

IST CIRCULAR

International Symposium on

“ECO - EFFICIENCY IN AGRICULTURE & ALLIED RESEARCH”

Organized by

Crop and Weed Science Society (CWSS),

Bidhan Chandra Krishi Viswavidyalaya (BCKV)

AT Farmers' Academy & Convention Centre (FACC),

BCKV, Kalyani, Nadia, West Bengal, India

January 20-23, 2017

Background: Currently, every 9 months we consume what the planet's ecology can provide sustainably in any given year (Global Footprint Network, 2011). The Food and Agriculture Organization of the United Nations (FAO) estimated that we need to increase food supplies by 70% by 2050 if we are to feed a population of 9 billion (FAO, 2009). This challenge is compounded with constraints of available water, land, chemicals and fertilizer and projected natural ecosystems to be converted for urbanization and industrialization. Green Revolution of the 1960s and beyond point to significant trade-offs in resource use, input use and energy flows resulting in liquidating resource stocks and accumulating CO₂ and other polluting agents in the biosphere. So, the challenge is to raise yields fast enough using methods that reduce the environmental footprint of agriculture substantially. In terms of tropical Agriculture, India cannot be silent to these issues as we add substantially to the world cereal production and must identify areas of eco –efficiency in agriculture. Nitrogen and water use efficiencies must increase by more than 50% in some of the world's major crop production systems; farming systems must be improved to reverse current trends of soil degradation and net energy yields must double.

Scientists are professing eco-efficient agriculture increases productivity while reducing environmental impacts. Eco-efficient agriculture must meet and harmonize economic, social, and environmental needs of the rural poor by being profitable, competitive, sustainable, and resilient and gender compliant. Humans have always attempted to raise the efficiency of agroecosystems, aiming to harvest more per unit of input, mainly water, nutrients, energy, or agrobiodiversity. “Eco-efficiency” go with the simplistic idea of “producing more with less.” Both high-input intensive agriculture and low-input agriculture need to evolve based on agroecological principles. We need to consider eco-efficiency beyond the farm and extend concepts to include the whole food chain.

During the last four decades recognition of unsustainable resource use and the increasing concerns have prompted the approaches to optimize resource use, such as minimum tillage, precision agriculture, plant breeding for input use efficiency (water, nitrogen), marker-assisted breeding, and transgenic crops and animals and all other interventions that pollute less. Ecosystem services can also be considered with desired outputs, such as services around biodiversity conservation, carbon sequestration, freshwater flows, pest management, or pollination services by means of crop, tree and animal components and interactions. Integrated crop, livestock, and forestry systems and allied enterprises are economically and technically feasible in addition to producing food of higher biological value in meat, milk and fish, cultivated pasture provides other important environmental benefits, including long-term ground cover, carbon fixation, increases in soil organic matter content, and reduction in the emission of greenhouse gases. Measures could extend beyond food quantity and include measures of quality in meeting nutritional needs.. At the farmers' level, policy measures and market interventions that provide incentives for development and adoption of more diverse eco-efficient are important issues.

With this backdrop the Crop and Weed Society (CWSS), BCKV invites relevant contributions from the agriculture scientists, scholars, technologists, the industry and policy planners in its call for the

International Seminar on “**ECO – EFFICIENCY IN AGRICULTURE & ALLIED RESEARCH (EEAAR)**”. Contributions are invited as extended summary for both oral and poster presentations on the following themes related to Agriculture; Horticulture, Ag. Engineering, Biotechnology, ITK, Economics, Fisheries, Animal Sciences, Dairy technology and all other allied sectors including supporting policies. Delegates may send the full paper to publish in CWSS NAAS rated “**Journal of Crop and Weed**” following the Journal publication rules.

Major Theme

- 1) Biodiversity in agriculture and allied sciences; Biotechnology and Nano technology
- 2) Energy management; Stress management; Climate resilient and Eco-friendly smart production systems
- 3) Sustainable integrated farming system and Diversification of crop
- 4) Efficient use of natural resources (seed, nutrient, water, pest and quality of produce) through best management practice
- 5) Options for livelihood security and farm produce value addition
- 6) Socio-economic concerns, policy implications through public private partnership

Registration in Symposium EEAAR 17

➤ Registration Fee

Delegate	Within December 2016	On Desk payment (January 20, 2017)
Member, CWSS	₹ 3000	₹ 3500
Non Member, CWSS	₹ 4000	₹ 5000
Foreign Delegates (SAARC countries)	₹ 5000	₹ 6000
Foreign Delegates (excepting SAARC countries)	\$ 200	\$ 250
Research Scholars/Students	₹ 2000	₹ 2500
Accompanying Person (Foreign)	\$ 100	\$ 100
Accompanying Person (India)	₹ 1000	₹ 1000
Life membership + Registration	₹ 7000	₹ 8000

- The Registration Form is attached with this brochure. Delegates need to send the duly filled form to “Organizing Secretary, EEAAR 17” within December, 2016
- The Registration fee includes Kits, Lunch (three days) and special Dinner (only two days) and Local Transport during the Symposium period
- For arrival & departure to NSCB Airport / Railway Station Howrah & Sealdah and for site seen at Kolkata / Sundarban areas transport will be provided only by making advance booking (Contact person: Convenor, Transport committee)
- **Payment mode:** Demand Draft (DD) is to be drawn in favour of “Treasurer, Crop and Weed Science Society, BCKV” payable at State Bank of India (SBI), Kalyani, Nadia, West Bengal, India. Online transfer of money is also acceptable at SB Account No 11151098081, IFSC Code- SBIN0001082; MICR No. 700002319; Swift Code - SBINBB106. For Cash payment only Indian Rupees is acceptable.

PAPER SUBMISSION INSTRUCTION

Extended Summary: Should be within 1000 words providing Title, Authors name(s) marking the presenter, Institution and corresponding address (Arial, font 12 and spacing 1.5) followed by Introduction, materials & methods, results & discussion, recommendation 2-3 lines and 1-2 references with maximum 1 table and 1 figure in Arial font 11 & spacing 1.15 .

NOTE: Full Paper for Journal: Registered candidates may submit their full length paper for the Society Journal, Journal of Crop and Weed having ISSN 91746315, NAAS ranking 3.59 (applied for further upgradation) following the format and review process of the journal and paying just the processing fee of Rs 500/= or \$100.00

Poster presentation : The size of the poster will be 80 cm (B) x 100 cm (L), briefly showing title, Authors name & address, Introduction with Objective, Methodology, Results and Discussion (tables, figures and photographs) and bulleted summary or conclusion. The poster should be made attractive with appropriate colour scheme so that the content is readable from a distance of at least one meter. There will be awards for best presentation in all thematic areas.

Note: Conference Proceeding will include the extended summary of only registered delegates within December 2016.

Presentation time: Key note speaker 30 min., Lead speaker / Invited speaker 20 min. and Oral presentation 15 min.

Delegates are requested to send their Extended Summary to, "Convenor Technical Committee, EEAAR 17" in email along with duly filled up Registration form.

Important dates to remember for International Symposium

Last date of submission Extended Summary	November 10, 2016
Acceptance of Extended Summary	November 30, 2016
Early Bird Registration	December 10, 2016
Last date of registration	December 31, 2016
Date of Conference	January 20-23, 2017

December,

LOCATION DETAILS

- **Conference site:** The Kalyani is situated at 22° 57' N latitude and 88°20'E longitude with an altitude of 9.75 m above mean sea level. It is 50 km from the Netaji Subhas Chandra Bose Airport, Kolkata and also same distance from Howrah / Sealdah Railway Station, Kolkata. From Bandel Railway Station (Howrah main line) it is only 20 km while from Kalyani Railway Station (Sealdah main line) only 3 km. **Farmers' Academy & Convention Centre (FACC)**, previously Lake Hall is situated in the south eastern side of Kalyani municipality office, Kalyani Court, Kalyani Stadium and Kalyani Lake. Temperature is moderate Maximum 30° Celsius and Minimum 15° Celsius. Climate is comfortable neither too cool nor too hot. Simple woolen garments are sufficient.
- **Accommodation:** Conference site FACC and Local Hotels (AC): Accommodation will be arranged as against advance booking only. The cost of rooms (AC) varied from 1000- 7000 day⁻¹ depending on suit types. All are double bedded. Contact Convenor Accommodation Committee.
- **Field trips :** The full day field trips offered to delegates to three different places. These are optional and at an additional cost as indicated in proforma for field trips. All trips start at 8:00 am. Please arrive at Conference venue 15 minutes before the departure time. Transport will be provided from respective Hotels/Guest Houses. All trips are subject to minimum numbers (at least 30). There is choice of three different types of field trips. Please choose any one form the given below and contact Convenor Transport Committee.
 1. City Tour Kolkata A : The Victoria Memorial, Eden Gardens, Birla Planetarium, Kalighat Temple, Nakhoda Masjid, Alipur Zoo etc
 2. City Tour Kolkata B; Dakhshineswar Temple and Belur Math, Bandel Church, Hangsheswary Temple, Masjid etc.,
 3. Sundarbans: Mangrove, Royal Bengal Tiger etc

REGISTRATION FORM

**International Symposium on, "ECO – EFFICIENCY IN AGRICULTURE & ALLIED RESEARCH"
Organized by Crop and Weed Science Society (CWSS), Bidhan Chandra Krishi Viswavidyalaya (BCKV)
AT Farmers' Academy & Convention Centre (FACC), BCKV, Kalyani, Nadia, West Bengal, India
January 20-23, 2017**

1. Name and Designation:

2. Organization:

3. Corresponding Address:

Tel. : E-mail :

4. Accompanying spouse/guests: No. and relation with the Delegate

No. Relation:

5. Details of DD/ MT

Amount in Rupees only (Indian Currency) :

Payable at : SBI, Kalyani, Nadia, West Bengal, India SB Account No 11151098081, IFSC Code- SBIN0001082; MICR No. 700002319; Swift Code - SBINBB106

6. I wish to attend the symposium and to present a paper in Theme :

(Please indicate the Theme number in box)

7. Title of the Paper :

8. I am interested in post-symposium tour and attached field trip form Yes No

11. Preferred accommodation (Pl. tick)

FTC

Hotel

Not required

Date and place: Signature:

Name and Number of Delegates:

ACCOMODATION

1. Accommodation needed: Yes

No

TRAVEL DETAILS

Arrival date and time: By

AIR

Date

TRAIN

1. Date and Time and name of the Airport / Railway Station:

Date:

Flight No. / Train name :

Name of the Airport / Name of the Railway Station

2. Departure Date and Time:

Date:

Flight No. / Train name :

Name of the Airport / Railway Station:

TRANSPORT

Transport needed YES

NO

POST SYMPOSIUM TOUR

Interested for Tour

YES

NO

Date and place: -----

Signature: -----

CONTACT DETAILS

Prof. Anjan Bhattacharyya

President, Organizing Committee and President, CWSS

Former Head, Department of Agricultural Chemicals, Faculty of Agriculture,
Bidhan Chandra Krishi Viswavidyalaya (BCKV), Mohanpur - 741 252, Nadia, West Bengal, India.

Tel (M) : +91-9433007139(M)

E-mail: anjan_84@rediffmail.com / anjan84@gmail.com

Prof. Pintoo Bandopadhyay, Working President, CWSS

Professor, Department of Agronomy, Faculty of Agriculture

Bidhan Chandra Krishi Viswavidyalaya (BCKV), Mohanpur-741252, Nadia, West Bengal, India; Tel

(M) : 919433133884

Email-pintobckv@gmail.com

Prof. R. K.Ghosh, Former Secretary, CWSS

Professor (Rtd.), Department of Agronomy, Faculty of Agriculture

Bidhan Chandra Krishi Viswavidyalaya (BCKV), Mohanpur-741252, Nadia, West Bengal, India; Tel

(M) : +91-9433145340

Email- drajr1956@gmail.com / drraj2015@rediffmail.com

Prof. Pradip Kumar Sahu, Secretary, CWSS

Head, Department of Agriculture Statistics, Faculty of Agriculture,

Bidhan Chandra Krishi Viswavidyalaya (BCKV), Mohanpur- 741252, Nadia, West Bengal, India

Tel (M) : +91- 9433841687

Email:secretary1@cwssbckv.org