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# News Bulletin



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## Drone Sprayer and 3D Scanner Training Workshop-MNSUAM

The Department of Agricultural Engineering at MNS University of Agriculture Multan, in collaboration with the Agricultural Mechanization Research Institute (AMRI) Multan, organized a training workshop on drone sprayer and 3D scanner. The event aimed to introduce modern hi-tech technologies in agriculture and demonstrate the applications and benefits of drone spray and 3D scanning. The workshop was held on June 01, 2023, and was attended by students, faculty members, and progressive growers.

In his address, Prof. Dr. Asif Ali (T.I.) emphasized the need for integrating modern hi-tech technologies in agriculture to meet the challenges faced by the agricultural sector. He highlighted how technological advancements could significantly improve efficiency, sustainability, and productivity, benefiting farmers and the nation's economy. He also acknowledged the collaborative efforts between MNSUAM and AMRI in organizing this workshop, which provided a valuable opportunity for participants to learn about cutting-edge agricultural practices. He further emphasized to start practicing the technology in the field both at Agriculture Complex and at Farmer's field.

Addressing the event, Mr. Shahzad Director of Agricultural Mechanization Research Institute (AMRI), appreciated the joint efforts between AMRI and MNSUAM to promote the adoption of modern agricultural technologies. Furthermore he encouraged the participants to embrace technological advancements and contribute to transforming Pakistan's agricultural sector. He also assured Prof. Dr. Asif Ali (T.I.), that AMRI will continue its collaborative endeavors with the university. The resource persons for the workshop were a team of experts from the Agricultural Mechanization Research Institute (AMRI).



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“The use of modern hi-tech technologies in agriculture can significantly improve efficiency, sustainability, and productivity, thereby benefiting farmers and the nation's economy.”

Prof. Dr. Asif Ali (T.I.)

## **Drone Sprayer and 3D Scanner Training Workshop-MNSUAM**

Mr. Mehmood Riaz from AMRI highlighted the revolutionary applications of drone sprayer technology in modern agriculture and explained how drones with spraying equipment could efficiently disperse pesticides, fertilizers, and other chemicals over large agricultural areas with precision and accuracy.

Mr. Saeed from AMRI explained how 3D scanners create detailed and accurate digital drawings of machine components. 3D scanning offers farmers valuable insights into their fields, enabling them to make data-driven decisions for better crop management and resource allocation. The event concluded with a practical demonstration of drone sprayer and 3D scanner technologies. Participants had the opportunity to witness the drones in action and see firsthand how 3D scanning worked. The hands-on experience allowed them to better understand the equipment's functionalities and potential applications. The participation of students, faculty members, and progressive growers demonstrated enthusiasm and interest in adopting innovative practices to improve farming methods. The event was a significant step towards fostering a culture of technological innovation and progress in Pakistan's agricultural landscape.





## Seminar on Betterment of Environment-MNSUAM

A seminar was organized to propagate the green ideology on the eve of World Environment Day by the Plant for Life Society (PLS) in collaboration with the Department of Home Sciences at Academic Block Seminar Hall, MNSUAM, on June 06, 2023. The event witnessed the involvement of more than 200 participants. More than 50 environmental models with a plantation theme were presented by PLS and students of the Department of Home Sciences, showcasing their innovative approach.

The students from Ghazi University DG Khan also actively participated in the event. The Chief guest, Prof. Dr. Shafqat, appreciated the management team of PLS and Dr. Muqarrab Ali, Incharge of PLS, for organizing a wonderful event. It was decided that, in the future, such activities will be conducted on a larger scale both inside and outside the university.



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“MNSUAM will keep on playing a practical role in the propagation of the Go Green ideology through R&D and Outreach on a larger spectrum inside and outside the university.”  
Prof. Dr. Shafqat Saeed

## Commemorating International World Food Safety Day

A seminar was organized to commemorate World Food Safety Day by the Department of Food Science and Technology in collaboration with the Faculty of Food and Home Sciences at MNSUAM on June 07, 2023. Executives from different food industries and regulatory authorities, faculty and students participated in the seminar.

Prof. Dr. Asif Ali (T.I.), Vice-Chancellor of MNSUAM, highlighted the importance of food safety and the consequences of neglecting it. He emphasized that food safety must be ensured at all food points within the University. Additionally, he motivated students to pursue internships during summer vacations to gain practical knowledge of food safety practices from food industries and restaurants.

Dr. Tahir Zahoor, Ex. Director-General of the National Institute of Food Science and Technology, emphasized the significance of food safety and standards. He mentioned that the purpose of Food Safety Day is to raise awareness among people about preparing food according to food safety and hygiene rules and to promote awareness of these issues in the public.

The Director-General of Multan Metro Corporation, Muhammad Ali Shahzeb, highlighted the importance of safe food standards and stated that by following these standards, we can reduce food-borne diseases. Global standards have been established through the global food safety initiative, and adhering to them can lay the foundation of a healthy society. He also mentioned that every year, 160,000 people die from food-borne diseases.



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“Carelessness in following food safety protocols leads to the death of approximately 160,000 people every year because of food-borne diseases. Academia, industry, and regulatory bodies must work together to ensure food safety.”

Prof. Dr. Asif Ali (T.I.)



## Commemorating International World Food Safety Day

A representative from the Punjab Food Authority emphasized the need for academia, industry, and regulatory bodies to work together to ensure food safety. During the event, the Punjab Food Authority set up a stall to provide free food testing services to students, faculty, and participants. Samples of milk, spices, and ghee were analyzed.

To raise awareness about Food Safety Day, a walk was conducted at the end of the session, with more than 200 participants in attendance. Among the other attendees were Mian Muhammad Shahbaz, CEO of East Scientific Corporation; Miss Samia, Deputy Manager of ESC; Sheikh Fazl Elahi, CEO of Gold Bakers; Chaudhry Saifur Rehman, Director of Family Foods; Amjad Shafi Bhatta, Manager of International Food Industry; Shahzad Hasan, CEO of Freshco Sweets and Bakers; and Sagar Mehmood, Global Head of Quality Assurance at Metro Cash & Carry. The event was also graced by other faculty members, including Dr. Ambreen Naz, Dr. Nida Firdous, Dr. Nighat Raza, Dr. M. Sibte-Abbas, Dr. Shabbir Ahmad, and Mr. Muhammad Usman.



## Inauguration of Corn Cob Picker & Field Demonstration

The MNS-University of Agriculture Multan aims at contributions to agricultural research and development, achieved another milestone on June 13, 2023, with the inauguration of a modern corn cob picker. The event marked a significant step forward in advancing agricultural technology and practices in the region.

The inauguration and demonstration was attended by an enthusiastic and eager audience of progressive farmers, industrialists, faculty members, and students, all of whom gathered to witness this progressive initiative. The event commenced with the unveiling of the state-of-the-art corn cob picker, which was the outcome of months of extensive research and collaboration between the university's agricultural experts and industry partners. The machine was proudly showcased to the audience, highlighting its cutting-edge features and capabilities. Demonstration of the corn cob picker was done to showcase its efficiency and effectiveness. The machine effortlessly picked corn cobs from the fields, impressing the attendees with its precision and speed.

After the infield inauguration, a formal ceremony was held at the conference room. The ceremony continued with inspiring speeches from key individuals involved in the project, i.e., Agriculture Mechanization Research Institute (AMRI). Expressing his gratitude for the success of the project, Prof. Dr. Asif Ali (T.I.), Vice-Chancellor of MNSUAM, articulated that MNSUAM, together with the industrial sector, will keep on building a future where agricultural technology continues to evolve, empowering farmers, and contributing to sustainable agricultural practices in the region. He emphasized the importance of such technological advancements in increasing agricultural productivity and contributing to food security.

Mr. Hassan Raza, CEO of Neelam Seeds, highlighted the significance of collaboration between the academic and industrial sectors in driving innovation. Representatives from partnering agricultural companies shared their experiences of working with the university and expressed their commitment to further collaboration.



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“MNSUAM, together with the industrial sector, will keep on building a future where agricultural technology continues to evolve, empowering farmers, and contributing to sustainable agricultural practices in the region.”  
Prof. Dr. Asif Ali (T.I.)



## 14th Meeting of Finance and Planning Committee

The 14th meeting of the Finance and Planning Committee of MNSUAM was held in the committee room under the chair of Prof. Dr. Asif Ali (T.I.), Vice-Chancellor MNSUAM. The minutes of the thirteenth meeting were approved in the meeting. Apart from this, the budgets for the current fiscal year 2022-23 and the next fiscal year 2023-24, with sizes of 326.851 million and 1018.844 million, respectively, were reviewed and sanctioned. Ms. Samina Director of Finance, Higher Education Commission appreciated the strict financial control and adoption of double entry system by the university.



## Father's Day-MNSUAM

A seminar was organized on the occasion of International Father's Day by the Directorate of Public Relations on June 20, 2023, at MNSUAM. While presiding over the seminar, Vice Chancellor Prof. Dr. Asif Ali (T.I.), expressed that a father is a devoted guardian for his children, whose whole life is spent for the betterment of his family. He holds immense reservoirs of love for his children. The Vice Chancellor added that the role of the father in the education of the children cannot be stressed upon enough. A father leaves no stone unturned for the betterment of his children, with the sole aim of making their lives better than that of the parents.

On this occasion, Dr. Rasheed Ahmad highlighted that there are three types of rights in Islam: the rights of Allah, the rights of oneself, and the rights of the people. Prof. Dr. Mubasher Mehdi articulated that when we become fathers and reach the threshold of old age, only then the true depths of a father's heart are revealed to our own hearts. If children can fathom the extent of their father's love for them, then they will be convinced that there is no one in the whole world who can be more compassionate, loving, and friendly than a father. Prof. Dr. Umar Farooq, Mr. Imran Mehmood, Mr. Muhammad Rafiq Farooqi, Mr. Zulfiqar Ali Tabassum, and Dr. Rana Binyamin, among others, graced the occasion with their presence.



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“Father is a devoted guardian for his children, and his whole life is spent for ensuring comfort and betterment of his children”  
Prof. Dr. Asif Ali (T.I.)



## 7th Annual Mango Festival-MNSUAM

The highly anticipated 7th Annual Mango Festival, from July 7-9, 2023, organized by Muhammad Nawaz Shareef University of Agriculture Multan and Mango Research Institute and sponsored by DHA Multan, kicked off in DHA. The Mango Festival 2023 was inaugurated by Governor Punjab, Engr. Muhammad Baligh Ur Rehman, who graced the occasion as the chief guest. Governor Punjab, Engr. Baligh Ur Rahman, expressed his gratitude towards the university, research institutes, mango growers, and DHA for their collaborative efforts in organizing the mango festival. He also commended DHA for the establishment of the Mango Museum, emphasizing the role of the government in expanding universities and research institutes to foster increased research. Governor Baligh Ur Rahman emphasized the need for research institutes and universities to play their part in enhancing mango production. Additionally, he stressed the importance of proper packaging and hygienic maintenance of mangoes, as well as the necessity to train small vendors in hygienic sales processes. He emphasized the significance of promoting not only the popular mango varieties but also the lesser-known ones and called for a collective improvement of attitudes to foster a better nation.

Prof. Dr. Asif Ali (T.I.), Vice-Chancellor Muhammad Nawaz Shareef University of Agriculture Multan, highlighted the vital role of mango nurseries in mango production. Noteworthy advancements in this regard include the establishment of disease-free nurseries in Multan and Jalalpur Peerwala. Furthermore, the introduction of the Mango Small Tree System has significantly contributed to increased mango production. The integration of an artificial intelligence-based smart trap has proven instrumental in detecting the mango fruit fly, while the development and provision of a protein bait system for mango fly control have benefited mango growers across Pakistan. The imminent completion of the Smart Chamber and the implementation of an online system, facilitated by IT, for mango marketing further demonstrate the university's commitment to technological advancements. The university's packaging and branding of mangoes under the brand UniFresh has garnered positive attention. Notably, the Mango Festival is set to take place in Islamabad and Lahore and also in Riyadh, Saudi Arabia, and Beijing, China in August this year. Moreover, the much-anticipated inauguration of the Mango Museum and Botanical Garden, encompassing four acres within DHA, will be officiated today by the honorable Governor.





## 7th Annual Mango Festival-MNSUAM

Dr. Abdul Ghaffar, director of the MRI, shed light on the overall mango conditions and the introduction of new mango varieties. Furthermore, he provided insights into the progress made in nursery management. Dr. Ghaffar also emphasized the adverse impact of climate change on mango orchards, particularly in relation to heatwaves. Addressing the challenges faced by nurseries and advocating for subsidies on mango drying were identified as crucial concerns.

Brigadier Shoaib Anwar Kayani, the Project Director of DHA, highlighted the region's reputation for mango production and its abundance of resources. He stressed that DHA is built upon a futuristic vision and plans to maintain seven percent of its area as green space to mitigate the adverse effects of climate change. These and numerous other developments have elevated DHA's living standards, with more than 100 varieties of mango set to be planted in the Mango Museum. Furthermore, over 3,500 mango saplings have been successfully planted within DHA, effectively transforming it into Mango DHA.

The esteemed Governor Punjab inaugurated the Mango Museum and Botanical Garden, marking a significant milestone in the festival. The Mango Festival continued for the three days, offering an array of delightful mango-themed activities and experiences. The Mango Festival 2023 concluded with a renewed fervor for continuing the preaching of the mango supply chain from producer to consumer in the national and international market. Prof. Dr. Asif Ali (T.I.), Vice-Chancellor MNSUAM, concluded the festival with a promise to continue the custom as a social event.



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“MNSUAM's traditional Annual Mango Festival is a highly commendable endeavor, which emphasizes the need for research institutes and universities to play their part for a collective improvement of attitudes to foster a better nation.”  
Governor Punjab, Engr. Muhammad Baligh Ur Rehman



## First Annual Thesis Display 2023 by FFHS-MNSUAM

The Department of Food Science and Technology, Faculty of Food and Home Sciences, Muhammad Nawaz Sharif University of Agriculture, organized the First Annual Theses Display 2023, in which postgraduate students of the Department of Food Science and Technology enthusiastically presented their theses and research. Numerous food industrialists, CEOs, and general managers from South Punjab participated in this academic event.

Thanking all the dignitaries, Prof. Dr. Asif Ali (T.I.), Vice-Chancellor of MNSUAM, warmly welcomed all industrialists, CEOs, and managers for their enthusiastic participation. He expressed that academia and industries must go hand in hand because academia has expertise, research, and knowledge, but the real vision of business commercialization is with the industry. Therefore, both academia and industry must join hands, and he appreciated the efforts of Prof. Dr. Umar Farooq and Associate Prof. Dr. Muhammad Shahbaz for organizing the First Annual Thesis Display 2023.

Sharing their views, the dignitaries unanimously articulated that research should not be limited to grades only, but research should be such that it solves the problems of the country and the industry. They appreciated all the participating students of the Annual Thesis 2023.

Mian Rashid Iqbal, President MCCI; Chaudhry Zulfiqar Ali Anjum, CEO Volka Foods International; Sheikh Ahsan Rasheed, CEO Hafeez Ghee and General Mills; Sheikh Faisal Saeed, CEO Mix Foods; Chaudhry Irfan Elahi, CEO International Food Industries Multan; Chaudhry Saif Ur Rehman, Director Family Food Products Multan; Mr. Qaiser Saeed, Project Manager GAIN M; Mohsin Malik, CEO Spirit International; Malik A Rasheed, CEO Malik Foods Multan; Dr. Zulfikar Rana; and Dr. Talha Zubair graced the event. Alongside them, from the Faculty of Food and Home Sciences, Professor Dr. Umar Farooq, Coordinator FFHS; Chairman Department of Food Science and Technology, Dr. Muhammad Shahbaz; Dr. Shabbir Ahmed; Dr. Nighat; Dr. Nida Firdous; Dr. Sibte Abbas; and Mr. Muhammad Usman from the Faculty of Food and Home Sciences were present at the event. At the end of the ceremony, Prof. Dr. Asif Ali, Vice-Chancellor MNSUAM, and Chaudhry Zulfiqar, CEO of SM Foods, presented souvenirs of appreciation to all the industrialists and guests.



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“As long as academia and industries are working in collaboration, nothing can stop development in any sector, and this strong relationship can guarantee success in each field.”

Prof. Dr. Asif Ali (T.I.)



## Inauguration of MNSUAM Display Corner

A display corner was inaugurated under the patronage of the Department of Food Science and Technology, Faculty of Food and Home Sciences, at Muhammad Nawaz Sharif University of Agriculture Multan. The display corner was inaugurated by Prof. Dr. Asif Ali (T.I.), Vice-Chancellor MNS-UAM, along with Prof. Dr. Rana Altaf, Vice-Chancellor NMU, Prof. Dr. Kamran, Vice-Chancellor MNS-UET, Prof. Dr. Uzma Qureshi, Vice-Chancellor Women University, Multan, and Prof. Dr. Muhammad Rashid Qamar Rao, Principal Nishtar Medical College.

There were many commercial products made by different departments showcased at the display center, ranging from food products including beverages, pickles, cereals, flours, and dehydrated products to university souvenirs and university-branded sports kits. The main purpose of this display center is to showcase commercial products made by different departments of the university and to develop technical skills in students regarding product development, marketability, and commercialization. This visual element in the form of a display center is necessary to communicate concepts and experiences across various media. The display center will help produce creative products to demonstrate innovation in the concepts of product development and to motivate students towards entrepreneurship. Prof. Dr. Asif Ali (T.I.) appreciated this initiative and motivated the organizers for further improvement and outreach activities.

All the worthy guests also appreciated this initiative of MNSUAM, stating that this kind of display center will encourage students to think critically, solve challenging problems, develop communication skills, master public speaking, conduct technologically viable research, learn teamwork, planning, self-sufficiency, and goal setting, which will prepare them for advanced and modern careers. Prof. Dr. Irfan Ahmed Baig, Prof. Dr. Shafqat Saeed, Prof. Dr. Umar Farooq, Dr. Muhammad Shahbaz, and Dr. Binyamin Rana were also present at this inauguration ceremony.



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“This display center will not only showcase the products of the university, but we will also provide safe and quality food and drink items to the employees of the university and the people around.”  
Prof. Dr. Asif Ali (T.I.)