepare joint research projects stipulating:

- aims of the joint research project
  - forms of cooperation
  - obligations of both sides
  - programme of the research project
  - scientists responsible for the implementation of the project
- a) The joint research projects should have the approval of the two Academies.
  - b) The two Academies will support the joint research projects with the participation of scientists from each country.
  - c) The duration of the joint research projects will be up to three years.
  - d) The sending organization will bear the international travel costs of the visiting researchers and the receiving organization will cover their daily allowances, accommodations, and domestic travel while in the host country. Each organization will bear a limited amount of research expenses for the participants from its own country.
  - e) The number of joint research projects to be supported each year will be mutually approved in advance by both organizations.

#### **Article 5**

The two Academies will support the organization of joint seminars/symposia alternately held in India and Hungary with the participation of up to ten scientists from both sides on mutually accepted areas.

- a) The joint scientific seminars are to be meetings held on a small scale. The duration of the meeting would be less than a week.
- b) The sending organization will bear the international travel costs of the visiting researchers and the receiving organization will cover their daily allowances, accommodations, and domestic travel while in the host country. The host organization will also cover other costs related to holding the seminar.
- c) The number and fields of joint seminars to be supported will be mutually agreed upon in advance by both the organizations.



## Article 6

Both the sides agreed to endorse and support the participation of the scientists in the multilateral funding projects including EU and UN agencies under the framework of the INSA-HAS Agreement.

## Article 7

Under the bilateral Agreement the two Academies will implement the exchange of scientists as follows:

- a) **Short Study Tours:** (1 to 4 weeks) with a view to visit laboratories/institutions in the host country, maximum in 3 different cities during one research program to explore new areas of joint research projects, to review the ongoing program, to establish contacts and to attend seminars/symposia.
- b) **Scholarships:** 1 month to 3 months or longer periods with a view to work on common research projects and to learn new techniques, preferably in one institute.

## Article 8

Each Academy will provide financial means for exchange of scientists according to Article 7 up to 20 man-months per year. The annual quota will be a subject of negotiation if proposed by any of the two Academies.

## Article 9

The Organizations will require participating scientists to abide by the laws of the receiving country and regulations of the host institutions.

## Article 10

The host R&D institutions will encourage researchers and their institutions to ensure the protection and proper distribution of intellectual property rights resulting from projects funded under this Agreement. Due acknowledgement of support receiving from the Academies should be made in any publication resulting from the research.



### **Article 11**

The sending Academy will be responsible for nominating scientists to the host Academy.

While nominating scientists, the sending Academy will supply the host Academy with essential information regarding the nominees preferably 3 months prior to the commencement of the visit. The information to be provided will include the following.

- 1) The category of the visit
- 2) Family name, first name, scientific title
- 3) Place and date of birth
- 4) Passport details
- 5) Short scientific biography and present job
- 6) Field of Specialization
- 7) Significant scientific publications (maximum-6)
- 8) Knowledge of languages
- 9) Commencement and duration of stay
- 10) Scientific program with details of institutes proposed to be visited and names of scientists to be contracted
- 11) Any other details concerning the visit

The host Academy will inform the sending Academy of the acceptance of the nomination not later than two months after receiving it.

The sending Academy will inform the host Academy about travel details of the scientists at least 14 days before the commencement of the visit.

### **Article 12**

Financial terms of the exchange visits carried out under the Articles 7 (a) and 7 (b) are regulated in Annexure 2.

### **Article 13**

The responsibility for the provision of adequate insurance for medical and other emergencies will rest with the sending Academy.



#### **Article 14**

Representatives of the two Academies will meet once in three years to :

- analyse the status of the program
- discuss the extension of the forms of the cooperation
- discuss the financial conditions necessary for the implementation of the cooperation
- discuss the joint research projects

#### **Article 15**

The present Agreement concluded between the Indian National Science Academy and the Hungarian Academy of Sciences comes into force after the ratification by the appropriate bodies of the two Academies and will be valid for a period of three years. It will be automatically renewed for the same period – length of time unless one of the partners gives in writing otherwise at least six months prior to the date of expiration.

The two Academies can make proposals for amendment of the Agreement or for its modification at any time.

Signed at Budapest on 18 November 2011 in two equally authorized copies in English language, both equally valid.

***On behalf of the***  
**Indian National Science Academy**

***On behalf of the***  
**Hungarian Academy of Sciences**

**(Krishan Lal)**  
**President**

**(Jozsef Palinkas)**  
**President**



## Annexure – 1

### Areas of Scientific Cooperation

The two Academies have agreed to promote cooperation within the identified areas for the next three years 2012-2014. The spirit of the cooperation will be achieved by exchange of scientists, joint workshops/seminars and joint research projects in the identified areas of research listed below. Some researchers in other frontier areas not listed here would also be welcomed to take part in the programme.

**Mathematics:** Mathematical Statistics & Probability Theory; Mathematical Physics; Theoretical and Applied Mathematics; Informatics.

**Physics:** Theoretical Physics; Quantum Physics; Liquid Crystal Studies Acoustics; Magnetic and Transport Properties; Semiconductors; Plasma Physics; Astronomy, Renewable Energy

**Chemistry:** Structural Inorganic Chemistry and Organometallic Chemistry; Polymers and corrosions; Catalytic and Electrochemistry; Soil chemistry.

**Earth Sciences:** Electromagnetic/Magnetotelluric and geomagnetic induction studies: Global Climatic change.

**Engineering:** New Engineering Materials, Biomaterials, Materials Chemistry and Nanomaterials; Mass Transfer including treatment from chemical industry; Tribology; Software developments, Nano Machines.

**Biology:** Systems Biology, Cell Biology, Structural Biology, Bioinformatics, Biotechnology, Genomics and Immunology, Plant Stress and Plant Phenotyping, Plant Molecular Biology.

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## Annexure – 2

### **Financial Terms of the Agreement signed by The Indian National Science Academy And The Hungarian Academy of Sciences**

#### **1. Living Expenses:**

The Academies will provide hospitality for exchange visitors received under Article 7 of the Agreement, according to the following terms:

#### **Short study tours (1 to 4 weeks)**

##### **Accommodation :**

The host Academy provides suitable accommodation – hotel rooms (with bath or shower) and covers the expenses directly.

##### **Board**

To cover the cost of meals and other expenses the visitor will receive a daily allowance of HUF \_\_\_\_\_ per day, in Hungary and Rs. \_\_\_\_\_ per day in India paid in advance.

#### **Scholarships (1 month to 3 months)**

##### **In India**

The host Academy will provide free accommodation in a guest house or hotel plus subsistence allowance of Rs. \_\_\_\_\_ per month paid in advance to cover the cost of meals and incidental expenses.

##### **In Hungary**

The host Academy will provide free accommodation plus subsistence allowances of HUF \_\_\_\_\_ per month paid in advance to cover the cost of meals and incidental expenses.



## **2. Travel :**

In both kinds of programs international travel expenses to the capital of the host country and back will be met by the sending Academy. Transportation costs inside the host country that are necessary for the realization of the previously accepted working programme, will be met by the host Academy.

## **3. Registration Fee:**

In case the scientist wishes to attend a conference/symposium during the visit, the registration fee will be paid by the host Academy.

## **4. Insurance :**

The responsibility for the provision of adequate insurance for medical and other emergencies will rest with the sending Academy.

## **5. Accompanying persons :**

Expenses of the accompanying spouse/family members will be borne by the visiting scientist. The host Academy may help in arranging suitable double room accommodation.

***On behalf of the***  
**Indian National Science Academy**

***On behalf of the***  
**Hungarian Academy of Sciences**

**(Krishan Lal)**  
**President**

**(Jozsef Palinkas)**  
**President**