

Final Circular
International Symposium on
“ECO - EFFICIENCY IN AGRICULTURE & ALLIED RESEARCH (EEAAR 17)”
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
<http://www.cwssbckv.org> / www.cropandweed.com

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 agro-ecosystems, 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 agro-ecological 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 17)”**. 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.

Major Themes

- 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
- 7) Interface with Scientists of University and Government, Research students and Farmers with Corporate Officers

- The Registration Form is attached with this brochure. Delegates need to send the duly filled up form to “Organizing Secretary, EEAAR 17” within 31st December, 2016 along with payment details.
- The Registration fee includes Kits, Lunch (three days) and Dinner (only two days) and Local Transport during the Symposium
- 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.

Registration in Conference EEAAR 17

➤ Registration Fee

Delegate category	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
Life Membership + Registration (Student only)	₹ 6000	₹ 7000

- **Payment mode :** (1) Demand Draft (DD) or (2) Net Banking (NEFT/MT) in favour of “Treasurer, Crop and Weed Science Society, BCKV” payable at State Bank of India (SBI), Kalyani, Nadia, West Bengal, India; A/C No. 11151098081 (IFSC Code no. SBIN0001082). (3) Cash transfer at SBI (IFSC Code no. SBIN0001082) with intimation (Name, Date of transfer and Purpose). (4) Cash payment only in Indian Rupees (₹ Indian currency) is acceptable by the Treasurer, CWSS upto 20th January, 2017.

PAPER SUBMISSION INSTRUCTION

Extended Summary: Title, Authors Name(s) marking the Presenter, Institution or Corresponding Address (Arial, Font 11 and Spacing 1.5) followed by Introduction, Materials & Methods, Results & Discussion, Recommendation 2 -3 lines and 1-2 References with 1-2 Tables and 1-2 Figures (Total 1000 words; Arial with Font 10 & Spacing 1.15).

Publication of Full paper: Registered delegates may submit their full length paper for publication in the Society publishing “Journal of Crop and Weed (ISSN 91746315, NAAS ranking 3.59 (applied for further upgrade) following the format and review process of the journal and paying a minimum processing fee of ₹ 500 / \$ 100 only

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 shall be attractive with appropriate colour scheme so that the content is readable from a distance of at least one meter.

Delegates are requested to send their Extended Summary to” Organizing Secretary “EEAAR 17” in email (drajr1956@gmail.com / secretary1@gmail.com) along with duly filled up Registration Form.

Note: Conference Proceeding includes extended summary of only the Early Bird registered delegates (within 31st December 2016).

Presentation time: Key note speaker 30 min., Lead speaker / Invited speaker 15 min. and Oral presentation 10 min.

Important dates to remember for International Conference

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

LOCATION DETAILS

- **Symposium 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 with 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 against advance booking only. The cost of rooms (AC) varied from ₹ 1000 - 7000 day⁻¹ depending on suit types. All are double bedded.
- **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 in the form given below:
1. **City Tour Kolkata A :** The Victoria Memorial, Eden Gardens, Birla Planetarium, Kalighat Temple, Nakhoda Masjid, Alipur Zoo etc
 2. **City Tour Kolkata B :** Dakshineswar 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 (EEAAR'17)"
Organized by Crop and Weed Science Society (CWSS), Bidhan Chandra Krishi Viswavidyalaya (BCKV)
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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. **Payment:** (1) Demand Draft No : Date.

(2) In case of NEFT/MT: Bank name, Branch & A/C No.

.Date of deposit The amount in ₹

Payable at SBI, Kalyani, Nadia, West Bengal, India (IFSC Code no. SBIN0001082)

(3) Cash Payment: CWSS Receipt No. & Date

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

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)

FACC Hotel Not required

Date and place:

Signature:

Name (CAPITAL).....

DELEGATES DETAILS IN EEAAR 17

1. Name of the Delegate /s:

ACCOMMODATION

2. Accommodation needed: Yes No

POST SYMPOSIUM TOUR (on cash payment basis)
(Details information on Tour Desk 19th, 20th and 21st January)

3. Interested for Tour: Yes No

TRAVEL DETAILS TRANSPORT (On Cash Payment basis)

4. Transport needed : Yes No

If YES then please fill up the followings related to Transport

A. Arrival By : AIR TRAIN

Date and Time and Name of the Airport / Railway Station:

Date Flight No. / Train name

Name of the Airport / Name of the Railway Station

B. Departure by: AIR TRAIN

Date Flight No. / Train name

Name of the Airport / Railway Station

Date and place: ----- Signature: -----

Field Trips
EAAAR 17 International Conference, CWSS
(Conference Day 4, ,January 23, 2017)

Field Trip 1: Kolkata City Tour A

Kolkata is almost 50 Km away from the conference site, Kalyani. There are many site seen and some important are The Victoria Memorial, Eden Gardens, Birla Planetarium, Kalighat Temple, Nakhoda Masjid, Alipur Zoo etc all within the smart city Kolkata.

Tariff: Local Delegates:----- Overseas Delegates: -----
Tariff includes travel by AC bus (-----) + Lunch (-----)

Field Trip 2: Kolkata City Tour B

This is in adjacent of Kolkata. The famous Dakshineswar Temple and Belur Math (also boating), Bandel Church, Hangsheswar Temple etc.

Tariff: ----- (for all delegates)
Includes travel by AC bus (-----) and Lunch (-----)

Field Trip 3: Sundarbans

The famous Royal Bengal Tiger and Mangrove at Sundarban. Need to stay 1-2 nights.

The entire tour arrangement including food, accommodation and transport will be made by World Link Tour and Travels, Kolkata, a part of CWSS, BCKV.

Please choose your trip by filling the form below

NAME OF THE DELEGATE / S	
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COUNTRY	
FIELD TRIP SELECTED (CHOOSE ANY ONE):	
1. City Tour Kolkata A	()
2. City Tour Kolkata B	()
3. Visit to Sundarban	()
4. I WILL NOT JOIN THE FIELD TRIP	()

Note: Please Email about your confirm choice to enable organisers to make needed arrangements. Once you choice you have to attend the tour positively otherwise you have to pay in cash a minimum amount as decided by the Organizing Committee

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