

Partnership and Linkages

Activities of the International Co-operation in ICAR/DARE has been operating through the Memoranda of Understandings (MoUs)/Agreements/Work Plans signed with foreign countries/International organizations etc. with ICAR/DARE as the Nodal Department and through participation of ICAR/DARE in the MoUs/Work Plans signed by the Department of Agriculture and Co-operation as the Nodal Department. Besides Ministry of Science and Technology has developed a Programme of co-operation with various countries and international organizations in which ICAR/DARE is the participating agency in agricultural research. The Joint Commissions/Working Groups constituted by the Ministry of External Affairs and the Ministry of Commerce have the component of agriculture/agricultural research in which DARE participates directly or through the Department of Agriculture and Co-operation.

The Department is also organizing visits of foreign nationals under *ad hoc* category. The Department also receives proposals for customized training courses for foreign nationals.

MAJOR EVENTS

- A 2-day VI Meeting of Indo-US Agriculture Knowledge Initiative Board was held from 15 to 16 April 2008.
- A 2-day Indo-ASEAN expert level seminar on Enhancement of Productivity and Profitability of Crops in India and ASEAN Countries was organized from 11 to 12 September 2008.
- A 2-day Organizing Workshop on Rural Development and II Indo-China Joint Working Group Meeting were held from 15 to 16 October 2008.

MoUs/WORK PLANS

- ICAR-ICARDA Collaborative Research Work Plan 2008-10 was signed on 1 June 2008 in Aleppo, Syria.
- ICAR-IWMI Work Plan 2008-09 was signed on 21 July 2008.
- Indo- Australian Programme on Marker Assisted Wheat Breeding Work Plan was signed between ACIAR and ICAR in Australia on 1 September 2008.
- Work Plan for Scientific and Technical Partnership on Maize and Wheat Systems was signed between ICAR and CIMMYT in New Delhi on 10 October 2008.
- A Work Plan between the Ministry of Agriculture, Government of the Republic of India and the Ministry of Jihad-E-Agriculture, Government of the Islamic Republic of Iran was signed on 2 November 2008 for 2009-2010.
- A Contract was signed between the Embassy of Sultanate of Oman and the Indian Council of Agricultural Research, New Delhi on 5 November 2008, to participate in Mango Tree Encyclopedia Project.
- A Memorandum of Understanding between the Government of the Republic of India and the Government of the Republic of Ecuador was signed on 17 November 2008 for co-operation in agricultural research and education.

FOREIGN NATIONALS STUDIES IN INDIA

The 208 foreign nationals of 20 countries, viz. Iran (31), Ethiopia (50), Sri Lanka (30), Namibia (2), Afghanistan (25), Sierra Leone (1), Sudan (2), Nigeria (4), Bhutan (17), Mongolia (2), Nepal, under NAF (8), Botswana (1), USA (1), Bangladesh

(25), Zanzibar (1), Canada (1), Iraq (1), Myanmar (1), Oman (5), and Norway (1) studied in India. The cases were processed for pursuing Ph. D. (40), M.Sc., (63), MVSc, (12), BSc, (11), BVSc/ B. Tech. (3), Training (77), and Post-doctoral programme (2).

Fund release to CG Institutions

India is donor member to CGIAR and contributes 0.75 US Million \$ annually under unrestricted funding to CG Institute.

In 2007-08 US\$2.00 million was contributed under restricted funding to C G Centers.

CENTRAL AGRICULTURAL UNIVERSITY

The Central Agricultural University, works under DARE, has recently started an inter-disciplinary College of Post-Graduate Studies at Umiam, Barapani and Meghalaya. This University has its Horticulture and Forestry Campus at Pasighat in Arunachal Pradesh. This college has started B.Sc. (Forestry) degree course from the session 2007-08. Altogether, 281 students were admitted during the year in different campuses for pursuing graduation and post-graduation.

The Central Agricultural University organized North-East Agricultural Fair, 2007-08 (sponsored by Ministry of Agriculture) at its Veterinary Sciences and Animal Husbandry Aizawl Campus, Mizoram. University also participated in All India Agricultural Universities' Sports and Games Meet, 2007-08 organized at MPKV, Rahuri.

Three Board of Management Meetings of the University were convened at Imphal (Manipur), Aizawl (Mizoram) and New Delhi on 5 May, 10 September and 5 November respectively. This University also conducted V Academic Council Meeting at its Agricultural Engineering and Post-harvest Technology Campus, Gangtok, Sikkim on 1 September 2008.

Among groundnut genotypes, which were tested for their adaptation under local environment of Manipur, PBS 12160 (1 319 kg/ha), GPBD 54 (1,260 kg/ha) and UG 16 (1,191 kg/ha) were found best in IVT under Spanish group and were promoted to AVT, while under Virginia group the entry, CSMG 2001-02 with 1,756 kg/ha pod yield was promoted to AVT. Besides these, one recommended variety, ICGS 76 received from ICRISAT was the best for pod (1,958 kg/ha) and kernel (1,230 kg/ha) yield for *kharif*.

For soybean, among the IVT entries DS 2410 (2,232 kg/ha) showed 16% increase in yield than the best check JS 335 (1913 kg/ha). Under AVT 1 and 2 combined trials, none of the entry was surpass the yield over the best check in North-East Zone. However, JS 13 (1590 kg/ha) was found

to be the best over the check JS 335 (1495 kg/ha) at our centre. The centre has collected and evaluated 78 soybean germplasm lines. The crossing programme was initiated at the centre. Eight F₁ with their parents were evaluated, and F₂ seed was collected for further evaluation and selection in the segregating progeny to select high-yielding short duration lines of soybean.

PROTOCOL ACTIVITIES

Foreign delegations

- His Excellency Mr. Javier Cevallos, (Vice Minister of Agriculture of Ecuador) met with Dr Mangala Rai (Secretary, DARE and Director-General, ICAR) on 8 April 2008.
- His Excellency the Rwandan, Minister of Agriculture and Animal Resources, visited NDRI, Karnal, and IARI, New Delhi on 11 November 2008.

Visits under collaborative projects of ICAR and CG centres

The following Scientists/Officers have gone on deputation and training of International level in 2008 which were funded by CG centres or covered under collaborative projects of ICAR and CG Centres.

- Dr C. Tara Satyawathi (Sr. Scientist, Division of Genetics, IARI, New Delhi) visited on deputation as visiting scientist to ICRISAT, Hyderabad for 2 months from 18 February to 17 April 2008.
- Dr Mangala Rai (Secretary DARE and DG, ICAR) visited to attend 3rd Executive Board Meeting of Global Crop Diversity Trust on deputation for 2 days w e f 1 April 2008.
- Dr N. Sarangi (Director, CIFA, Bhubaneswar) visited on deputation WFC Malaysia for 6 days w e f 1 April 2008.
- Dr Rajendra Choudhary (Principal Scientist and In charge, Division of Environmental Sciences, IARI, New Delhi) visited on deputation to attend International Conferences on Food Security and Environmental Change at Oxford University, UK, for 3 days w e f 2 April 2008.
- Dr S. Ayyappan (DDG, Fisheries) visited on deputation Malaysia to attend 36th BOT Meeting for 5 days w e f 3 April 2008.
- Dr J.S. Minhas (Principal Scientist) and Dr S.K. Kaushik (Sr. Scientist, CPRI Shimla) visited on deputation to attend International Potato Symposium, 2008 held at Eliya, Sri Lanka for 2 days w e f 3 April 2008.
- Dr R.P.S Verma (Principal Scientist, DWR Karnal) visited to attend the International Barley Genetics Symposium in Egypt for 6

- days w e f 5 April 2008 on deputation.
- Dr Y.S. Ramakrishna(Director, CRIDA) visited on deputation to participate in the National Dryland Agriculture Conference in Philippines for 2 days w e f 17April 2008.
 - Dr R.K. Arora (Principal Scientist, CPRI, Shimla) visited to attend 3rd International Conference on Late Blight, held at Beijing, China, from 3 to 6 April 2008.
 - Dr S. Edison(Director,CIP) visited on deputation to participate in the meeting of BOT at Lima Peru, from19 to 25 April 2008.
 - Dr R.K. Batta (Director, ICAR Research Complex for Eastern Region, Patna) visited on deputation to Addis Ababa Ethiopia for participation in the Challenge Prog. Basin Working Group Meeting from 9 to11 May 2008.
 - Dr S. Ramani(Principal Scientist and Head CPRS, Shillong), Dr S.K.Pandey (Director CPRI, Shimla) and Dr B. P. Singh(Jt. Director, CPCRI, Kasaragod) visited on deputation to attend Potato Workshop in Bhutan from 6 to 10 May 2008.
 - Dr Mangala Rai (Secretary, DARE and DG, ICAR) visited on deputation to Ottawa, Canada for CGIAR Vision and Development challenges from 10 to 14 May 2008.
 - Dr P.K. Joshi (Director, NCAP, New Delhi) visited on deputation to attend CGIAR Review Panel meeting and the Advisory Committee meeting in Ottawa, Canada on 15 May 2008.
 - Dr S. Kalawathi (Sr. Scientist CPCRI Regional Station, Kayamgulan) visited on deputation for participation in the IFAD Data Analysis Workshop and Project compilation meeting from 19 to 27 May 2008.
 - Dr N. Shobha Rani visited on deputation to attend meeting of Aroma Task Force INQR (International Network for Quality Rice) to be held at Laos from 24 to 25 May 2008.
 - Dr Sanjukta Das (Sr. Scientist, CRRI, Cuttack) visited on deputation to attend a meeting of Aroma Task Force of International Network for Rice from 24 to 25 May 2008.
 - Dr K.V. Prabhu (Head, Division of Genetics, IARI, New Delhi) visited on deputation to Australia to participate in international programme on the UG 99 breeding in wheat from 26 to 30 May 2008.
 - ICAR scientists (5) visited on deputation to the 7th CURE Annual Meeting,2008 from 10 to11 June 2008.Ref. IRRI
 - Dr K.P.R Vittal (Director, CAZRI, Jodhpur) visited to participate in USAID Disaster Management Support Project Climatic System Component from 10 to 19 June 2008.
 - Dr A.K. Singh(DDG, ICAR) visited on deputation to attend ICAR – IWMI steering committee meeting at Colombo Sri Lanka from 12 to 13 June 2008.
 - Dr R.K. Batta (Director, ICAR Research Center for Eastern Region, Patna)visited on deputation to participate in ICAR – IWMI Steering committed meeting from 12 to 13 June 2008 in Sri Lanka.
 - Dr B.C. Birakmath(Project Director) and Dr J.S. Bentur(Principal Scientist, Directorate of Rice Research, Hyderabad) visited on deputation to participate in the International Conference on Plant hoppers from 23 to 25 June 2008.
 - Dr R.K. Arora (Principal Scientist, CPRS, Jalandhar) visited on deputation to Kabul as Resource person to provide IBM training on Potato from 23 to 28 June 2008.
 - Dr P.K. Joshi (Director, NCAP, New Delhi) visited on deputation to London to attend CGIAR Review Panel Meeting from 24 to 25 June 2008.
 - Dr S.Ayyappan (DDG, Fisheries) visited on deputation Laussale, Switzerland for 5 days w e f 30 June 2008 to participate in the 4th CGIAR Sr leadership Programme.
 - Dr S.K. Soam (Sr. Scientist, NAARM, Hyderabad) visited on deputation to Rome to attend the meeting of CGIAR from 2 to 5 July 2008.
 - Dr H.S. Gupta (Director, VPKAS, Almora) visited on deputation to Kumasi,Ghana to attend IV Maize Harvest Plus Meeting from 7 to 11 July 2008.
 - Dr (Ms) Kanta Das Mahapatra, (Sr. Scientist, CIFA, Bhubaneshwar)visited on deputation to Colombo, Sri Lanka for training from 7 to 15 July 2008.
 - Dr R.M. Sundram(Scientist,SS) visited on deputation for attending the confined field trial training workshop from13 to 19 July, 2008 in USA.
 - Dr B. Mishra(Project Director, DWR) visited on deputation to CIMMYT and to discuss and prepare the ICAR-CIMMYT Workplan for wheat breeding from 14 to 18 July 2008.
 - Dr Mangala Rai (DG, ICAR) visited on deputation to IWMI, Sri Lanka to attend Steering Committee of IWMI-ICAR from 21 to 22 July 2008.
 - Dr P.K. Joshi(Director, NCAP, New Delhi) visited on deputation to Manila, Philippines to attend the Asian Pacific Regional Consultation on IFAD report from 22 to 24 July 2008.
 - Dr R.K. Sarkar (Principal Scientist) visited on deputation for undergoing training at IRRI,

- Manila, Philippines, from 20 August to 29 September 2008.
- Indian scientists (6) visited on deputation to Australia under the ACIAR funded collaborative project on Molecular marker technology for faster wheat breeding in India from 23 August to 17 September 2008.
 - Dr G.P. Singh (Senior Scientist, IARI, New Delhi) visited on deputation to Canberra to participate in a Project Development meeting from 23 August to 7 September 2008
 - Dr S.C. Mishra (Wheat Scientist, ARI, Pune) visited on deputation to Canberra, Australia from 23 August to 7 September 2008.
 - Dr B.M. Prasanna (Senior Scientist IARI, New Delhi) visited on deputation to CIMMYT, Mexico to attend the Harvest Plus Maize Biofortification programme from 24 to 30 August 2008.
 - Dr B. Mishra (Project Director, DWR, Karnal) visited on deputation to participate in 11th International Wheat Genetics Symposium in Australia from 24 August to 17 September, 2008.
 - Dr P.L. Gautam (DDG, Crop Science) visited on deputation to Brisbane, Australia to attend the International Wheat Genetics Symposium from 24 to 29 August 2008
 - Dr Mangala Rai (DG, ICAR) visited on deputation to ACIAR Canberra, Australia to attend the PAC meeting from 31 August to 7 September 2008.
 - Dr S. S. Ranga (Sr. Scientist, PAU, Ludhiana) visited on deputation to Norway to attend 5th International Symposium on *Brassica* from 3 to 12 September 2008.
 - Mrs B. Nirmala (Scientist, Agricultural Economics) visited on deputation to China to attend the 5th International Hybrid Rice Symposium from 11 to 15 September 2008.
 - Dr V.C. Virakthmath (Director, Directorate of Rice Research, Hyderabad) visited on deputation to Changsha, Hunan, China to attend the Vth International Hybrid Rice Symposium from 11 to 19 September 2008.
 - Drs Randhir Singh, R.K. Sharma and R.S. Chhokar (DWR, Karnal) visited on deputation to attend ACIAR Project Review Meeting and Australian Agronomy Conference at Adelaide, South Australia from 14 to 24 September 2008.
 - Dr Mangala Rai (DG, ICAR) visited on deputation to Manila, Philippines to attend the IRRI BoT from 16 to 19 September 2008.
 - Dr N.K. Singh (Principal Scientist, NRC on Plant Biotechnology, IARI, New Delhi) visited on deputation to attend the CGIAR GCP 2008 Annual Research Meeting at Bangkok, Thailand from 16 to 20 September 2008.
 - Shri S.V. Nagachand (Director, ICAR Research Center, Barapani) and Dr A.K. Tripathi (Sr. Scientist, Agricultural Economics) visited on deputation to Lao Vietnam under project Managing Rice Landscape from 20 to 30 September 2008.
 - Dr P.L. Gautam (DDG, Crop Science) visited on deputation to IRRI, Philippines to attend the Steering Committee Meeting from 23 to 24 September 2008.
 - Dr M.P. Pandey (Director, CRRI, Cuttack) visited on deputation to participate in a 2-day International Workshop on Research to Impact Case Studies for Natural Research Management of Irrigation of Rice in Asia in Philippines from 23 to 27 September 2008.
 - Dr Mangala Rai (DG, ICAR) visited on deputation to Lisbon, Portugal to attend the Ex-Co meeting from 1 to 4 October 2008.
 - Indian Scientists (19) visited on training in Marker Assisted Selection at ICRISAT for 19 days from 6 October 2008.
 - Dr M.A. Khan (Director, ICAR Regional Centre Eastern Region, Patna) visited on deputation to participate in 2-day workshop at Washington, USA organized by CGIAR CPWF from 9 to 10 October 2008.
 - Researchers (6) from India visited on deputation to participate in the 8th Regional Cassava Workshop at Vientiane Lao from 20 to 24 October 2008.
 - Dr M. Pandey (Director, CRRI Cuttack) visited on deputation to attend the 5th International Hybrid Rice Symposium in PR China.
 - Scientists (3) of CRRI Cuttack visited on deputation to participate in the Review meeting of Project enhancing and stabilizing rice in submergence prone environments in Bangladesh from 1 to 8 November 2008.
 - Dr P.K. Joshi (Director, NCAP, New Delhi) visited on deputation to Brazil to attend meeting on CGIAR Impact Assessment Focal Point Group from 10 to 11 November 2008.
 - Shri A.K. Upadhyay (Secretary, ICAR) visited on deputation to Ethiopia to be a part of policy and practice panel at 2nd CPWF International Forum on Water and Food from 10 to 14 November 2008.
 - Dr K.K. Vass (Director, CIFRI, Barrackpore) visited on deputation to Addis Ababa Ethiopia to participate in CGIAR CPWF from 10 to 14 November 2008.
 - Dr M.A. Khan (Director, ICAR Regional Centre Eastern Region, Patna) visited on deputation to Addis Ababa Ethiopia to

participate in CGIAR CPWF from 10 to 14 November 2008.

- Dr S.P. Das (Plant Breeder, ICAR Regional Centre, Tripura) visited on deputation to training course organized by IRRI from 10 to 18 November 2008 at Birsa, Jharkhand.
- Dr S.Uma (Sr. Scientist NRC Banana, Trichy) visited on deputation to attend GCG Workshop at France from 13 to 17 November 2008.
- Dr S. Edison (Director, CTCRI, Trivandrum) visited on deputation to ICARDA, Syria from 15 to 18 November 2008.
- Dr P. Ravichandran (Principal Scientist, CIBA, Chennai) visited on deputation for participation in Shrimp BMP Meeting from 17 to 21 November 2008 in Bangkok, Thailand.
- Scientists (13) visited on deputation from Maize programme in 10th Asian Regional Maize Workshop in Indonesia
- Dr M.L. Jat (Sr. Scientist, DMR, New Delhi) visited on deputation to attend the final review meeting of ADB Project on Enhancing Farmers Income and Livelihoods through Integrated Crop and Resource Management in the Rice Wheat System in South Asia in Kathmandu, Nepal from 25 to 26 November 2008.
- Dr Rajendera Prasad (National Fellow, IASRI, Pusa, New Delhi) visited on deputation to Nepal to attend Final Review Meeting of ADB Project from 25 to 26 November 2008.
- Dr S.K. Sharma (Director, NBPGR, New Delhi) visited on deputation to attend the Steering Committee Meeting at Bioversity International, Italy from 26 to 28 November 2008.

Delegations abroad

- Dr (Ms) Bhawana Mishra (Assistant Professor, CCS HAU, Hisar) visited Iowa State University, USA for training in Post-Harvest Technology for Fruits and Vegetables from 15 March to 26 April 2008.
- Dr Mohamed Akram, (Assistant Professor, CSA University of Agriculture and Technology, Kanpur) visited Cornell University, USA, for training in Plant Virology, Emphasizing Tomato Virus from 15 March to 26 April 2008.
- Dr Rajan Sharma (Senior Scientist, NDRI, Karnal) visited Cornell University, USA, for training in High Pressure Processing of Milk Monitoring Adulteration of Milk from 15 March to 26 April 2008.
- Dr Bharat Shankar Sontaki (Senior Scientist, NAARM, Hyderabad) visited Ohio State

University, USA for undergoing training programme under the project Teaching and Learning excellence : a Capacity Building Model under the Indo-US AKI from 28 March to 16 April 2008.

- Dr (Mrs.) Bindu J., Scientist (Sr. Scale, CIFT, Cochin,) visited Ohio State University, USA for training in High Pressure Processing of Fish.
- Dr H P Singh, DDG (Hort.) visited Israel from 2 to 7 April 2008, as part of Business Mission under Indo-Israel Action Plan 2008.
- Shri Ashok Kumar Bharimalla (Scientist, CIRCOT, Mumbai) visited Agricultural Research Centre, Egypt for training in Cotton Processing for Superior Quality Yarn from 12 April to 2 May 2008.
- Dr Darrick M. Denis (Assistant Professor, AAI, Allahabad) visited Alabama A&M University, USA, for training in Monitoring of Non-Point Source Pollution from 7 April to 17 May 2008.
- Dr Goiranga Kar (Senior Scientist, WTCER, Bhubaneswar) visited Michigan State University, USA for training in Drough Mitigation, Water Harvesting in May 2008.
- Dr Sachdeva R. Bodreddy (Senior Scientist, Agricultural Research Station, ANGRAU, Anantpur, Andhra Pradesh) visited Michigan State University, USA for training in the field of Water and Drought Management, Introduction of Drip Irrigation and Fertigation during May 2008.
- Dr S.P. Tiwari [Deputy Director-General (Edn.)] visited Cape Town, South Africa to attend the 3rd Meeting of the India-Brazil-South Africa Joint Working Group on Agriculture from 5 to 7 May 2008.
- Dr K.P.R. Vittal (Director, CAZRI, Jodhpur) visited Iran, from 10 to 11 May 2008, to attend the India – Iran Joint Commission as part of the delegation led by Joint Secretary (PAI), Ministry of External Affairs.
- Dr D.V. Sudhakar Rao [Senior Scientist (Hort.), IIHR, Bangalore] visited USA, from 19 to 30 May 2008, to participate in the workshop-cum-training programme on Capacity Building for Risk Analysis and Modeling to promote Agricultural Trade under Indo-US Agriculture Knowledge Initiative.
- Sh. Anil Kumar Upadhyay (Additional Secretary, DARE and Secretary, ICAR), Dr S.P. Tiwari, DDG (Edn.), and Dr S. Ayyappan, DDG (Fisheries) visited Sri Lanka Council for Agricultural Research Policy (CARP), Sri Lanka from 12 to 14 June 2008 and a Work Plan for 2008-2009 was signed.
- Dr K.S. Khokhar (ADG, PIM), visited Minsk,

- Belarus to attend the meeting of the Joint Working Group from 11 to 14 June 2008.
- Dr S.C. Dubey (Joint Director, High Security Animal Disease Laboratory, IVRI, Izatnagar) visited Bangladesh from 24 to 25 June 2008 to discuss and concretize areas of bilateral co-operation relating to bird flu in Bangladesh.
 - Dr A.K. Sahu (Principal Scientist, CIFA, Bhubaneswar) visited Agricultural Research Centre, Egypt from 16 to 29 July 2008 for training in Aquaculture.
 - Dr S.K. Pandian (Principal Scientist, CIBA, Chennai) visited Agricultural Research Centre, Egypt from 16 to 29 July 2008 for training in Mari- culture.
 - Dr B.K. Bhattacharyya (Scientist, CIFRI, Barrackpore) visited Agricultural Research Centre, Egypt from 16 to 29 August 2008 for training in Reservoir Fisheries.
 - Dr Bhudeva Singh (Senior Scientist, DWR, Karnal) visited Agricultural Research Centre, Egypt from 1 to 14 August 2008 for training in Wheat Drough Salinity Resistance.
 - Dr O.P. Chaturvedi [Principal Scientist (Forestry), NRCAF, Jhansi] and Dr L.N. Harsh [Principal Scientist (Forestry), CAZRI, Jodhpur] visited Agricultural Research Centre, Egypt from 16 to 29 August 2008 for training in Greening Deserts.
 - Dr A.K. Nayak (Senior Scientist, CSSRI Regional Station, Lucknow) visited Agricultural Research Centre, Egypt, from 1 to 14 September 2008, for training in Salinity Control.
 - Dr Viraktamath (Project Director, DRR, Hyderabad) visited Agricultural Research Centre, Egypt, from 25 August to 7 September 2008, for training in Rice Hybrids.
 - Dr Pradyumn Kumar (Principal Scientist, DMR, New Delhi) visited Agricultural Research Centre, Egypt, from 17 to 30 September 2008, for training in Maize Biotic Stress.
 - Dr H.P. Singh (DDG, Hort.) visited University of Georgia, USA from 27 September to 4 October 2008 to deliver a talk on the State of Horticulture Research in India.
 - Dr (Mrs) P. Nila Rekha (Senior Scientist, CIBA, Chennai) visited Iowa State University, USA, from 10 October to 21 November 2008, for training in Assessment and Control of Non-point source pollution under Norman E. Borlaug Fellowship Programme.
 - Dr A.K. Nayak (Senior Scientist, Soil Chemistry/Fertility, CSSRI, Karnal) visited Iowa State University, USA, from 11 October to 21 November 2008, for training in Water

Management under Norman E. Borlaug Fellowship Programme.

- Sh. Anil Kumar Upadhyay (Additional Secretary, DARE and Secretary, ICAR) visited Budapest, Hungary from 13 to 15 October 2008 to participate in the meeting of Indo-Hungarian Working Group on Agriculture.
- Dr D.V. Singh (Senior Scientist, Soils, CSWCR&TI, Research Centre, Udhagamandalam) visited Michigan State University, from 13 October to 21 November 2008, in Water Quality Management under Norman E. Borlaug Fellowship Programme.
- Dr A.K. Singh (DDG, NRM), visited Tehran, Iran, from 1 to 2 November 2008, to attend the meeting of the XV India-Iran Joint Commission Meeting.
- Dr Pitam Chandra (ADG, Agril. Engg.) visited Berlin, Germany from 10 to 14 November 2008 to attend the meeting of the Indo-German Joint Working Group on Agriculture.
- Dr B.L. Dhar (Principal Scientist, IARI) visited to Zhangzhou City, Fujian Province, China from 19 to 23 November 2008, to participate as a specialist in the Asian Forum on Edible Mushroom Quality Standard and International Trade.

Delegations hosted

- Dr Mohammed Yussef Ghoneim Mubarak and Dr Reda Mohammed Ali Al Sayed (Senior Researcher, Agricultural Research Centre, Egypt) visited CSSRI, Karnal from 11 to 25 August 2008 for training in Wheat Drought Salinity and Heat Tolerance.
- Dr Mohammed Mahmoud Ahmed Mohammed (Senior Researcher, Agricultural Research Centre, Egypt) visited CSSRI, Karnal from 11 to 25 August 2008 for training in Water Quality.
- Ms Manal Muhammad Attiya and Dr Muhammad Atef El-Shobky (Scientists, Agricultural Research Centre, Egypt) visited CIPHET, Ludhiana from 3 to 15 November 2008 for training in Pre-Cooling.
- Dr Muhammad Abdullfatah Abdul Khalek and Dr Ashraf Mahfouz Mashraky (Researchers, Agricultural Research Centre, Egypt) visited CIPHET, Ludhiana from 20 October to 2 November 2008 for training in Pre-Cooling.

Ad hoc visits

The following senior officers of the ICAR (Hq)/Institutes were approved to go on foreign *ad hoc* visits:

- Dr Gurbachan Singh (Director, CSSRI, Karnal) participated in the VI International

Congress on Cactus Pear and Cochineal and VI General Meeting of FAO-CACTUSNET, held in Brazil, from 21 to 27 October 2008.

- Dr Lal Krishna [ADG (AH), ICAR (Hq.)] was deputed to attend 76th Annual General Session of the International Committee of the OIE (World Organisation for Animal Health) held in Paris, France, from 25 to 30 May 2008.
- Dr V. Krishnamurthy (Director, CTRI, Rajahmundry) was deputed to attend Second Meeting of the Study Group on Economically Sustainable Alternatives to Tobacco Growing, held in Mexico City from 17 to 19 June 2008.
- Dr K.M.L. Pathak (Director, NRC on Camel) and Dr Narendra Sharma (Veterinary Officer, NRC on Camel, Bikner) visited Veterinary laboratory, Al-Ain City, UAE from 23 to 30 July 2008 to solve the problem of camel illness and deaths accompanied with high degree of leucopenia.
- Dr C.S.Prasad [ADG (AN&P), ICAR (Hq.)], attended Compound Livestock Feed Manufactures Association Symposium, 2008 scheduled held at Colombo, Sri Lanka from 12 to 13 September 2008.
- Dr Gurbachan Singh (Director, CSSRI, Karnal) was deputed for attending the 20th Congress of ICID (International Committee on Irrigation and Drainage) and 59th International Executive Council Meeting, held in Lahore, Pakistan from 13 to 18 October, 2008.
- Dr Gurbachan Singh (Director, CSSRI, Karnal) was deputed to Mexico for participating in a Technical Peer Review for the Colorado Delta Project from 19 to 21 November 2008.

Scientists to foreign countries on deputation

- Dr A K Roy (Principal Scientist, IGFRI, Jhansi) visited United Kingdom for 6 months w e f 7 February 2008 for availing DBT Overseas Associateship Award for 2006-2007. It was financed by Department of Biotechnology.
- Dr S.B.N. Rao (Senior Scientist, NIANP, Bangalore) and Dr A.V. Elangovan (Sr. Scientist, NIANP, Bangalore) visited School of Environmental and Rural Science, University of New England, Armidale, NSW, 2351 Australia for 6 months w e f 14 April 2008. It was financed by DEST, Australia.
- Dr R.R.B. Singh (Senior Scientist, NDRI, Karnal) visited Dublin Institute of Technology, Ireland for availing Erasmus Mundus

Scholarship for Research in Food Science, Technology and Nutrition for 3 months w e f 18 February 2008. He visited under Erasmus Mundus Programme.

- Dr Sachinandan De (Senior Scientist, NDRI, Karnal) visited Sweden on deputation for availing DBT Biotechnology Overseas Associateship 2006-2007 for 6 months w e f 1 February, 2008. It was financed by Department of Biotechnology.
- Dr B.M. Naveena (Scientist, NRCM, Hyderabad) visited University of Connecticut, USA for undergoing training in the area of Moss Spectroscopy (Proteomics under DST broad area of Life Science under DST BOYSCAST Fellowship Programme 2007-2008 for 12 months w e f March, 2008. It was financed by Department of Biotechnology.
- Dr Mohan Mandal (Scientist, NRC on Mithun, Jharnapani), visited Michigan State University, USA for availing Biotechnology Overseas Associateship (Long-term) Programme 2006-2007 for 12 months w e f 20 March 2008. It was financed by Department of Biotechnology.
- Dr H.S. Oberoi [Scientist(SS), CIPHET, Ludhiana] visited University of Arkansas, USA for carrying research work on Life Science (Applied) under DBT's Biotechnology Overseas Associateship (Long-Term) Programme 2006-2007 for 12 months w e f from second week of March 2008.
- Dr Arun Kumar (Scientist, Directorate of Seed Research, Mau) visited Oregon State University, USA for undergoing training in the area of Genetic Engineering under DST's BOYSCAST Fellowship Award/Program 2007-08 for 12 months beginning from 1 June 2008. It was financed by Department of Science and Technology.
- Dr K.K. Sharma (Principal Scientist and Network Coordinator IARI, New Delhi) visited California, USA for undergoing training on Pesticide Residue Analysis from 7 to 19 April 2008. It was financed under budget grant of the Department of Agriculture and Co-operation.
- Dr K.P. Ramesha (Sr. Scientist, NRC on Yak, Dirang) visited Harvard University, USA for undergoing training under STIP Programme of Kennedy School under the sponsorship of Indo-US Science and Technology Forum for 11 days w e f 13 April 2008. It was financed under Indo-US Science and Technology Forum.
- Dr Subhojit Dutta (Scientist, IIPR, Kanpur) visited University of California, USA for

- undergoing training in the area of Crop Biotechnology under DST's BOYSCAST Fellowship Programme 2007-08 for 3 months beginning tentatively from 31st March 2008. It was financed by Department of Science and Technology.
- Dr Girish Kumar Jha (Senior Scientist, IARI, New Delhi) visited University of Manitoba, Canada for undergoing training in the area of Mathematical Sciences/Artificial Neural Net and Fuzzy Set Theory for 12 months w e f 1 July 2008. It was financed by Department of Science and Technology.
 - Dr S.K. Srivastava (Sr. Scientist, NRCWA, Bhubaneswar) visited Swedish International Development Co-operation Agency at Stockholm, Sweden to attend training Programme on Pesticide Risk Reduction from 8 to 30 May 2008 (Phase-I) and 17 to 28 November 2008 (Phase-II). It was financed by Swedish International Development Cooperation Agency and NRC on Women in Agriculture, Bhubaneswar.
 - Dr Reena Arora (Senior Scientist, NBAGR, Karnal) visited Lincoln University, Lincoln, Canterbury 7647, New Zealand undergoing training in the area of Biodiversity and Conservation Biology (Life Science) under DST's BOYSCAST Fellowship Programme 2007-2008 for 3 months w e f 1 June 2008. It was financed by Department of Science and Technology.
 - Dr (Mrs.) Th. Premila Devi (Scientist, ICAR Research Complex for NEH Region, Meghalaya) visited University of Saskatchewan, Canada for availing DST's BOYSCAST Fellowship Programme 2007-2008 for 12 months w e f 31 May 2008. It was financed by Department of Science and Technology.
 - Dr R.C. Ray (Principal Scientist, Regional Centre of CTCRI, Bhubaneswar) visited University of Massachusetts, Amherst, M.A.USA for availing the award of Indo-US Professorship in Microbiology for 1 month w e f 7 June 2008. It was financed by IUSSTF.
 - Dr M. Sheshu Madhav (Scientist, SS, DRR, Hyderabad) visited at Ohio State University, Columbus, USA for undergoing training in the area of Molecular Biology of Biotic stress in Plants under DST's BOYSCAST Fellowship Programme 2007-08 for 12 months w e f 27 March 2008. It was financed by Department of Science and Technology.
 - Dr G. Gopakumar (Principal Scientist) and Dr K Madhu (Senior Scientist), both from CMFRI, Cochin, visited Aquaculture Research Sub-Institute for a North Central, Vietnam to attend training programme/course in Artificial Seed Production of Cobia from 20 May to 20 June 2008.
 - Dr T Makeish Kumar (CTCRI, Thiruvananthapuram) visited Dr Stephan Winter, DSMZ, Plant Virus Division c/o BBA Messeweg 11/12, 38104 Braunschweighy Germany to attend training of Young Scientist in the Niche area of Biotechnology on "RNAi mediated resistance against cassava mosaic virus present in India" under Department of Biotechnology 2007-2008 for 12 months w e f 5 September 2008. It was financed by Department of Biotechnology.
 - Shri D. Pratap (T.O/T-5), Project Directorate on Poultry, Hyderabad) visited University of Peradeiya in Kandy, Sri Lanka for Refresher course on Teaching entrepreneurship to a small-scale farmers from 9 to 20 June 2008. His travel to and fro was financed by Netherland Fellowship Programme other Expenses by PTC+Loading and Boarding by Sponsors NE.
 - Dr S.K. Lal (Senior Scientist, IARI, New Delhi) visited Japan for Group Training course in Conservation and Sustainable Use of Plant Genetics Resources from the date of his relieving up to 01 November 2008. It was financed by Japan International Co-operation Agency, JICA, Japan.
 - Dr Poonam Jayant Singh (Scientist, SG, NBFGR, Lucknow) visited University of Turin, Italy for 103 days participation in LLM from University of Turin, Italy, w e f 1 September 2008. It was financed by WIPO.
 - Mrs Sandhya Sukumaran, (Scientist, Mandapam Regional Centre of CMFRI, Tamil Nadu) visited University of East Anglia, Norwich, England, U.K after permission for pursuing higher studies leading to the award of Ph. D in "Aquatic Ecogenotoxicology" under Ministry of HRD, Government of India Commonwealth Scholarship/Fellowship award 2008 w e f 1 October 2008 to 31 July 2010. It was financed by Commonwealth Scholarship Commission, U.K.
 - Dr Mathura Rai (Director, IIVR, Varanasi) visited Michigan State University, USA for attending Indo-US Biotech training programme sponsored by USTDA from 3 to 12 August 2008. It was financed by USTDA.
 - Dr J. Satisha (Scientist, SS, NRC for Grapes, Pune) visited University of Missouri, Columbia for availing Post-doctoral position in the Institute of Continental Climate Viticulture and Enology for 12 months w e f August 2008. It was financed by his own pocket.

- Dr A.K. Patra (Principal Scientist, IARI, New Delhi) visited University of Notre Dame Indiana 46556-0767, USA for DBT Biotechnology Overseas Associateship Award on Interactions of nanopasticles with soil bacteria for 6 months w e f September 2008. It was financed by Department of Biotechnology.
- Dr Amit Kar (Principal Scientist, IARI, New Delhi) visited University of Sussex, UK for availing UGC's sponsored Commonwealth Academic Staff Fellowship, 2008 for 6 months w e f 1 October 2008. It was financed by Commonwealth Secretariat, UK.
- Dr Praveen K. Gupta (Sr. Scientist, IVRI, Izatnagar) visited Institute for Animal Health, Compton, UK for availing UGC's sponsored Commonwealth Academic Staff Fellowship, 2008 for 6 months w e f 1 October 2008. It was financed by Commonwealth Secretariat, U K.
- Dr Y.S. Shivay (Sr. Scientist, IARI, New Delhi) visited Norwegian for availing the Norwegian Government Scholarship as the specialist and visiting scholar for short-term visit to carry out the remaining part of the previous research work data processing and manuscript writing for 1 month w e f 8 September 2008. It was financed by Norwegian Government.
- Dr Jagdish Kumar (Principal Scientist, DWR, Karnal) visited Alexander von Humboldt Foundation, Germany for his renewed research stay in Germany for awarded to him by Alexander von Humboldt Foundation for 2 months w e f 1 September 2008. It was financed by Alexander von Humboldt Foundation, Germany.
- Dr V. Venkatesan (Scientist, Mandapam Regional Centre of CMFRI) visited Scientific Labs/Institutions in Taiwan to attend National Programme for Training of Scientists and Technologists, Government of India from 1 to 5 September 2008. It was financed by Department of Science and Technology.
- Dr (Mrs.) Josileen (Senior Scientist, CMFRI, Cochin) visited James Cook University, Queensland, Australia for training on Crab larval rearing studies on *Portunus pelagicus* under DBT Overseas Associateship Award for 2007-2008 for 6 months w e f 3 October 2008. It was financed by Department of Biotechnology.
- Dr A. Kumar (Sr. Scientist, IISR, Calicut) visited Wageningen University, Wageningen, the Netherlands for training on Molecular identification of cyclic lipopeptide biosynthesis in endophytic bacterial strain *Pseudomonas* sp. for 1 year w e f 15 January 2009. It was financed by Department of Biotechnology.
- Dr S.K. Singh (Senior Scientist, IARI, New Delhi) visited University of Florida, USA for Plant Biotechnology (Tropical Fruit Crops) under Department of Biotechnology Overseas Associateship Award 2006-07 for 6 months w e f 30 September 2008. It was financed by Department of Biotechnology.
- Dr Pramod K. Raut (Sr. Scientist, CIRG, Makhdoom) visited Roslin Institute and R(D)SVS, University of Edinburgh, UK for training on Exploring, modeling and exploiting the genetic resistance of goats in response to Gastro-intestinal nematodes with special reference to *Haemonchus contortus* under DBT Overseas Associateship Award for 2007-08 for 6 months tentatively from November 2008. It was financed by Department of Biotechnology.
- Dr V.K. Gupta (Senior Scientist, CIRG, Makhdoom) visited University of Wisconsin-Madison, United States of America for training of Veterinary Microbiology under Department of Biotechnology Overseas Associateship Award-2007-08 for 6 months w e f 1 November 2008. It was financed by Department of Biotechnology.
- Dr Rekha Sharma (Senior Scientist, NBAGR, Karnal) visited University of Illinois, Urbana, USA for availing DBT Overseas Associateship Award (short-term) for 2007-08 for 6 months w e f October 2008. It was financed by Department of Biotechnology.
- Dr R.S. Tanwar (T.O) and Shri K.K. Somayajulu (T.O.), IARI, New Delhi visited Switzerland for participation in the training Bruker 400 MHz Spectrometer of for 5 days Switzerland w e f 29 September 2008. It was financed by Bruker Indian Ltd., Mumbai.
- Dr K.N. Mohanta (Senior Scientist, ICAR Research Complex for Goa, Goa) visited France for training of Assessment of catch up growth of fish after feed deprivation and refeeding and associated metabolic changes in nutrient mobilization and gain under DBT Overseas Associateship Award 2007-08 for 6 months tentatively during the February/March 2009. It was financed by Department of Biotechnology.
- Dr Viswanathan Chinnusamy (Senior Scientist, IARI, New Delhi) visited University of California, Riverside, USA for Post-Doctoral Fellowship/Post-Doctoral Fellow Position in Plant Pathology for 2 years w e f 27 October 2008. It was financed by University of California, Riverside, USA.
- Dr S.K. Das (Senior Scientist, NDRI, Karnal)

visited University of NSW, Randwick NSW 2052, Australia for undergoing Biotechnology Overseas Associateship Award 2007-08 on “Animal Biotechnology” for 6 months w e f December 2008. It was financed by Department of Biotechnology.

- Dr S.D. Sawant (Principal Scientist, NRC Garlic, Pune) visited Washington State University, USA to undertake research work from 11 October to 13 November 2008. It was financed by IAREC except International Air fare that was spent by the Scientist himself.
- Dr J. Poorani (Principal Scientist, PDBC, Bangalore) visited CSAIRO Entomology, Canberra, Australia for study between late October and December 2008. It was financed by CSAIRO.
- Dr Lalit Kumar Tyagi (Scientist, SS, NBFGR, Lucknow) visited Wageningen International, the Netherlands for attending a short-term training on ‘Towards Participatory Fisheries Management’ under the Netherlands Government Fellowship Programme w e f 20 October to 7 November 2008. It was financed by the Netherlands Government.
- Dr S. Mondal (Scientist, SS, NIANP, Bangalore) visited University of Laval, Quebec, Canada for undergoing Biotechnology Overseas Associateship Award 2007-08 on Small interfering RNA(siRNA) based molecular and cellular mechanisms involved in recognition and establishment of pregnancy for 1 year w e f 28 February 2008. It was financed by Department of Biotechnology.
- Dr A.N. Shylesha (Sr. Scientist, PDBC, Bangalore) visited Israel to attend the workshop and training programme on the production maintenance, release of natural enemies and classical biological control of the eucalyptus gall wasps from 8 to 18 November 2008. It was financed by Indian Paper Manufaktur Association (IPMA).
- Dr Pronab Dhar (Senior Scientist, IVRI, Izatnagar) visited University of Maryland College Park, MD 20742-3711, USA for availing Department of Biotechnology Overseas Associateship Award (short-term) 2007-2008 for 6 months w e f 15 February 2008. It was financed by Department of Biotechnology.
- Dr Mihir Sarkar (Senior Scientist, IVRI, Izatnagar) visited Centre of Life and Food Sciences, Weihenstephan, Technische Universitaet Muenchen, Germany for availing Department of Biotechnology Overseas Associateship Award (short-term) 2007-2008

for 6 months w e f 15 March 2009. It was financed by Department of Biotechnology.

- Dr A.K. Misra (Principal Scientist, IGFRI, Jhansi) visited INRA, Centre Clermont – Theix Unit de Recherche sur Les Herbivores, 63122, Saint-Genes-Chempanelle, France for availing Department of Biotechnology Overseas Associateship Award (short-term) 2007-2008 for 6 months w e f 23 February 2009. It was financed by Department of Biotechnology.

Indian scientists on foreign assignments

- Dr N.V.P.R. Ganga Rao (Senior Scientist, Plant Breeder, D.O.R., Hyderabad), as Scientist (Breeder), visited ICRISAT, Nairobi, Kenya for selection of the ‘Scientist (Breeder)’ at ICRISAT, Nairobi, Kenya.
- Dr K.P. Singh (Senior Scientist, IVRI, Izatnagar) as Expert Scientist visited Ministry of Agriculture and Fisheries, Sultanate of Oman for selection of the ‘Expert Scientist’ at M/o. Agriculture and Fisheries, Sultanate of Oman.
- Dr N.P. Singh (Scientist, IARI, New Delhi) as Senior Scientist/Visiting Scientist (Agricultural Economics) visited ICRISAT, Patancheru (Andhra Pradesh), India for Selection of the ‘Senior Scientist/Visiting Scientist (Agricultural Economics)’ at ICRISAT, Patancheru (Andhra Pradesh).
- Assignment of Dr P S Birthal (Principal Scientist and National Fellow, NCAP) as Principal Scientist (Socio-economics) at International Crops Research Institute for the Semi-Arid Tropics, Patancheru, Andhra Pradesh, India for 3 years.
- Dr N. Loganandhan (Scientist, CSWCR and TI, Research Centre, Bellary under CSWCR and TI, DehraDun) as Scientific Officer (ICRISAT-WWF Project) visited ICRISAT-WWF, Patancheru (Andhra Pradesh), India for selection for the ‘Scientific Officer (ICRISAT-WWF Project)’ at ICRISAT-WWF, Patancheru (Andhra Pradesh), India.
- Assignment of Dr Abhishek Rathore (Scientist, IISS, Bhopal, as Scientist Biometrics) at International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Patancheru (Andhra Pradesh) for 3 years from the date of joining.
- Assignment of Dr N P Singh (Scientist, SS, IARI, Pusa, New Delhi), as Senior Scientist/Visiting Scientist (Agricultural Economics) at International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Patancheru (Andhra Pradesh) for 3 years w e f 1 July 2008.

ICAR scientists, approved deputation cases

- Deputation of Dr S K Pandey (Director, CPRI, Shimla) in 1 day workshop on Potato and to present paper on Potato Research Priority in the Asia Pacific Region on 6 May 2008 at Bangkok, Thailand.
- Deputation of Dr P K Joshi (Director, NCAP) to Johannesburg, South Africa from 6 to 12 April 2008 for attending 2nd Planery session of IAASTD.
- Participation of Dr B P Singh (Joint Director, CPRI Centre, Modipuram) and Dr Jai Gopal (Principal Scientist, CPRI, Shimla) in 3rd International Conference on Late Blight at Beijing-China from 3 to 6 April 2008.
- Participation by Dr H P Singh (DDG, Hort) in the 1 day workshop on Potato and to present paper on Policies and Strategies conducive to Potato Development on 6 May 2008 at FAO, Bangkok, Thailand.
- Participation of Dr Jai Gopal (Principal Scientist, CPRI, Shimla) in the FAO sponsored meeting in Rome from 23 to 24 April 2008 for the global partnership initiative for plants.
- Consultancy proposal of Dr Rajendra Prasad (National Fellow, IASRI, New Delhi) to International Centre for Agricultural Research in the Dry Areas (ICARDA), Aleppo, Syria for 3 months from 21 April to 20 July 2008.
- Deputation of Dr R S Misra (Principal Scientist, CTCRI, Thiruvananthapuram) to Afghanistan.
- Deputation of Dr (Mrs.) Sindhu Sareen (Karnal) to participate in training course from 12 to 22 May 2008 at Kasetsart University, Bangkok, Thailand.
- Deputation of Dr N Vijayan Nair (Director, Sugarcane Breeding Institute, Coimbatore) to Egypt for 15 days on consultancy for giving technical guidance on sugarcane improvement programme.
- Deputation of Dr S K Kamra (Principal Scientist, CSSRI, Karnal) to visit Mc Gill University, Canada as visiting Scientist.
- Participation of Dr Rajan (Principal Scientist, Plant Quarantine Division) and Dr (Mrs) Kavita Gupta (Senior Scientist, IARI, New Delhi) in the master Class on Plant Biosecurity from 2 to 13 June 2008 in Malaysia.
- Dr G J N Rao (Head, Improvement Division, CRRI, Cuttack) deputation on official field mission of IAEA to China and Yaman to evaluate technical co-operation projects on Sustainable intensification crop production system from 5 to 18 June 2008.
- Deputation of Dr E Vivekanandan (Head, Demersal Fisheries Division, CMFRI, Kochi) for attending a FAO Workshop on Assessment and Bangkok, Thailand from 17 to 19 June 2008.
- Deputation of Dr R K Khetrpal (Head, PQD, NBPGR, IARI, Pusa, New Delhi) for participation as a Plant Pest Risk Analyst for the Project on Strengthening the sanitary and phytosanitary service in Cambodia in two mission for 1 month, the first mission of 1 week, from 7 to 13 July 2008, and final mission of 3 weeks – sometimes later this year.
- Expert Consultation on Agricultural Biotechnology for promoting Food Security in Developing Countries in Malaysia from 20 to 22 August 2008 – Deputation of Project Director, NRC on Plant Biotechnology.
- Consultancy Proposal of Dr (Ms) Neelam Patel (Senior Scientist, WTC, IARI, New Delhi) as consultant pressurized irrigation system software expert for 2 months for onward posting to Ethiopia.
- Nomination of Dr P K Aggarwal (National Professor, IARI) and Dr A K Singh (DDG, NRM) for South Asia Symposium on Climate Change, Dhaka, Bangladesh from 25 to 29 August 2008.
- Participation of Dr Sarvjet Singh (Plant Breeder, Pulses, Department of Plant Breeding and Genetics, PAU, Ludhiana) to FAO/IAEA International Symposium on Induced Mutation in Plants was held at Vienna, Austria from 12 to 15 August 2008.
- Deputation of Dr M C Kharkwal (Principal Scientist, Division of Genetics, IARI, New Delhi) to Vienna, Italy, Czech Republic and Turkey from 12 to 15 August 2008, 18 to 19 August 2008, and 20 to 25 August 2008.
- Deputation of Dr K V Prasad (Senior Scientist, Division of Floriculture and Landscaping, IARI, New Delhi) for attending the International Symposium on Induced Mutations in Plants from 12 to 15 August 2008 to Vienna, Austria.
- Deputation of Dr E Vivekanandan (Head, Demersal Fisheries Division, CMFRI, Cochin) to FAO Regional International Symposium on “Climate Change, Food Security, Sea Level Rise and Environment in South Asia” Dhaka, Bangladesh from 25 to 29 August 2008.
- Deputation of Dr D Rama Rao (Head, ICM, NAARM, Hyderabad) for attending World Conference on Agricultural Information organized by FAO, at Tokyo, Japan from 25 to 27 August 2008.

- Consultancy Proposal of Dr S K Sarkar and Dr P Rautra (Senior Scientist, CIFA) to train and establish a cyrobank facility for Government of Sri Lanka.
- FAO Consultancy in China from 1 to 15 September 2008 for Dr R S Misra (Principal Scientist and Head, Division of Crop Production, CTCRI, Thiruananthapuram).
- Deputation of Dr A K Tiwari (Head, Research Centre, Chandigarh) and Dr Amrish Kumar (Senior Scientist, Headquarters, Dehra Dun of CSWCR & TI to Mongolia under UNDP for conducting training course on Water Harvesting aimed at improving national capacity at technical and extension levels and upgrading knowledge of researchers, water engineers and officials from relevant Government agencies of Mongolia w e f 17 September to 17 October 2008.
- Deputation of Dr Ambekar E Eknath (Director, CIFA, Bhubaneshwar) to attend NACA, IX Technical Advisory Committee Meeting in China w e f 30 October to 1 November 2008.
- Dr T P Trivedi (Project Director, DIPA and ADG, ARIS) and Dr A K Bawa (Principal Scientist, ICAR, Hq) visited Bangkok, Thailand from 19 to 20 April 2008, to attend Technical Workshop on Development and Decentralised Management of ARD Information Resources and APARIS Steering Committee Meeting.
- Deputation of A K Bawa (Principal Scientist) to participate in the Expert Consultation on Climate Change and Agriculture and 10 General Assembly of APAARI, Tsukuba, Japan from 20 to 22 October 2008.
- Appointment of Dr N Loganadhan (Scientist, SS, CSWCR&TI, Research Centre) for the position of 'Visiting Scientist' at ICRISAT-WWF International Project from the date of joining till 31 December 2010.
- Deputation of Dr Masood Ali (Director, IIPR, Kanpur and Co-ordinator), Dr Shiv Kumar (Principal Scientist and Principal Investigator) and Dr B B Singh (Project Co-ordinator, IIPR and Co-Investigator) for visit to Bangladesh, Nepal and Bhutan under MEA sponsored SAARC Project on Shuttle Breeding in Pulses from 10 to 20 October 2008.
- Deputation Proposal of Dr P K Aggarwal (National Professor, Division of Environmental Sciences, IARI, New Delhi) to Japan for attending symposium on Global Climate Change-Imperatives for Asia Pacific from 22 to 23 October 2008.
- Consultancy of Dr G J N Rama Rao (Head, Crop Improvement Division, CRRI, Cuttack) for a National Training Course on Tissue Culture Techniques and their application to be held at the Ministry of Agriculture and Forestry in Freetown, Sierra Leone from 6 to 11 October 2008.
- Deputation of Dr S K Tandon (ADG, Engg) for participation in the Conservation Agriculture Carbon offset Consultation at West Lafayette, Indiana, USA w e f 28 to 30 October 2008.
- Consultancy of Dr Sushil Pandey (Scientist, IARI to FAO, Rome, Italy) as an International Consultant w e f 11 October to 13 December 2008.
- Recommendation of Dr M M Pandey (Director, CIAE, Bhopal) as Expert to the Fourth Session of the Technical Committee of APCAEM at Chiang Rai, Thailand w e f 1 to 5 December 2008.

