

**Indian National Science Academy**  
**Bahadur Shah Zafar Marg, New Delhi-110002**

No.IA/SL-2009-2010/

Dated: March 5,09

**OFFICE MEMORANDUM**

**Sub:** Nomination of Indian scientists to visit abroad under the International Collaboration/Bilateral Exchange Programme during 2009-2010.

On the recommendations of the Inter Academy Exchange Committee, the Academy has short listed the name of the Indian scientists (Annexure-I) to visit abroad under International Collaboration/Bilateral Exchange Programme during 2009-10. with 50% travel support. The local hospitality and internal travel will be borne by the host Academy/ Organization in the visiting country as per the norms. With the objective to develop long term scientific linkages among Indian and Foreign Scientists, the scientists nominated under the Exchange Programme are expected to develop Joint Research Project with their counterpart abroad in consonant with their regular ongoing research programme in the department/Institution.

The selected scientists may send to the Academy (INSA) the following documents duly completed through proper channel along with their consent on the offer:-

1. Form of Proposal-two copies, one copy through by Email. (Annexure-II)
2. Certificate duly signed by the Head of the organization/institute. (Annexure-III)
3. Outline of the research project proposal to be carried out with the host scientist abroad.
4. The scientists selected for UK may also request their host in UK to apply to the Royal Society, London via e-GAP system. The Guidelines from The Royal Society, London to be followed and the proforma to be completed by the UK host are available at the website: <http://www.royalsoc.ac.uk>

According to the guidelines of the Academy, the scientists considered for nomination under the programme are expected to undertake the visit within the financial year

up to 31<sup>st</sup> March, 2010 and it is subject to the acceptance by the host Academy/Organization. In the absence of the acceptance to this offer and the above documents completed by 31<sup>st</sup> October, 2009 it will be presumed that the scientist is not interested in availing the offer and the nomination will be automatically stand cancelled.

In case the scientists are planning visit prior to June, 2009 they may send , the above papers immediately through electronically.

( A.K. Jain )  
Inter Academy Officer

- Annexure –I List of the scientists selected
- Annexure-II Form of Proposal
- Annexure-III Certificate to be signed by the Head of the Institution

**LIST OF INDIAN SCIENTISTS SELECTED FOR NOMINATION UNDER INTERNATIONAL  
COLLABORATION/EXCHANGE PROGRAMME  
(2009-2010)**

Sl. No.	Name, Age and Address	Research Area	Duration of visit
<b><u>BRAZIL</u></b>			
1.	Prof V Sitaramam (62) Professor of Biotechnology (Retd.) University of Pune Plot No. 18, S. No. 245 Anant Cooperative Housing Society D.P. Road Pune-411007	Biophysics Biochemistry	4 weeks
<b><u>CHINA</u></b>			
1.	Dr A John De Britto (48) Reader in Plant Biology & Biotechnology St. Xavier's College Palayamkottai-627002 Tamil Nadu	Molecular Biology	4 weeks
2.	Dr Chandra Prakash Srivastava (52) Deptt. Of Entomology & Agrl. Zoology Institute of Agricultural Sciences Banaras Hindu University Varanasi-221005	Entomology and Agricultural Zoology	3 weeks
3.	Mr Y S Rajpurohit (27) Scientific Officer-C, 2-46-S, Modular Lab, A-Block, Bhabha Atomic Research Centre Mumbai-400085	Molecular Biology	4 weeks
4.	Prof. Bharat Chandra Saha (54) Genetic & Plant Breeding Department Uttar B Krishi Viswavidalaya P.O. Pundibari, District Cooch Behar West Bengal-736165	Agriculture (Plant Breeding)	4 weeks

## **CZECH REPUBLIC**

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|----|--|------------------------|---------|
| 1. | Prof. Mohan D Sharma (47)<br>Department of Mathematics<br>Kurukshetra University<br>Kurukshetra-136119 | Mathematics/Geophysics | 4 Weeks |
|----|--|------------------------|---------|

## **EDINBURGH**

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|----|--|---|---------|
| 1. | Dr Tapan Kumar Adhya, FNA (59)<br>Principal Scientist (Microbiology)<br>Central Rice Research Institute (CRRl)<br>Cuttack-753006<br>Orissa               | Global Climate change &<br>Carbon Sequestration | 4 weeks |
| 2. | Prof. T Pradeep (45)<br>Deptt. Of Chemistry & Sophisticated Analytical<br>Instrument Facility<br>Indian Institute of Technology Madras<br>Chennai-600036 | Chemical Physics                                | 4 weeks |
| 3. | Prof. R Vijaya (44)<br>Department of Physics<br>Indian Institute of Technology Bombay<br>Mumbai-400076   | Photonics                                       | 4 weeks |

## **FRANCE**

- |    |  |                                    |         |
|----|--|------------------------------------|---------|
| 1. | Prof. Debashish Goswami (36)<br>Indian Statistical Institute<br>203 B T Road<br>Kolkata-700108                             | Mathematics                        | 2 weeks |
| 2. | Prof. V. Nanjundiah, FNA (61)<br>Dept. of Biology & Genetics Laboratory<br>Indian Institute of Science<br>Bangalore-560012 | Development Biology &<br>Evolution | 2 weeks |

## **GERMANY**

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|----|-------------------------|---------------------------|----------|
| 1. | Dr Premananda Bera (41) | Hydrodynamic stability in | 3 months |
|----|-------------------------|---------------------------|----------|

	Associate Professor Department of Mathematics Indian Institute of Technology Roorkee Roorkee-247667	porous media	
2.	Prof. P Mondal (48) Saha Institute of Nuclear Physics 1/AF Bidhannagar Calcutta-700064	Condensed Matter Physics	3 months
3.	Dr Swapan Mandal (45) Reader in Physics Visva-Bharati, Santiniketan-731235	Quantum Optics	3 months
4.	Dr Susanta Banerjee (44) Associate Professor Materials Science Centre Indian Institute of Technology Kharagpur Kharagpur-721302 West Bengal	Polymer Chemistry	2 months
5.	Prof Lallan Mishra (58) Department of Chemistry Banaras Hindu University Varanasi-221005	Inorganic Chemistry	4 weeks
6.	Dr. K M Parida (56) Scientist-G Colloids & Materials Chemistry Deptt. Institute of Minerals & Materials Tech. Bhubaneswar-751013	Material Chemistry & Catalysis	6 weeks
7.	Dr. Satya Paul (41) Associate Professor Department of Chemistry University of Jammu Jammu-180006	Organic Synthesis	3 months
8.	Dr. M Paramasivam (47) Scientist E-II Electrodics & Electrocatalysis Division Central Electrochemical Research Institute Karaikudi-630006	Conducting Polymer and their applications	3 months
9.	Dr Satish K Awasthi (45)	Synthetic & Medicinal	3 months

	Reader Department of Chemistry Delhi University Delhi-110007	Organic Chemistry/ Biology	
10.	Prof. C Siva Ram Murthy (48) Computer Sc. & Engineering Deptt. Indian Institute of Technology Madras Chennai-600036	Computer Networks	8 weeks
11.	Dr K N Lakkshmisha (46) Associate Professor Department of Aerospace Engineering Indian Institute of Science Bangalore-560012	Combustion and Energy Sciences	3 months
12.	Dr S Mukhopadhyay (48) Department of Earth Sciences Indian Institute of Technology Roorkee Roorkee-247667	Seismology (Earth Sciences)	4 weeks
13.	Dr Dipak Chandra Pal (36) Senior Lecturer Department of Geological Sciences Jadavpur University Kolkata-700032	Ore Geology and Geochemistry	3 months
14.	Dr. Adinpunya Mitra (40) Associate Professor Agri. & Food Engineering Department Indian Institute of Technology Kharagpur Kharagpur-721302 (WB)	Plant Biochemistry and Biotechnology	2 months
15.	Dr. Shri Kant Tripathi (45) Reader Forestry Department School of Earth Sc. & Natural Resource Management Mizoram University Aizwal-796009	Biological Sciences (Environmental Science)	3 months
16.	Dr B Meena Assistant Professor (Plant Pathology) Coconut Research Station Aliyarnagar-642101	Molecular genetics in plant science	3 months

Tamil Nadu

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| 17. | Dr K Emmanuvel Rajan (36)<br>Lecturer<br>Department of Animal Sciences<br>School of Life Sciences<br>Bharathidasan University<br>Tiruchirappalli-620024 (TN) | Neurobiology<br>(Cognitive Neuroscience)    | 3 months |
| 18. | Prof Madan M Godbole (58)<br>Department of Endocrinology<br>Sanjay Gandhi PG Instt. of Medical Science<br>Raebareli Rod<br>Lucknow-226014 (UP)               | Endocrinology                               | 4 weeks  |
| 19. | Dr Sultan Singh (44)<br>Sr. Scientist (Animal Nutrition)<br>PAR Division<br>Indian Grassland & Fodder Research Instt.<br>Jhansi-284003 (UP)                  | Animal Nutrition                            | 3 months |
| 20. | Dr V R Prabavathy (43)<br>Principal Scientist<br>M S Swaminathan Res Foundation<br>III Cross Street<br>Taramani Institutional Area<br>Chennai-600113         | Microbiology                                | 3 months |
| 21  | Dr. Prikhshayat Singh<br>Head & Principal Scientist<br>Biochemistry Division<br>Indian Agricultural Research Institute<br>New Delhi-110012                   | Biological Sciences<br>(Plant Biochemistry) | 2 weeks  |
| 22  | Dr. Sushil Kumar Pandey (45)<br>Associate Professor<br>Department Of Chemistry<br>University of Jammu<br>Jammu-180 006                                       | Inorganic Chemistry                         | 3 months |

## HUNGARY

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|----|---|--|----------|
| 1. | Dr D S Shankar Rao (44)<br>Centre for Liquid Crystal Research<br>Post Box No. 1329, Jalahalli<br>Bangalore-560013                               | Liquid Crystals  | 2 months |
| 2. | Dr Raghunath Acharya (39)<br>Scientific Officer (F)<br>Radiochemistry Division<br>Bhabha Atomic Research Centre<br>Mumbai-400085                | Nuclear Analytical<br>Chemistry: Prompt<br>Gamma ray NAA | 2 months |
| 3. | Mr Kathi Sudarshan (34)<br>Scientific Officer (E)<br>Radiochemistry Division<br>Bhabha Atomic Research Centre<br>Mumbai-400085                  | Nuclear and<br>radiochemistry                            | 2 months |
| 4. | Prof Satyajit Pradhan (47)<br>Radiotherapy & Radiation Medicine<br>Institute of Medical Sciences<br>Banaras Hindu University<br>Varanasi-221005 | Radiotherapy<br>(Clinical Oncology)                      | 3 weeks  |

## JAPAN

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|----|--|-----------------------------------|---------|
| 1. | Prof Brindaban C Ranu FNA (59)<br>Head<br>Organic Chemistry Department<br>Indian Association for the Cultivation of<br>Science, Jadavpur<br>Kolkata-700032 | Organic Synthesis                 | 4 weeks |
| 2. | Prof S R Gadre FNA (58)<br>Chemistry Department<br>University of Pune<br>Pune-411007   | Theoretical Chemistry             | 4 weeks |
| 3. | Prof J N Moorthy (44)<br>Chemistry Department<br>Indian Institute of Technology Kanpur<br>Kanpur-208016  | Organic Chemistry                 | 4 weeks |
| 4. | Dr Swapan Kumar Das (48)<br>Scientist (E-I), MST Division<br>National Metallurgical Laboratory (CSIR)  | Nanostructure<br>Characterization | 4 weeks |

Jamshedpur-831007

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|----|--|---|----------|
| 5. | Dr Deepankar Choudhury (34)<br>Associate Professor<br>Civil Engineering Department<br>Indian Institute of Technology Bombay<br>Mumbai-400076                     | Civil Engineering<br>(Geotechnical<br>Earthquake)   | 3 months |
| 6. | Prof A S Rghavendra (57)<br>Dean<br>School of Life Sciences<br>University of Hyderabad<br>Hyderabad-500046   | Plant Biology                                       | 4 weeks  |
| 7. | Dr Dennis Thomas T (38)<br>Department of Botany<br>PG and Research Deptt. of Botany<br>St. Thomas College<br>Pala, Arunapuram (P.O)<br>Kottayam-686574<br>Kerala | Plant Tissue Culture &<br>Protoplast regeneration   | 3 months |
| 8. | Dr Rajendra Nath Singh (50)<br>Reader<br>Entomology Department<br>Institute of Agricultural Sciences<br>Banaras Hindu University<br>Varanasi-221005              | Entomology & Agricultural<br>Zoology                | 3 months |
| 9. | Dr R K Jain (50)<br>Scientist-G<br>Institute of Microbial Technology<br>Sector 39A<br>Chandigarh-160036  | Environmental<br>Microbiology/ Molecular<br>Biology | 4 weeks  |

### **KOREA**

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|----|---|--|---------|
| 1. | Prof. Manoranjan Sarkar (58)<br>Saha Institute of Nuclear Physics<br>1/AF Bidhannagar<br>Kolkata-700064 | Atomic Physics                           | 2 weeks |
| 2. | Prof. J S Bhat (51)<br>Physics Department<br>Karnatak University<br>Dharwad-580003<br>Karnataka         | Thin Films & Condensed<br>Matter Physics | 6 weeks |

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| 3. | Dr. A.K. Srivastav (43)<br>Material Characterization<br>National Physical Laboratory<br>Dr. K.S. Krishnan Marg<br>New Delhi-110 012  | Semiconducting Materials<br>Growth             | 2 months |
| 4. | Dr. G.B. Kolekar (42)<br>Reader in Physical Chemistry<br>Fluorescence Spectroscopy<br>Research Laboratory<br>Chemistry Department<br>Shivaji University<br>Kolhapur-416004 | Fluorescence<br>Spectroscopy                   | 2 months |
| 5. | Prof Ranjan Ganguli<br>Aerospace Engineering<br>Indian Institute of Science<br>Bangalore-560012  | Aeronautics                                    | 2 months |
| 6. | Prof. H.N. Murthy (48)<br>Botany Department<br>Karnatak University<br>Dharwad-580003<br>Karnataka  | Plant Bio- Technology<br>Bioprocess Technology | 2 months |
| 7. | Dr K Kalaiselvi (40)<br>Lecturer<br>Department of Biochemistry & Bio-tech.<br>Avinashilingam University for Women<br>Coimbatore-641043                                     | Biochemistry                                   | 2 months |

### **NEPAL**

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|----|--|---|---------|
| 1. | Prof B B Hosetti (51)<br>Deptt of Applied Zoology<br>Kuvempu University<br>Shankaraghatta-577451<br>Dist. Shimoga<br>Karnataka | Wildlife and<br>Biodiversity conservation | 4 weeks |
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### **THE NETHERLANDS**

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|----|---|----------|---------|
| 1. | Prof N P Todaria (57)<br>Head<br>Department of Forestry | Forestry | 2 weeks |
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H N B Garhwal University  
Srinagar (Garhwal)-246174  
Uttarakhand

### **POLAND**

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|----|--|---|----------|
| 1. | Prof Sushil Sharma (56)<br>166-B, Vivekanand Colony<br>Ujjain-456010 (MP)  | Analysis, Topology, Fuzzy<br>set theory | 3 months |
| 2. | Dr Arvind Kumar Srivastava (53)<br>Scientist (Group-IV)<br>Division of Biochemistry<br>Central Drug Res. Institute<br>Lucknow-226001 | Biochemistry                            | 4 weeks  |

### **RUSSIA**

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|----|---|--------------------------------|---------|
| 1. | Dr Arindam Bhattacharyya (34)<br>Environmental Science Deptt<br>Kalyani University<br>Kalyani-741235 (WB) | Biochemistry & Cell<br>Biology | 2 weeks |
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### **SLOVAK REPUBLIC**

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|----|---|---|----------|
| 1. | Dr Subiman Kundu (51)<br>Associate Professor<br>Indian Institute of Technology Delhi<br>Hauz Khas, New Delhi-110016 | Function Space, General,<br>Set-Theoretic | 3 weeks  |
| 2. | Dr D K Mishra (33)<br>Lecturer in Physics<br>V S Mehta College of Science<br>Bharwari, Kaushambi-212201 (UP)        | Quantum Optics                            | 2 months |
| 3. | Dr Ashis Kumar Panda (37)<br>Scientist-C, MST Division<br>National Metallurgical Laboratory<br>Jamshedpur-831007    | Nano-structured<br>Magnetic Materials     | 2 months |
| 4. | Dr Anil Kumar Tripathi (49)<br>School to Biotechnology<br>Banaras Hindu University<br>Varanasi-221005 (UP)          | Molecular Biology<br>Biotechnology        | 3 weeks  |

## **TURKEY**

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|----|--|---|---------|
| 1. | Prof V Nanjundiah, FNA (61)<br>Dept. of Biology & Genetics Laboratory<br>Indian Institute of Science<br>Bangalore-560012           | Development Biology &<br>Evolution            | 2 weeks |
| 2. | Dr Shakir Ali (42)<br>Professor & Head<br>Biochemistry Department<br>Jamia Hamdard University<br>Hamdard Nagar<br>New Delhi-110062 | Biochemistry                                  | 2 weeks |
| 3. | Prof. K S Jagadeesh (50)<br>Agriculture Microbiology Deptt.<br>University of Agricultural Sciences<br>Dharwad-580005 (Karnataka)   | Microbial Biotechnology of<br>crop protection | 2 weeks |

## **UNITED KINGDOM**

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|----|--|--|----------|
| 1. | Dr Rama Bhargava (52)<br>Department of Mathematics<br>Indian Institute of Technology Roorkee<br>Roorkee-247667                                 | Applied Mathematics<br>Computational Fluid<br>Dynamics | 4 weeks  |
| 2. | Mr Baljeet Singh (37)<br>Lecturer, Mathematics Department<br>Govt. College, Sector 11<br>Chandigarh-160011                                     | Wave Propagation in<br>Solids                          | 3 months |
| 3. | Prof S D Rindani FNA (56)<br>Theoretical Physics Division<br>Physical Res. Laboratory<br>Navrangpura<br>Ahmedabad 380009                       | Particle Physics<br>(Phenomenology)                    | 4 weeks  |
| 4. | Dr Pratibha Sharma (34)<br>Assistant Professor<br>Deptt. of Energy Sc. & Engineering<br>Indian Institute of Technology Bombay<br>Mumbai-400076 | Physics,<br>Materials Sc.                              | 2 weeks  |
| 5. | Prof Suresh Chandra (59)<br>Director<br>School of Physical Sciences<br>S.R.T.M. University   | Physics, Astrophysics,<br>Plasma Physics               | 3 months |

Nanded 431606  
Maharashtra

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| 6.  | Dr Amarnath Maitra, FNA (65)<br>INSA Senior Scientist<br>Chemistry Department<br>University of Delhi<br>Delhi-110007                               | Namomedicine  | 3 weeks  |
| 7.  | Dr K Venkateswarlu (44)<br>Scientist E-I, MST Division<br>National Metallurgical Laboratory<br>Jamshedpur-831007                                   | Nano materials  | 4 weeks  |
| 8.  | Prof. M K Surappa (56)<br>Materials Engineering Deptt.<br>Indian Institute of Science<br>Bangalore-560012  | Metallurgy and Materials<br>Sciences                              | 3 weeks  |
| 9.  | Dr Raghavendra Rao (62)<br>CSIR Emeritus Scientist<br>Central Instt of Medicinal & Aromatic Plants<br>Allalassandra, GKVK P.O.<br>Bangalore-560065 | Biodiversity, Conservation<br>Medicinal plants, Plant<br>taxonomy | 3 weeks  |
| 10. | Prof. Irfan Ahmad (55)<br>Department of Zoology<br>Aligarh Muslim University<br>Aligarh-202002   | Zoology<br>(Plant & Soil Nematology)                              | 3 months |
| 11. | Dr. S. Sriramachari FNA (83)<br>INSA Honorary Scientist<br>C/o Institute Of Pathology (ICMR)<br>Safdarjung Hospital Campus<br>New Delhi-110 029    | Hepatic Pathology   | 4 weeks  |
| 12. | Dr. Arun Kumar Jain (49)<br>Scientist (E)<br>C/o Institute Of Pathology (ICMR)<br>Safdarjung Hospital Campus<br>New Delhi-110 029                  | Medicine<br>(Pathology)   | 3 months |
| 13. | Dr Jyotirmoy Bhattacharya (36)<br>Lecturer<br>Department of Biotechnology  | Molecular Plant Microbe<br>interaction                            | 3 months |

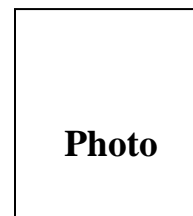
Mizoram University  
Aizawl-796009

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|-----|--|---------------------------------|----------|
| 14. | Dr Badri Narain Pandey (39)<br>Scientific Officer "F"<br>Radiation Biology and Health Sc. Division<br>Bhabha Atomic Research Centre<br>Mumbai-400085 | Radiation and Cancer<br>Biology | 3 months |
| 15. | Dr. R Ramesh<br>Sr. Lecturer<br>School of Chemistry<br>Bharathidasan University<br>Tiruchirappalli-620024 (TN)                                       | Organomettallic Chemistry       | 3 months |
| 16. | Dr. Usha Rani Singh (55)<br>Department of Pathology<br>University College of Medical Sciences<br>Shahdara, Delhi-110 095                             | Medicine<br>(Pathology)         | 4 weeks  |

### **UKRAINE**

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|----|---|--|---------|
| 1. | Prof P K Raina (50)<br>Physics & Meteorology Department<br>Indian Institute of Tech. Kharagpur<br>Kharagpur-721302 (WB) | Nuclear, Particle and<br>Astroparticle | 2 weeks |
|----|---|--|---------|

**Proposal for the Deputation of Scientists under the  
Agreement of Scientific Cooperation  
(To be typewritten)**



1. **Country to be visited:** \_\_\_\_\_
  2. **Full Name & Present Position:** \_\_\_\_\_ **Date of Birth:** \_\_\_\_\_  
(Indicate Surname first)
  3. **Address for correspondence :** ( with Tel. /Fax/ Mob/e.mail)
  4. **Brief Biodata:** (maximum 200 words)
  5. **Significant Publications:**(maximum of 4 related to proposed work)
  6. (a) **Duration of visit:** ..... Days /weeks/months  
  
(b) **Expected date of departure:**.....
  7. **Programme of visit:** (with tentative dates)  
(Please attach copies of the correspondence with host scientists/institutions in the country to be visited)
- 
- | Name of host Scientist & Institution | Period of stay |
|--------------------------------------|----------------|
|--------------------------------------|----------------|
- 
8. **Brief plan of research to be carried out/proposed joint project:** (attach separate sheet)
  9. **Title of the lecture:** ( for short term visitors)
  10. **Passport No.** ..... **Date of issue** ..... **Place of issue** .....

(Signature of the Applicant)

**CERTIFICATE TO BE SIGNED BY THE HEAD OF THE  
INSTITUTE/ORGANISATION/UNIVERSITY**

Certified that Professor / Dr ..... Selected under the Bilateral Exchange Programme of Indian National Science Academy to visit .....for ..... weeks/months will be provided 50% air fare ( from place of duty to ..... And back) by our Institute /University and the period of deputation abroad will be treated as on duty. The Institute/University will provide full salary and allowances.

Date.....

Signature of the Head of  
the Institute/University/Organisation  
with seal of the Officer