

# FAI ANNUAL SEMINAR 2023

6-8 December 2023, Hotel Pullman & Novotel, Aerocity, New Delhi, India

Innovations in Fertilizer and Agriculture Sectors



**THE FERTILISER ASSOCIATION OF INDIA**

## □ From the Chairman's Desk

Dear Friends,



Economic and other activities in India and the world returned to normalcy this year after the worst public health crisis of the century. But geopolitical developments continued to pose challenges to world economic growth during the year. However, cooling of commodity prices provided a great relief to the agriculture and fertilizer sectors of the country. The focus now remains on sustainability of agriculture. The actions are required worldwide to make agriculture sustainable in terms of its impact on environment and conservation of natural resources without compromising on food security of the nations. These actions call for innovations in entire value chain of fertilizer and agriculture sectors.

Indian fertilizer industry has been very proactive in adopting innovative technologies in production of fertilizers to improve efficiency and reduce emissions. Indian ammonia industry has one of lowest carbon emissions in the world. Industry is now ready to support the government in its efforts for use of alternative fertilizer products, green hydrogen and green ammonia to further reduce the emission and help to meet the climate goals of the country.

This year's FAI Seminar which is 59<sup>th</sup> in the series, with the theme **Innovations in Fertilizer and Agriculture Sectors** will be a small but significant effort in the direction of greening of fertilizer and agriculture sectors with adoption of latest innovations. The Seminar will provide an opportunity to deliberate on innovations in production, distribution, marketing and use of fertilizers. An enabling environment in terms of appropriate policies will also be under discussion.

The Seminar is scheduled during 6-8 December, 2023 in Hotel Pullman & Novotel, Aerocity, New Delhi. As in past, we hope that industry will respond with enthusiasm by sponsoring large number of delegates to make this unique fertilizer sector event successful.

With Warm regards,

**N. Suresh Krishnan**  
**Chairman**

## □ Innovations in Fertilizer and Agriculture Sectors

Indian agriculture has performed well during recent years in spite of adverse weather phenomena. This has not only ensured the food security of country with largest population in the world but also healthy growth in exports of agriculture products. But, the sector suffers from stagnant crop yields, depleting water resources even in irrigated areas, deteriorating response to application of nutrients, poor soil health and emission of greenhouse gases. This has brought into focus the need for changes which can not only help to increase the yields per hectare but also help to conserve resources and reduce environment footprints of agriculture sector.

This will call for innovations in the entire value chain of agriculture sector. In fertilizer sector, there is a need for transformation in terms of production technologies, products and application of fertilizer nutrients and concomitant agriculture practices. Advancement in production technologies has ensured to bring very high energy and material efficiencies and thus minimizing impact on environment. But there are now new technologies and products like green ammonia, liquid fertilizers, high efficiency nano products, modified products like slow released urea and sulphur coated urea. There is also need for realization of full potential of some of the existing fertilizer products like single super phosphate by improving production technology and achieving high quality standards. Attention has also to be paid to increase the organic carbon content of Indian soils by way of more and more use of organic sources. Adoption of modern irrigation technologies, conservation and protected agriculture and host of other measures are required to be adopted.

The other segments of fertilizer value chain like packaging, transportation, storage and procurement of raw materials for fertilizers also need to be paid attention. Innovative technologies are also available for application of fertilizers and agrochemicals.

There is a need for development of ecosystem which encourages research and development and commercialization of results of R&D. Government of India has already taken several initiatives to encourage production and use of alternative fertilizers which need to be commended. The policy reforms in the sector can accelerate the innovations which can change paradigm in terms of new products, higher use efficiency and hence higher crop yields, reduce cost of inputs and minimize impact on environment.

It is in this context that this year's Seminar is dedicated to the theme **Innovations in Fertilizer and Agriculture Sectors**. The Seminar will help us to take stock of worldwide developments in technologies, products and use methodology, which can be incorporated in Indian fertilizer and agriculture sectors. Adoption of new innovations will help to make agriculture sustainable while ensuring food security of vast population on this planet.

## □ About FAI

The Fertiliser Association of India is a non-profit and non-trading organization representing mainly the fertilizer manufacturers, distributors, importers, equipment manufacturers, research institutes and suppliers of inputs. The Association was established in 1955 with the objective of bringing together all concerned with the production, marketing and use of fertilizers with a view to:

- Assist the industry in improving its operational efficiency;
- Find solutions to the problems faced by the fertilizer industry and agriculture;
- Promote balanced and efficient use of fertilizers;
- Encourage use of more and better plant foods and
- Promote consideration and discussion of all issues that contribute to sound agricultural practices.



FAI is represented on important government committees/panels related to fertilizer and agriculture. The Association cooperates actively with the Government of India on all issues related to fertilizer sector and acts as an interface between the Industry and the Government by maintaining close contacts and rapport.

The Indian fertilizer industry is highly complex and technology driven consisting of plants with varying capacity, technology, vintage and product range. With nearly 700 members comprising Active, Associate, Overseas Associate and Technical and Professional, FAI provides the necessary support for meeting the challenges facing the Industry.

**Arvind Chaudhary**  
**Director General**

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Innovations in Fertilizer and Agriculture Sectors

# □ Programme

<b>Wednesday December 6, 2023</b>	0930-1700 hrs. : Registration 1100-1700 hrs. : Exhibition <b>1430-1600 hrs. : Inauguration, Distribution of Awards and Release of FAI Publications</b> 1600 hrs. : High Tea 1900-2200 hrs. : Cultural Programme, Cocktails and Dinner
<b>Thursday, December 7, 2023</b> 0900-1700 hrs. : Registration 0900-1700 hrs. : Exhibition	<b>1000-1300 hrs. SESSION I : Fertilizer Use – Myth and Reality (Interaction with Farmers and Media)</b> <ul style="list-style-type: none"> <li>• Context Setting by Session Chairman</li> <li>• Introductory Remarks by Chairman, FAI</li> <li>• Introduction of Panelists by Moderator</li> <li>• Remarks by Panelists</li> <li>• Question-Answer Session between Farmers, Media and Panelists</li> <li>• Concluding Remarks by Session Chairman</li> </ul> <b>1400-1530 hrs. SESSION II : Policy Interventions in Fertilizer Sector</b> <ul style="list-style-type: none"> <li>• Global Fertilizer Demand-Supply Outlook</li> <li>• Fertilizer Prices: Trends and Outlook</li> <li>• Policy for Innovations in Fertilizers</li> </ul> <b>1600-1730 hrs. SESSION III : Innovations for Sustainable Agriculture</b> <ul style="list-style-type: none"> <li>• Contract Farming – The Way Forward</li> <li>• Prospects of Innovative Fertilizers in Agriculture</li> <li>• Role of Millets in Food and Nutrition Security</li> <li>• New Generation Products</li> </ul>
<b>Friday, December 8, 2023</b> 0900-1200 hrs. : Registration 0900-1700 hrs. : Exhibition	<b>0900-1300 hrs. SESSION IV : Transforming Fertilizer Production</b> <ul style="list-style-type: none"> <li>• Green Hybrid Revamp of Existing Ammonia Plants</li> <li>• Improving Reliability and Safety of Urea Plants</li> <li>• Operating Experience of Ammonia and Urea Plants</li> <li>• Tailored Technologies for Phosphoric Acid Production in India</li> <li>• Experience of Bottlenecking of Complex Fertilizer Plant with Granulator Pipe Reactor at IFFCO Kandla</li> <li>• Technology for Production of Urea Gold</li> </ul> <b>1400-1630 hrs. SESSION V : Fertilizer Marketing Innovations</b> <ul style="list-style-type: none"> <li>• E-commerce in Agri-input Marketing</li> <li>• Marketing Strategy for Specialty Fertilizers in India</li> <li>• Efficient Fertilizer Logistics – The Way Forward</li> <li>• Use of Drones in Nano Fertilizer Application</li> <li>• Pradhan Mantri Kisan Samridhhi Kendra – Role and Responsibility</li> </ul> <b>1630 hrs. : Valedictory Session</b>

## □ Registration

### Seminar Fee

- FAI Members: ₹ 18,000 per delegate plus 18% GST
- FAI Non-members: ₹ 29,000 per delegate plus 18% GST

### Seminar Fee includes :

- Seminar Kit with Pre-prints of Seminar Papers
- High Tea, Cultural Programme, Cocktails and Dinner on December 6, 2023 (Wednesday)
- Working lunches and pre & post lunch – tea/coffee on December 7-8, 2023 (Thursday & Friday)

### Procedure of Registration & Payment

#### I. Online Registration

For registering online, please visit FAI website [www.faidelhi.org](http://www.faidelhi.org)

#### II. Registration Form

Nominations in the attached registration form, along with the proof of payment of registration fee should be mailed to The Fertiliser Association of India, New Delhi.

### Payment Options

Payments can be made by either of the following modes:

- Bankers' cheque/demand draft payable at New Delhi in favour of 'The Fertiliser Association of India'.
- Through NEFT / RTGS under intimation to FAI as per the details given below:

**Saving Bank A/c No.** : 1484101006029

**Bank Name and Address** : CANARA BANK  
Jit Singh Marg  
New Delhi – 110 067

**Branch code** : 1484

**IFSC code** : CNRB0001484

**MICR code** : 110015015  
**FAI - GSTIN** : 07AAACT0097M1Z3  
**FAI - PAN No.** : AA ACT0097M

### Duly filled registration form should be sent to:

Additional Director & Secretary  
The Fertiliser Association of India  
FAI House, 10 Shaheed Jit Singh Marg  
New Delhi – 110067  
Tel: +91-11- 46005204/46005233/46005209  
Fax: +91-11-26960052, 46005213  
Email: [secy@faidelhi.org](mailto:secy@faidelhi.org); [acctt@faidelhi.org](mailto:acctt@faidelhi.org)

### On the Spot Registration

It can be done by payment of Cash or Demand Draft or Credit Card only at the venue of the Seminar.

### Change in Names

Change in names of delegates can be made up to 24<sup>th</sup> November, 2023. Only the names of delegates registered up to this date will appear in the delegates list.

### Cancellation

Cancellation of registration can be made only up to 24<sup>th</sup> November, 2023. For cancellation beyond this date, 50% of the registration fee will be refunded after deducting the GST paid to the Government of India. For this, refund requests received up to first week of January, 2024 will be entertained.

## □ Sponsorship Opportunity

Sponsorship can be availed on priority payment basis. For the same, the sponsors can contact DG, FAI (dg@faidelhi.org) / Additional Director, Secretary & Treasurer (secy@faidelhi.org).

## □ Exhibition

For display of the literature, products and services during December 6-8, 2023, stall(s) (3mx2m) would be available.

The charge for each stall is as under:

FAI Member companies	Non-member companies
₹ 1,70,000 plus 18% GST	₹ 1,90,000 plus 18% GST

Stall(s) will be made available on all the three days of the seminar. Two persons will be allowed to represent each stall and they will be extended all facilities as to regular delegates. Since the stalls are limited in number, the same will be booked on first come first served basis with payment. The payment can also be made as per payment options given on previous page.

For booking and more information:

Email : pr@faidelhi.org

Tel : +91-11-46005210

*Any modification or alteration in the design of the stall(s) will not be permitted.*

## Address and Contact Details of Hotel

Pullman New Delhi Aerocity & Novotel  
New Delhi Aerocity  
Asset No. 2, Delhi Aerocity, GMR Hospitality District  
Indira Gandhi International Air Port  
New Delhi – 110 037  
Telephone: + 91(11) 46080808  
Fax No.: + 91(11) 46080808  
Email: ashish.kumar@accor.com  
Website: www.pullmandelhiaerocity.com  
www.novotel.com

## Reservation Link for Rooms in Pullman and Novotel Hotels

For meeting rooms and other enquiries, please contact at above telephone number and following link

### Pullman New Delhi Aerocity:

[https://all.accor.com/lien\\_externe.svlt?goto=rech\\_resa&code\\_langue=en&preferredCode=FAIN&destination=7559&adultNumber=1&childrenNumber=0&dayIn=04&monthIn=12&yearIn=2023&nightNb=1](https://all.accor.com/lien_externe.svlt?goto=rech_resa&code_langue=en&preferredCode=FAIN&destination=7559&adultNumber=1&childrenNumber=0&dayIn=04&monthIn=12&yearIn=2023&nightNb=1)

### Novotel New Delhi Aerocity:

[https://all.accor.com/lien\\_externe.svlt?goto=rech\\_resa&code\\_langue=en&preferredCode=FAIN&destination=7560&adultNumber=1&childrenNumber=0&dayIn=04&monthIn=12&yearIn=2023&nightNb=1](https://all.accor.com/lien_externe.svlt?goto=rech_resa&code_langue=en&preferredCode=FAIN&destination=7560&adultNumber=1&childrenNumber=0&dayIn=04&monthIn=12&yearIn=2023&nightNb=1)

## Diamond Sponsors



## Gold Sponsor



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## Silver Sponsors

## Other Sponsors



## The Fertiliser Association of India

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## FAI ANNUAL SEMINAR 2023

## Registration Form

Additional Director & Secretary  
The Fertiliser Association of India  
FAI House, 10 Shaheed Jit Singh Marg  
New Delhi – 110 067

Please register my/our names(s) for the above Seminar (Please write in **CAPITAL LETTERS**)

	Name	Name to be printed on Badge	Designation	Email	Mobile
1.	_____	_____	_____	_____	_____
2.	_____	_____	_____	_____	_____
3.	_____	_____	_____	_____	_____
4.	_____	_____	_____	_____	_____
5.	_____	_____	_____	_____	_____
6.	_____	_____	_____	_____	_____
7.	_____	_____	_____	_____	_____

Organisation & Address \_\_\_\_\_ Phone \_\_\_\_\_  
\_\_\_\_\_ Fax \_\_\_\_\_  
\_\_\_\_\_ Email \_\_\_\_\_

GSTIN No. (If Any) \_\_\_\_\_

FAI Member : Yes/No

Enclosed is a Demand Draft/Banker's Cheque/Delhi Cheque/Banker's advice for ₹ \_\_\_\_\_ being the registration fee for the Seminar (₹ 18,000+18% GST per participant for FAI members and ₹ 29,000+18% GST per participant for FAI non-members)

### Payment Option through NEFT/RTGS:

Saving Bank Account No.: 1484101006029, Canara Bank, Jit Singh Marg, New Delhi - 110 067

IFSC Code: CNRB0001484, Branch Code : 1484, MICR Code: 110015015

FAI - GSTIN: 07AAACT0097M1Z3 and FAI - PAN No.: AA ACT0097M

Date:

Please use separate sheet, if more participants are sponsored. Please make a Demand Draft/Banker's Cheque payable at, New Delhi in favour of 'The Fertiliser Association of India' and send it along with this form. Through NEFT/RTGS under intimation to FAI as per the details given above.