

## **Outstanding Achievement, Women in Plant Mutation Breeding and Young Scientist Awards**

### **INTRODUCTION**

Six years have elapsed since researchers in plant mutation breeding were last recognized for their contributions to the field with Superior and Outstanding Achievement Awards at the IAEA 53th General Conference, on the 50th Anniversary of the Joint FAO/IAEA Division. The event, in 2014, was very successful, received excellent feedback, and was picked up by the national media in many member countries. Much progress in the field of plant mutation breeding has been achieved in the six years since then, which has prompted recommendations from member countries to hold a similar recognition event to promote further application of the science and its impact.

The Joint FAO/IAEA Division is therefore seeking nominations for Outstanding Achievement, Women in Plant Mutation Breeding, and Young Scientist Awards to celebrate the successes and promote further applications of mutation breeding. Any plant breeder, plant breeding team or institute that has made outstanding achievements in mutation breeding applying nuclear techniques and contributed to food security may be nominated.

The Awards will take the form of a certificate and they will be officially announced during the 65<sup>th</sup> regular session of the IAEA General Conference, which will be held at the IAEA's Headquarters in Vienna, Austria, from 20 to 24 September 2021.

### **NOMINATION PROCEDURE**

#### **Basic Criteria**

A nominee may be an individual, a team or an institute. The nominee must have made an outstanding contribution to the advancement of plant mutation breeding using nuclear techniques to meet food security issues of the country or countries to which the nominee is assigned. The contribution must be clearly identifiable and should involve successes, over the past ten years, in developing and releasing mutant varieties of plants. In exceptional circumstances, nominations may be based on major achievements in plant mutation breeding over a longer period of time.

Achievements should include the number of mutant varieties released to farmers and information on contribution to food security and their socio-economic impact such as additional income, improved traits and quality. A Nomination Form is provided in which details are requested on crop, improved traits, take-up by farmers, acreage covered, period of cultivation, socio-economic impact as well as any special technology development in plant mutation breeding.

#### **Selection Panel**

A Selection Panel will review all submitted nominations and make recommendations for awards. The Selection Panel will be chaired by the Director of the Joint FAO/IAEA Division of Nuclear Techniques in Food and Agriculture and will include staff members of the Joint Division's Plant Breeding and Genetics Section, selected FAO staff members and internationally acknowledged experts in the application of nuclear techniques in plant breeding.

### **Submission of Nominations**

Nominations must be submitted using the Nomination Form which is available on the Joint Division website (<http://www-naweb.iaea.org/nafa/pbg/index.html>) or by request to the Joint Division (Email: [Joint.Division@iaea.org](mailto:Joint.Division@iaea.org)). The form provides a means of listing measurable achievements. Completed forms should be endorsed by governmental authorities, including the Permanent Missions to the IAEA or FAO. They must be received by the Joint Division no later than **1 March 2021**. Nominations received after that date or submissions not containing the completed Nomination Form cannot be considered. The Selection Panel will collect and distribute appropriately all documentation concerned.



**Joint FAO/IAEA Programme**  
Nuclear Techniques in Food and Agriculture

## Nomination Form

### Award Categories:

- Outstanding Achievement Award
- Women in Plant Mutation Breeding Award
- Young Scientist Award

Name (Individual/Team/Institute):	
Award category	
Country:	
Institution:	
Address:	
Email:	

Nominating authority: _____ _____	
Signature: _____	
Date: _____	

Authorizing authority:

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Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Summary of major achievements in plant mutation breeding (500 words maximum):

Support from the Joint FAO IAEA Division (e.g. fellowships, training courses, Coordinated Research Projects [CRPs], Technical Cooperation Projects [TCPs], and others):

### Information on mutant varieties released

Variety (name):		
Crop species:		
Name of the breeder(s):		
Breeder's institution:		
Parental variety or line (name):		
Mutagen source:		
Mutant trait(s) improved:		
Year of variety release (official registration): (please provide copy of the official variety registration)		
Period of cultivation (example: 2014 to current)		
Average yield per hectare ( <i>t/ha</i> )		
Cumulative area covered by mutant variety since the year of release, in hectares (ha)		
Peak area covered by the mutant variety since its release, in hectares (ha), and the year when it had the peak area.		
Percentage of the total crop area cultivated with the variety during the peak year:		
Other impact information (e.g. value at farm gate, additional income per year, derived products, and others):		

Please make multiple copies of this table as necessary