



## CSIR – CAS Cooperation Programme Call for Research-oriented Visit Proposals for the year 2016



In compliance with the Protocol on Scientific Cooperation signed by the Council of Scientific and Industrial Research (CSIR) and the Czech Academy of Sciences (CAS) on 20 June 1995 and to initiate project based cooperation, CSIR and CAS have agreed to prepare and sign a new Agreement on scientific cooperation in order to launch project-based cooperation that would support joint research projects for three years duration from 2017.

In order to continue cooperation in the year 2016, CSIR and CAS have extended the current joint Working Programme (2012-2014) to continue cooperation in the form of Exchange of Scientists in 2016. The agreed quota for Exchange of scientists is 120 man-days for each side in the year 2016. The procedure of exchange of scientists shall be based on the terms and conditions of the Protocol and the Working Programme for 2012-2014 as given below. Registration fees for attending conference, symposium, workshop etc. shall not be covered by the receiving side.

Support provided by CSIR, India	Support provided by CAS, Czech Republic
International travel (cheapest economy class) to upto five CSIR scientists;	International travel to upto five CAS scientists;
Per diem to upto five Czech scientists (per diem @Rs.1000 per day) + Hotel accommodation @Rs.4500 per night (in case suitable guest house not available / under renovation)	Per diem upto 554 CZK per day to upto five Indian scientists (per diem depends on provided meals – ie. accommodation with breakfast etc.). Accommodation (up to 1600 CZK per night).

CAS is the largest R&D organization in the Czech Republic with 53 Institutes in distinct fields of Science & Technology including social sciences. Of these 36 institutes, as listed in **Annexure – I**, have research activities similar to those of CSIR. The details of research activities of these institutes are available at the given links.

CSIR would like to enhance cooperation with CAS in all areas of its research activities. However, in order to be focused, it is proposed to encourage cooperation in the areas of Aerospace (Civil Aviation, Aerodynamics, Turbine design), Micro machines and Robotics / Mechatronics, System Engineering, Energy Efficiency (Energy from Algae, Hydrogen Storage, etc), Life Sciences (Bioremediation and Biocatalysis), Mining and Minerals & Metallurgy. Proposals in these areas will be given preference.

CSIR Scientists/Researchers (on regular roles), keen to establish long-term research linkages for implementing collaborative research jointly with scientists / institutes of CAS may submit research-oriented visit proposals to CSIR - ISTAD as per format at **Annexure-II**. The visits should be aimed at establishing long term research linkages for jointly addressing research problems of mutual interest. The proposed visit, in addition to addressing the identified research problem, is expected to result in formulation of a joint research proposal that could be submitted for funding under the CSIR-CAS project mode cooperation programme (in 2017) or to other bilateral / multilateral cooperation programmes such as those of DST and DBT.

The research-oriental visit proposals may be prepared in consultation with the Czech partners whose consent to receive the CSIR scientist / researcher and to establish long-term research linkages on

specified topics should be enclosed with the proposals. **Scientists, whose projects were approved under the Working Programme 2012-2014 but could not be supported, may also apply against this call.**

The approved visit proposals will be supported in terms of mobility of scientists / researchers. The proposals may be sent by post (two copies) and through email ([rsb@csir.res.in](mailto:rsb@csir.res.in) and [kamlesh@csir.res.in](mailto:kamlesh@csir.res.in)) **latest by 11 July 2016 to ISTAD.** The following officers may be contacted for any further detail / query.

<u>In CSIR, India:</u>	<u>In CAS, Czech Republic:</u>
<b>Dr. Rama Swami Bansal</b> International S&T Affairs Directorate Council of Scientific and Industrial Research Anusandhan Bhawan 2, Rafi Marg, New Delhi-110 001 Email: <a href="mailto:rsb@csir.res.in">rsb@csir.res.in</a> Tel: +91 11 23736212	<b>Dr. Šámalová Klára</b> Division of International Cooperation The Czech Academy of Sciences (CAS) Národní 1009/3, 117 20 Praha 1 Česká republika Email: <a href="mailto:prijmeni@kav.cas.cz">prijmeni@kav.cas.cz</a> ; <a href="mailto:samalova@kav.cas.cz">samalova@kav.cas.cz</a> Tel: +420-221 403 299

## List of Czech Academy of Sciences (CAS) Research Institutes

(Areas : Mathematics, Physics and Earth Sciences ; Life and Chemical Sciences)

S.No.	Institute	Website
1.	Astronomical Institute of the CAS	<a href="http://www.asu.cas.cz/en">www.asu.cas.cz/en</a>
2.	Institute of Computer Science of the CAS	<a href="http://www.ustavinformatiky.cz/?id_jazyk=en&amp;id_stranky=">www.ustavinformatiky.cz/?id_jazyk=en&amp;id_stranky=</a>
3.	Institute of Information Theory and Automation of the CAS	<a href="http://www.utia.cas.cz/">www.utia.cas.cz/</a>
4.	Institute of Mathematics of the CAS	<a href="http://www.math.cas.cz/index.php">www.math.cas.cz/index.php</a>
5.	Institute of Physics of the CAS	<a href="http://www.fzu.cz/en/vitejte">http://www.fzu.cz/en/vitejte</a>
6.	Nuclear Physics Institute of the CAS	<a href="http://www.ujf.cas.cz/index.php?lang=en">http://www.ujf.cas.cz/index.php?lang=en</a>
7.	Institute of Hydrodynamics of the CAS	<a href="http://www.ih.cas.cz/web_new/en/">http://www.ih.cas.cz/web_new/en/</a>
8.	Institute of Photonics and Electronics of the CAS	<a href="http://www.ufe.cz/en">http://www.ufe.cz/en</a>
9.	Institute of Physics of Materials of the CAS	<a href="http://www.ipm.cz/">http://www.ipm.cz/</a>
10.	Institute of Plasma Physics of the CAS	<a href="http://www.ipp.cas.cz/eng">http://www.ipp.cas.cz/eng</a>
11.	Institute of Scientific Instruments of the CAS	<a href="http://www.isibrno.cz/index.php">http://www.isibrno.cz/index.php</a>
12.	Institute of Theoretical and Applied Mechanics of the CAS	<a href="http://www.itam.cas.cz/index.php?&amp;lang_n=en">http://www.itam.cas.cz/index.php?&amp;lang_n=en</a>
13.	Institute of Thermomechanics of the CAS	<a href="http://www.it.cas.cz/?q=en/node">http://www.it.cas.cz/?q=en/node</a>
14.	Institute of Atmospheric Physics of the CAS	<a href="http://www.ufa.cas.cz/?lang=en">http://www.ufa.cas.cz/?lang=en</a>
15.	Institute of Geology of the CAS	<a href="http://www.gli.cas.cz/en">http://www.gli.cas.cz/en</a>
16.	Institute of Geonics of the CAS	<a href="http://www.ugn.cas.cz/">http://www.ugn.cas.cz/</a>
17.	Institute of Geophysics of the CAS	<a href="http://www.iq.cas.cz/en">http://www.iq.cas.cz/en</a>
18.	Institute of Rock Structure and Mechanics of the CAS	<a href="http://www.irsm.cas.cz/index_en.php">http://www.irsm.cas.cz/index_en.php</a>
19.	Institute of Analytical Chemistry of the CAS	<a href="http://www.iach.cz/uiach-a/">http://www.iach.cz/uiach-a/</a>
20.	Institute of Chemical Process Fundamentals of the CAS	<a href="http://www.icpf.cas.cz/en">http://www.icpf.cas.cz/en</a>
21.	Institute of Inorganic Chemistry of the CAS	<a href="http://www.iic.cas.cz/en/?language=en">http://www.iic.cas.cz/en/?language=en</a>

22.	Institute of Macromolecular Chemistry of the CAS	<a href="http://www.imc.cas.cz/en/umch/index.htm">http://www.imc.cas.cz/en/umch/index.htm</a>
23.	Institute of Organic Chemistry and Biochemistry of the CAS	<a href="http://www.uochb.cz/web/structure/31.html">http://www.uochb.cz/web/structure/31.html</a>
24.	J. Heyrovsky Institute of Physical Chemistry of the CAS	<a href="http://www.jh-inst.cas.cz/www/">http://www.jh-inst.cas.cz/www/</a>
25.	Institute of Animal Physiology and Genetics of the CAS	<a href="http://www.iapg.cas.cz/en/">http://www.iapg.cas.cz/en/</a>
26.	Institute of Biophysics of the CAS	<a href="http://www.ibp.cz/en/">http://www.ibp.cz/en/</a>
27.	Institute of Biotechnology of the CAS	<a href="http://www.ibt.cas.cz/index.html">http://www.ibt.cas.cz/index.html</a>
28.	Institute of Experimental Botany of the CAS	<a href="http://www.ueb.cas.cz/en">http://www.ueb.cas.cz/en</a>
29.	Institute of Experimental Medicine of the CAS	<a href="http://www.iem.cas.cz/institute/">http://www.iem.cas.cz/institute/</a>
30.	Institute of Microbiology of the CAS	<a href="http://mbucas.cz/en/">http://mbucas.cz/en/</a>
31.	Institute of Molecular Genetics of the CAS	<a href="http://www.img.cas.cz/en/">http://www.img.cas.cz/en/</a>
32.	Institute of Physiology of the CAS	<a href="http://www.fgu.cas.cz/en/">http://www.fgu.cas.cz/en/</a>
33.	Biology Centre of the CAS	<a href="http://www.bc.cas.cz/en/">http://www.bc.cas.cz/en/</a>
34.	Global Change Research Institute of the CAS	<a href="http://www.czechglobe.cz/en/home/">http://www.czechglobe.cz/en/home/</a>
35.	Institute of Botany of the CAS	<a href="http://www.ibot.cas.cz/en/">http://www.ibot.cas.cz/en/</a>
36.	Institute of Vertebrate Biology of the CAS	<a href="http://www.ivb.cz/index_en.html">http://www.ivb.cz/index_en.html</a>

# CSIR – CAS Cooperation Program

## Application for Research-oriented Visit Proposal

International S&T Affairs Directorate of CSIR

Department of International Cooperation of the CAS

New Application

Follow-up of former project, Reference Number / Details of CSIR OM approving the project

### Personal Information of CSIR Applicant

1.	Name		
2.	Designation		
3.	Division		
4.	Institute (Please give address)		
5.	Area of research		
6.	Date of Birth and Age As on June 1, 2016	DoB	Age
7.	Contacts Details	Phone	Email

### Research Accomplishments

1.	Number of Publications <b>(Please Enclose list and indicate impact factor of Journals)</b>	<u>National</u>	<u>International</u>
2.	Number of Patents & Books, if any <b>(Please Enclose list)</b>	<u>National</u>	<u>International</u>
3.	Awards & recognition	<u>National</u>	<u>International</u>
4.	Major achievements/contribution of international level in the proposed area of research		

### Details of Czech Partner

1.	Name		
2.	Designation		
3.	Division		
4.	Institute		

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International S&T Affairs Directorate of CSIR

Department of International Cooperation of the CAS

	(Please give address)		
5.	Qualification		
6.	Area of research		
7.	Contacts Details	Phone	Email
8.	Research accomplishments of the host		
9.	Major research facilities at the host laboratory / institute		
10.	Reasons for selecting the proposed host		
11.	Existing linkages with the host, compatibility and complementarity		

### Information on Proposed Research Cooperation

1.	Title of the research proposal	
2.	Detailed description of the research work to be carried out abroad during the visit (Objectives, novelty of the research topic, current state-of-the-art in the field, Methods and approaches  (To be enclosed in separate sheets [not more than 3 pages])	
3.	Could the proposed work be carried out within India at CSIR/non CSIR S&T institutions? Justification for need to conduct it in the proposed foreign institution.	
4.	Expected outcome of the proposed visit	
5.	Relevance of proposed research with the activities / programmes of CSIR	
6.	Intended follow-up of the visit including formulating new research collaboration (please give details on possible source for financial support), utilization of visit results,	
7.	Has the proposed Czech host accepted the visit and the collaboration (proposal will be considered subject to availability of acceptance; enclose acceptance)	

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Department of International Cooperation of the CAS

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### Visit Details

1.	Period of proposed visit	From	To	No. of days
2.	Anticipated expenditure on international travel (including visa fee, <b>overseas medical insurance</b> )	Rs.		
3.	Previous visits abroad during last 3 years			

### Signatures

**Visiting CSIR Scientist**

\_\_\_\_\_  
(Date, Name)

**Competent Authority of the Institute with seal**

\_\_\_\_\_  
(Date, Name)  
(Seal of Institution)

