



One Day Seminar on

**CLIMATE CHANGE AND CROP QUALITY:  
RECENT ADVANCES IN THE MANAGEMENT OF AFLATOXIN  
FOR IMPROVED CROP QUALITY AND FOOD SAFETY**



**JOINTLY ORGANIZED BY**

**Department of Agronomy  
PMAS Arid Agriculture University Rawalpindi**

&

**CABI Regional Bioscience Centre Pakistan**

**8<sup>TH</sup> SEPTEMBER 2021 (WEDNESDAY)**



Meeting ID: 955 408 3175  
Passcode: 112233

## INTRODUCTION

One day seminar on “**Climate Change and Crop Quality: Recent Advances in the Management of Aflatoxin for Improved Crop Quality and Food Safety**” will serve as an effective platform to discuss the recent trends to manage aflatoxin issues in crops for promoting crop quality and food safety in Pakistan.

## THEMES

Seminar will focus on the following major themes:

### **Basic:**

- Climate change: Crop quality and food safety
- Modeling climate change impact on aflatoxin production

### **Applied:**

- Recent advances in the management of aflatoxin for improved crop quality and food security

## OBJECTIVE

To provide a platform for subject matter experts to share their knowledge and experiences pertaining to science behind aflatoxin production with special reference to climate change and biological control model for aflatoxin management in Pakistan.

## WHO SHOULD ATTEND THE SEMINAR AND WHY?

Policy makers, agriculture related stakeholders, researchers, faculty members, extension worker, progressive farmers, young scholars and members of agronomic society from all over the Pakistan having interest in climate change, crop quality and aflatoxins mitigating strategies - a burning issue of the day. Participants will be welcomed to share their research findings and discuss their obligations to adopt smart strategies for the production of better quality and safer food.

## EXPECTED OUTCOMES

The seminar is expected to develop a shared vision on climate change threats to agriculture and aflatoxins and its deleterious effects on crop quality.

It will establish a platform for further networking and synergies of stakeholders regarding research, education and policy dialogue for practical and realistic adaptation measures. The highly interactive seminar will contribute to local capacity building on climate change and aflatoxin awareness and adaptation strategies.

# AGENDA

Venue: Seminar Room, PMAS-AAUR

09:30-10:00	Reception of Guests/Sign up
10:00-10:05	Recitation of Holy Quran
10:05-10:10	Hadiya Naat

10:10-10:20

## Welcome Address

Dr. Muhammad Ansar  
Chairman, Department of Agronomy  
PMAS-AAUR



10:20-10:30

## Opening Remarks

Prof. Dr. Qamar Uz Zaman  
Vice Chancellor, PMAS-AAUR



10:30-10:50

## Climate Change and Aflatoxin in Field Crops

Dr. Mukhtar Ahmed  
Assistant Professor  
Department of Agronomy, PMAS-AAUR



10:50-11:10

## Aflatoxin Threats to Food Safety

Mr. Muhammad Usman Raja  
Assistant Professor  
Department of Plant Pathology, PMAS-AAUR



11:10-11:30

## Tea

11:30-11:50

## Controlling Aflatoxin through Soil Sediments

Dr. Rifat Hayat  
Associate Professor  
Institute of Soil Science, PMAS-AAUR



11:50-13:00

## Innovative Model for Biological Control of Aflatoxins in Pakistan

Dr. Sabyan Faris Honey, Coordinator Bioscience, CABI  
&  
Dr. Atif Jamal, Principal Scientific Officer, NARC Islamabad



13:00-13:30

## Prayer Break

13:30-14:00

## Aflatoxin Contamination in Stored Grains

Dr. Farid Asif Shaheen  
Assistant Professor  
Department of Entomology, PMAS-AAUR



14:00-14:20

#### Varietal Response to Aflatoxin Accumulation in Peanut

Dr. Mahmood-ul-Hassan  
Assistant Professor  
Department of Plant Breeding and Genetics, PMAS-AAUR



14:20-14:30

#### Concluding Remarks

Prof. Dr. Fayyaz-ul-Hassan  
Dean  
Faculty of Crop and Food Sciences, PMAS-AAUR



14:30-14:50

#### Distribution of Shield

Prof. Dr. Qamar Uz Zaman  
Vice Chancellor, PMAS AAUR



Lunch

## SEMINAR ORGANIZERS

### Patron in-Chief

Prof. Dr. Qamar Uz Zaman, Vice Chancellor, PMAS-AAUR

### Patron

Prof. Dr. Fayyaz-ul-Hassan, Dean Faculty of Crop and Food Sciences, PMAS-AAUR

### Chief Organizers

Dr. Mukhtar Ahmed, Assistant Professor, Department of Agronomy, PMAS-AAUR

Dr. Hamzah Shahbaz, In-charge Aflatoxin Laboratory, CABI

### Organizing Committee (PMAS AAUR)

Dr. Muhammad Ansar, Chairman Department of Agronomy, PMAS-AAUR

Dr. Ghulam Qadir, Associate Professor, Department of Agronomy, PMAS-AAUR

Dr. Rifat Hayat, Associate Professor, Institute of Soil Science, PMAS-AAUR

Dr. Muhammad Akmal, Associate Professor, Institute of Soil Science, PMAS-AAUR

Dr. Farid Asif Shaheen, Assistant Professor, Department of Entomology, PMAS-AAUR

### Focal Person

Dr. Mukhtar Ahmed, Assistant Professor, Department of Agronomy, PMAS-AAUR

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