INTERNATIONAL SYMPOSIUM

FOOD SECURITY DILEMMA:
PLANT HEALTH AND CLIMATE CHANGE ISSUES

December 7-9, 2012

Venue: Farmers’ Training Centre
Bidhan Chandra Krishi Viswavidyalaya
Kalyani - 741235, West Bengal, India

Association for Advancement in Plant Protection
Plant Health Clinic, Directorate of Research
Bidhan Chandra Krishi Viswavidyalaya
Kalyani, West Bengal, India, www.aappbckv.org
International Symposium

FOOD SECURITY DILEMMA: PLANT HEALTH AND CLIMATE CHANGE ISSUES

One of the fundamental criteria related to stable growth of any country is its intrinsic food security - both its stability and guarantee. Our country is no exception to this! Food security is interfaced intimately with many other factors that include packaging, storage, transit and distribution, pricing, judicious marketing and safe and healthy policies, to name a few. But fundamental to all this is the productivity per unit area, which in turn, is significantly related to growing healthy crops through adequate nutritional and crop protection practices. In the last decade or two, the climate change issues have become important enough to demand it's in-depth consideration at different levels of food production.

In a recent report of the Planning Commission (GOI), it has been stated that about 70 per cent of the Indian population lives in rural areas and the overwhelming majority of them depend upon agriculture as their primary source of income. The average farm size is becoming smaller year after year and the cost-risk-return structure of farming is becoming adverse, with the result that farmers are getting increasingly indebted. Marketing infrastructure is generally poor, particularly in perishable commodities. In a recent National Sample Survey Organization (NSSO, GOI) survey, it has been revealed that nearly 40 per cent of farmers would like to quit farming, if they have the option to do so.

Further, the sustainability of food production is threatened by depletion of water resources, soil and plant health degradation, failure of plant protection and extension and input supply, declining investment in agriculture and of course looming on the horizon is the climate change scenario.

The above facts show that the euphoria and the confidence that followed the green revolution with regard to the food security are vanishing. The global scenario, be it in the developed or developing countries, is similar although the nuances of the problems may be different. Further, for a large country like India, not having self sufficiency can impose a heavy cost in an increasingly violence-prone world.

Thus the challenges the Agricultural Research and Education system is likely to face during the XII Plan (GOI) will be enormous. The green revolution technology was rather simple, relatively easy to transfer and adopt. It provided immediate quantum increase in productivity. No similar technologies are presently available for sustainable increase in productivity, reduction of production cost, and enhancing income of the farmers at high productivity levels in irrigated, intensively cropped areas.

To add to this, the climate change scenario is imposing onerously challenging dimensions particularly in relation to the crop productivity issues. Productivity and regional cropping sequences may be rendered haywire in a decade or two to come. The Planning Commission is rightly placing additional importance to plant protection and climate change issues for the impending XII Five-year plan in the making. It is proposed and hoped that through this Symposium, with adequate domestic, SAARC country, 3rd World countries participation along with others, it would be possible to identify the dilemmas in food security relevant to crop health and climate change management, and to identify and/or spell out the major thrust areas of researches that would need to be addressed during the next plan period/decades.

The Association for Advancement in Plant Protection (AAPP), Bidhan Chandra Krishi Viswavidyalaya (BCKV), Kalyani, India proposes to organize an 'International Symposium on Food Security Dilemma: Plant Health and Climate Change Issues' to create a platform for discussion and formulation of relevant strategies for fine tuning food security. The Symposium will have lead talks by prominent invited speakers, few oral presentations and poster presentations by participants, concurrent sessions and group discussions.

Besides, the Association also proposes to institute a few awards to encourage young scientists and to give recognition to the dions of plant protection through one 'Shashya Suraksha Yuva Pratibha' (SSYP) - a talent search award and one 'Shashya Suraksha Mahajnani' (SSM) - a life-time achievement award.
<table>
<thead>
<tr>
<th>Sessions</th>
<th>Topics</th>
<th>Local contacts</th>
<th>Duration</th>
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<tr>
<td><strong>DAY 1</strong></td>
<td>Registration</td>
<td>08.00 - 9.00 hr</td>
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<tr>
<td>Inaugural Session</td>
<td>09.00 - 11.00 hr</td>
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<tr>
<td><strong>Break</strong></td>
<td>Tea (11.30 - 11.30 hr)</td>
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</tr>
<tr>
<td>TS-1:</td>
<td>Critical parameters in future food security-I: Chemical use in agriculture</td>
<td>Prof. Anjan Bhattacharya (BKCV), Email: <a href="mailto:anjan_84@rediffmail.com">anjan_84@rediffmail.com</a>; Cell: +91 9433007139</td>
<td>11.30 - 13.30 hr</td>
</tr>
<tr>
<td>CS-I:</td>
<td>Climate change vis-à-vis food security</td>
<td>Prof. S A Khan (BKCV), Email: <a href="mailto:sakhan_bckv@isify.com">sakhan_bckv@isify.com</a>; Cell: +91 9433559185</td>
<td>12.00 - 13.30 hr</td>
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<tr>
<td><strong>Break</strong></td>
<td>Lunch (13.30 - 14.30 hr)</td>
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<tr>
<td>TS-2:</td>
<td>Possible biotechnological interventions in field and horticultural crop improvement for stress management</td>
<td>Dr. Somnath Bhattacharya (BKCV), Email: <a href="mailto:somnathbhat@yahoo.com">somnathbhat@yahoo.com</a>; Cell: +91 9433556387</td>
<td>14.30 - 17.00 hr</td>
</tr>
<tr>
<td>CS-II:</td>
<td>Competition papers for ’Shastriya Suraksha ’Yuvat Opraha Award’</td>
<td>Dr. M R Khan (BKCV), Email: <a href="mailto:dmrkhanbkcv@gmail.com">dmrkhanbkcv@gmail.com</a>; Cell: +91 9433362293</td>
<td>15.00 - 17.00 hr</td>
</tr>
<tr>
<td><strong>Break</strong></td>
<td>Tea (17.00 - 18.00 hr)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GD-I:</td>
<td>Major stakeholders in food security issues in India-I: NGO participation in sustainable agricultural management</td>
<td>Dr. Amit Roy (BKCV), Email: <a href="mailto:amit.mala123@gmail.com">amit.mala123@gmail.com</a>; Cell: +91 9831052458</td>
<td>18.00 - 20.00 hr</td>
</tr>
<tr>
<td><strong>DAY 2</strong></td>
<td>Pest profile of field and horticultural crops vis-à-vis climate change issues</td>
<td>Dr. Subrata Dutta (BKCV), Email: <a href="mailto:subrata_mithu@yahoo.co.in">subrata_mithu@yahoo.co.in</a>; Cell: +91 9476272466</td>
<td>9.00 - 11.00 hr</td>
</tr>
<tr>
<td><strong>Break</strong></td>
<td>Tea (11.00 - 11.30 hr)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CS-III:</td>
<td>Critical parameters in future food security-II: Water</td>
<td>Dr. Subhendu Bikash Goswami (BKCV), Email: <a href="mailto:sbg_bckv05@rediffmail.com">sbg_bckv05@rediffmail.com</a>; Cell: +91 9434379441</td>
<td>11.30 - 13.30 hr</td>
</tr>
<tr>
<td>TS-4:</td>
<td>Innovative management of fastidious entities, primarily plant viruses</td>
<td>Dr. Subrata Dutta (BKCV), Email: <a href="mailto:subrata_mithu@yahoo.co.in">subrata_mithu@yahoo.co.in</a>; Dr Kajol K Biswas (IARI), Email: <a href="mailto:kkbiswas@lycos.com">kkbiswas@lycos.com</a>; Cell: +91 9866796694</td>
<td>11.30 - 13.30 hr</td>
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<tr>
<td><strong>Break</strong></td>
<td>Lunch (13.30 - 14.30 hr)</td>
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<td></td>
</tr>
<tr>
<td>TS-5:</td>
<td>Soil health and crop productivity vis-à-vis pest management</td>
<td>Dr. Prasanta K Patra (BKCV), Email: <a href="mailto:drpattrak@yahoo.co.in">drpattrak@yahoo.co.in</a>; Cell: +91 9434415850/9062709947</td>
<td>14.30 - 17.00 hr</td>
</tr>
<tr>
<td>CS-IV:</td>
<td>Corporate participation in producing, marketing and recycling of genetically improved varieties</td>
<td>Prof. Subhendu Chaudhuri, Email: <a href="mailto:subhendu_chaudhuri@yahoo.com">subhendu_chaudhuri@yahoo.com</a>; Cell: +91 9831518284</td>
<td>15.00 - 17.00 hr</td>
</tr>
<tr>
<td><strong>Break</strong></td>
<td>Tea (17.00 - 18 hr)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GD-II:</td>
<td>Major stakeholders in food security issues in India: Small &amp; Marginal farmers</td>
<td>Dr. Sudipta Mukherjee (PC - KVK), Email: <a href="mailto:drsudiptamukherjee@rediffmail.com">drsudiptamukherjee@rediffmail.com</a>; Cell: +91 9830746082</td>
<td>18.00 - 20.00 hr</td>
</tr>
<tr>
<td>FS-1:</td>
<td>Posters to be set up by 11.00 hr</td>
<td>Cell: +91 9830746082</td>
<td>12.00 - 14.30 hr</td>
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PROPOSED TECHNICAL SESSIONS

<table>
<thead>
<tr>
<th>Sessions</th>
<th>Topics</th>
<th>Local contacts</th>
<th>Duration</th>
</tr>
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<tr>
<td><strong>DAY 3</strong></td>
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<tr>
<td><strong>TS-6:</strong></td>
<td>Integrated pest management including non-pesticidal biomangement</td>
<td>Dr Chirantan Chattopadhyay (IIPR), Email: <a href="mailto:chiranjan_chau@hotmail.com">chiranjan_chau@hotmail.com</a>, Cell: +91 9453042439</td>
<td>9.30-11.30 hr</td>
</tr>
<tr>
<td><strong>TS-7:</strong> (CS-V)</td>
<td>Novel and nuclear approaches to post-harvest. Plant protection and food security</td>
<td>Dr Sunil Kumar Gujri (BCKV), Email: <a href="mailto:sgurri@rediffmail.com">sgurri@rediffmail.com</a>, Cell: +91 9434136642/967493380</td>
<td>10.00-11.30 hr</td>
</tr>
<tr>
<td><strong>Break</strong></td>
<td></td>
<td></td>
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<tr>
<td><strong>Tea (11.30 -12.00 hr)</strong></td>
<td>Posts to be set up by 11.00 hr</td>
<td></td>
<td>12.00-14.30 hr</td>
</tr>
<tr>
<td><strong>TS-8:</strong></td>
<td>Distribution, pricing and marketing issues relevant to crop health and food security</td>
<td>Prof Sanjib Mukherjee (BCKV), Email: <a href="mailto:samukid@gmail.com">samukid@gmail.com</a>, Cell: +91 9433538530, Prof Shantam Jha (BCKV), Email: <a href="mailto:sjha2007@gmail.com">sjha2007@gmail.com</a>, Cell: +91 9433011529</td>
<td>12.00-13.30 hr</td>
</tr>
<tr>
<td><strong>Break</strong></td>
<td>Lunch (13.30-14.30 hr)</td>
<td></td>
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<tr>
<td><strong>Plenary:</strong></td>
<td>Summary and recommendations</td>
<td>Chairperson: Dr Satyabrata Maiti</td>
<td>14.30-15.30 hr</td>
</tr>
</tbody>
</table>

Critical food security issues:
- Input: climate change
- Input: chemicals
- Input: genes
- Input: water
- Input: soil health
- Input: intelligent use of input parameters

PRESENTATION CEREMONY

*TS: Technical Session, CS: Concurrent Session, PS: Poster Session, GD: Group Discussion

NATIONAL ADVISORY COMMITTEE

Dr. Arun Kumar Sharma, Eminent Biotechnologist, India
Dr. M. S. Swamimalah, Chairman, M.S.S.R.F, Madras, India
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Dr. S. N. Puri, Vice-Chancellor, Central Agricultural University, Imphal (Manipur), India
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Dr. Swapan Dutta, DDG (Crops), ICAR, New Delhi, India
Dr. R. N. Mukherjee, Director, IISER, Kolkata, India
Dr. R. K. Sinha, Director, Bhabha Atomic Research Centre, Mumbai, India
Dr. O. M. Bombaywale, Director, NCPM, New Delhi, India
Dr. H. S. Gaur, Distinguished Joint Director, IARI, New Delhi, India
Call for papers: Abstract of original research work not exceeding 300 words in (MS Word in 97-2003, strictly in Times New Roman 12 pt font) must reach by email (aapp_bckv@yahoo.co.in with cc to drmrkhankbcv@gmail.com) to the Organizing Secretary, 'International Symposium on Food Security Dilemma: Plant Health and Climate Change Issues', Association for Advancement in Plant Protection (AAPP), Plant Health Clinic, Directorate of Research, BCKV, Kalyani, Nadia-741235, West Bengal, India not later than 5th November, 2012 along with a Registration Form and details of payment of Registration Fee. However, for lead and invited papers, the abstracts should be within 700 words. The papers submitted for SSYP should be marked 'Shashya Suraksha Yuva Pratibha Award' at right top of the text. The details about the awards/application form will be available in the AAPP website: www.aappbckv.org on and after 15th June, 2012.

The payment should be made either by demand draft (DD) in favour of Association for Advancement in Plant Protection (AAPP) or electronic money transfer (preferred) to the following account:

Account Name: Association for Advancement in Plant Protection (AAPP)
Bank Account Number : 11151098069
Bank: State Bank of India
Bank Branch: Kalyani (Code 01082)
Bank address: SBI, Kalyani Branch, B-9/139, Civic Centre, P.O. Kalyani, District-Nadia, PIN-741235, West Bengal, India, Tel. +9133-2582 8515/2582 8221
IFSC code: SBIN 0001082; SWIFT Code: SBI NBB 106
Please send a copy of the Bank transfer document to the Symposium organizer by post or Fax +9133-2502 5235 or a scanned copy by email: drmrikhuambkv@gmail.com for office records. The registration will be confirmed by e-mail upon receipt of payment.

**Oral Presentation:** All oral presentation should be made through LCD projector and AAPP requires a copy of presentation for making it available to the participants either through website or onsite in a CD in the Symposium. The submission of full length paper of presentation is mandatory and the paper should be submitted in the FORMAT of *The Journal of Plant Protection Sciences* (please visit www.aappbckv.org/journal for instruction to authors). The papers presented in the Symposium will be considered for publication in Journal after reviewing and editing.

**Posters:** The size of the poster shall be 75 cm x 100 cm briefly showing Title, Methodology, important Results (along with not more than three tables/figures/photographs) and bulleted Summary. The poster shall be made attractive, brief, where full sentences are not mandatory. It should be composed on a single sheet with appropriate colour scheme so that the content is readable from a distance of at least one meter. The poster display requires conforming to the above standards and pasting of several small pieces of black and white A-4 papers should be avoided. Bring your own cello tape, a pair of scissors and ancillary materials for pasting. A two page handout may be brought to be provided to those who need them. A soft copy of poster is to be submitted to the organizer for making it accessible to the participants either through website or available onsite in a CD in the Symposium.

**Language:** Official language of the Symposium will be ENGLISH only.

**Accommodation:** The accommodation for the participants will be available at Kalyani at official rates. However, the rates for private Guest Houses/Hotels are variable. The tariff rates starts from INR 500/- per person per day (Non AC) on sharing basis to INR 1500/- for AC room. The availability of AC room is limited. The organizers shall take the responsibility for arrangement of accommodation for the registered participants provided advance information about date, time of arrival and payment is cleared before 30th November, 2012. The weather conditions in the beginning of December are likely to be pleasant with temperature ranging from 12-25°C. A light woolen cloth would generally suffice. The approximate lodging tariff of some comfortable stay at hotels is as under:

<table>
<thead>
<tr>
<th>LODGING TARIFF*</th>
<th>Nature of accommodation</th>
<th>AC-Single (INR)</th>
<th>AC-Double (INR)</th>
<th>Non-AC- (INR)</th>
<th>Non-AC-D (INR)</th>
<th>Deluxe AC-D (INR)</th>
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</thead>
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<tr>
<td>Private Hotel</td>
<td>800</td>
<td>1000-1200</td>
<td>500</td>
<td>500</td>
<td>1500-2500</td>
<td></td>
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<tr>
<td>University Guest House</td>
<td>500</td>
<td>600</td>
<td>400</td>
<td>250</td>
<td>Dorm:100</td>
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</tbody>
</table>

*Other rates negotiable.

**REGISTRATION FEE**

<table>
<thead>
<tr>
<th>Delegates</th>
<th>Early Bird (October 31, 2012)</th>
<th>Closing date (November 30, 2012)</th>
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<tbody>
<tr>
<td>Indian/SAARC</td>
<td>INR5000.00/USD 150.00</td>
<td>INR 6000.00/USD 175.00</td>
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<tr>
<td>Other Countries</td>
<td>USD 175.00</td>
<td>USD 200.00</td>
</tr>
<tr>
<td>Indian/SAARC Students</td>
<td>INR2000.00/USD 75.00</td>
<td>INR 3000.00/USD 100.00</td>
</tr>
<tr>
<td>Indian/SAARC Corporates</td>
<td>INR7500.00/USD 250.00</td>
<td>INR 8000.00/USD 275.00</td>
</tr>
<tr>
<td>Corporate from other countries</td>
<td>USD300.00</td>
<td>USD 325.00</td>
</tr>
</tbody>
</table>

**Registration fees are non-refundable and bank charges for money transfer not included; Full registration fee is applicable for accompanying persons or spouse.**
**Communication:** The Kalyani city is well connected by rail as well as road and it is just 50km away from Kolkata (earlier name Calcutta), the capital of West Bengal. The participants can book their railway reservation either for Sealdah or Howrah and back. Those who are getting down at Howrah RS should come to Sealdah RS either by hired taxi or city bus and may avail local train service (one and half hour journey) towards Kalyani or may come to Bandel RS by local train (one hour) and may avail auto-rickshaw/minibus service to reach Farmers' Training Centre (Lake Hall), BCKV at Kalyani.

City taxi is available from Netaji Subhas Chandra Bose International Airport, Kolkata to Kalyani. However, transport may be arranged by the Organizers if prior intimation is available. The schedule of the Symposium is likely to be fairly tight and all participants are requested to be present at the venue in advance.

**ENQUIRIES AND CORRESPONDENCE**
General enquiries (All Technical matters including pre-registration) should be directed to:

**Secretariat**
Prof. Shantanu Jha, Organizing Secretary
Email: aapp_bckv@yahoo.co.in/ sjha2007@gmail.com; Cell: +91 9433011529
Dr. Matiyar Rahaman Khan, Convener
Email: drmrkhanbckv@gmail.com; Cell: +91 9433362293/9903385756

**Office Address:**
*International Symposium on Food Security Dilemma: Plant Health and Climate Change Issues*
Association for Advancement in Plant Protection (AAPP)
Plant Health Clinic
Directorate of Research, BCKV
P.O. Kalyani, Dist. Nadia, PIN-741235, West Bengal, India
Tel/Fax. +91 33 2502 5235/2582 8407
E-mail: aapp_bckv@yahoo.co.in/phbcckv@yahoo.co.in

**Sponsorship, Advertisement & Exhibition**
For enquiries regarding participation in advertisement and exhibition, please contact the following with cc to aapp_bckv@yahoo.co.in :

Dr. Sujit Kumar Ray
Email: sujitkray2005@yahoo.com; Cell: +91 9433544812
Dr. Sunil Kumar Gunji
Email: sgunji@rediffmail.com; Cell: +91 9434136642/9674933801

**Accommodation, Travel & Visa**
For enquiries regarding accommodation, travel and visa information, please contact the following with cc to aapp_bckv@yahoo.co.in :

Dr. Kalol Bhattacharyya
Email: kallo1_bckv23@rediffmail.com; Cell: +91 9433313050
Dr. Hirak Banerjee
Email: hirak.bckv@gmail.com; Cell: +91 943335724/9038580334
Important dates to remember:
- Last date for receipt of abstracts of papers: 5th November, 2012
- Last date for sending registration fee: 30th November, 2012
- Last date for receipt of full papers: 30th November, 2012

For regular updates on the International Symposium, please visit us at our official website: www.aappbckv.org

Professor Shantanu Jha  Dr. Matiyr Rahaman Khan
Organizing Secretary  Convener

International Symposium on Food Security Dilemma: Plant Health and Climate Change Issues
Association for Advancement in Plant Protection (AAPP)
Plant Health Clinic, Directorate of Research, BCKV
P.O. Kalyani, Dist.Nadia, PIN-741235, West Bengal, India
Tel/Fax: 91 3325025235/91- 9433362293/9433011529
E-mail: aapp_bckv@yahoo.co.in/dr.mrkhanbckv@gmail.com
REGISTRATION FORM

(Please use a separate form for each delegate and all communication should be made either by email or FAX)

PERSONAL INFORMATION

Full Name (in BLOCK LETTER).................................................................

Valid Passport No..............................................Valid up to...........................(for foreign delegates, please enclose a scan copy of first and last page).

Designation:.................................................................

Company/Organization: .................................................................

Email(s): .................................................................FAX (with code): ..................

Address..............................................................................

City.................................................................Post code..................................Country.........................

Accompanying person, if any.................................................................

Proposed mode of presentation (underline)口腔 Poster

Title of the paper..............................................................................

.................................................................

Author(s)..............................................................................(please underline the presenter’s name)

*Registration fee payment

Total Amount (USD/INR).................................................................Payment details (please attach the electronic transfer remittance voucher/advice etc.; Bank charges are not included in the Registration Fee)

Date of arrival.................................................................Date of departure.................................................................

Please indicate flight information (airlines, flights number, if possible).................................................................

.................................................................

Signature with date

Professor Shantanu Jha  Dr. Matiyr Rahaman Khan
Organizing Secretary  Convener

International Symposium on Food Security Dilemma: Plant Health and Climate Change Issues
Association for Advancement in Plant Protection (AAPP),
Plant Health Clinic, Directorate of Research, BCKV,
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E-mail: aapp bckv@yahoo.co.in/drmrkhanbckv@gmail.com

Visit us: www.aappbckv.org

*Please send registration form and copy of payment together with abstract(s)