



beeJ^{ki} baat
voice of the seed



EDITION MARCH 2025



**Raghavan
Sampathkumar
Executive Director**

Dear Members,

As we conclude March, we reflect on a month filled with remarkable advancements and insights in the fields of agriculture and biotechnology. We explore AI-driven precision in gene editing along with China's strategic agricultural plans for 2025. We also delve into pioneering research on nitrogen fixation, explore the potential of GM crops amid evolving regulations, and highlight the critical role of innovative biotech solutions demanded by farmers. This month, FSII received excellent media coverage, highlighting our commitment to innovation and sustainability in the sector. We successfully conducted two significant conferences: one focused on High-Density Planting System (HDPS) cotton and the other on Intellectual Property Rights (IPR) in agriculture. These events brought together experts and stakeholders to discuss advancements and challenges, fostering collaboration and knowledge exchange. As we move forward, let us continue to embrace these innovations and work collaboratively to enhance global food security and agricultural resilience.



Awareness Session on Enforcement of IPR in Seeds

INDIA



Maharashtra Farmers Demand Biotech Breakthroughs to Boost Cotton, Compete Globally

Farmers from various districts echoed their demand for access to biotechnology, including genetically modified (GM) crops, arguing that they should have the same technological choices as people in other industries. The farmers refuted the myths regarding increased chemical use due to GM crop cultivation and insisted that the chemical inputs have gone down with the cultivation of GM crops across the world.

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[Rubber farmers call for introduction of GM plants amid price slump and pest attacks](#)



[India's agriculture exports](#)



[Vegetable crops will ensure food & nutritional security](#)



[Seeds of high-yielding, pest-resistant rice varieties given to Karnal farmers](#)



[Agricultural University has prepared disease free high quality potato seeds](#)



[Switching from rice to cereals can boost farmer income: ISB-H study](#)

GLOBAL



Challenging the agricultural misinformation zealots—Sustainable agriculture requires judicious weed management and crop chemicals

Any discussion of crop chemicals must consider the broad sweep of agricultural history, the pivotal moments of technological innovation, and the diverging perspectives that have shaped the current debate around the use of agricultural chemicals and genetically modified (GM) and gene edited crops.

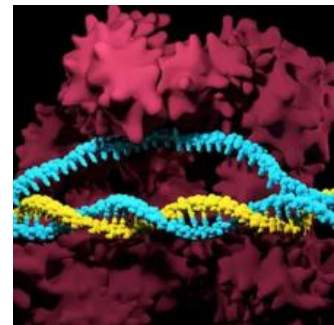
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[Biotech Food Distrust Linked to Messaging Gaps](#)



[A new generation of sustainable crops that redeploy soil microbes to advance sustainable farming is on the horizon](#)



[European governments heading towards GMO deregulation](#)



[Regulatory roadblocks set up decades ago hindering the adoption of sustainability-enhancing gene edited crops](#)



[Study on Impact of Bt Cottonseed Cake on Growth and Health of Rams](#)



[Report Tackles China's Agricultural Transformation Plans for 2025](#)

RESEARCH



Transgene-Free Gene Editing and Genomic-Driven Accelerated Breeding Platforms for Specialty Crops

Agriculture faces unprecedented challenges from disease pressure and resource constraints. Therefore, by combining AI-powered genomic analysis with our transgene-

free editing capabilities, scientists are enabling the rapid development of improved crop varieties that would take decades through conventional breeding methods.

[Read full article...](#)



[Scientists Develop Gene-Edited Lettuce to Fight Micronutrient Deficiencies](#)



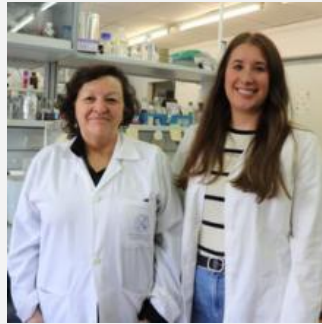
[Gene Editing to Develop Fragrant Peanuts](#)



[Corn Lines with High Flavonoid Content Could Kill Major Crop Pest](#)



[Scientists Decode the Genome of White Oak](#)



[Gene Editing Technology Sheds Light on Enhancing Nitrogen Fixation in Bean Genes](#)



[AI-Enabled Gene Editing Produces Fewer Off-Target Outcomes](#)

From The Secretariat



[Awareness Session on Enforcement of IPR in Seeds](#)



[Sustainable Agriculture Summit - Cultivating a Greener Future: Innovation, Resilience, Sustainability](#)



[At the National Workshop on Cotton Yield Improvement through HDPS](#)



[Navigating the Indian Seed Industry: Roadmap to Leading the Global Markets and Reaching Self Sufficiency](#)

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