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WORLD ENVIRONMENT DAY 2022 "Only One Earth"

50th World Environment Day was celebrated on 5 June, 2022. with the theme "Only One Earth". To mark the World Environment Day, the Department of Soil and Environmental Sciences organized a seminar, and a poster/model competition in which a large number of students, faculty members, civil society, and other stakeholders participated. Prof. Dr. Asif Ali (T.I), Vice Chancellor, MNSUAM on the occasion, emphasized on the importance of guality environment which has tremendous impact on our survival, health, food security, economy and prosperity. He also briefly highlighted the number of steps steps being initiated at MNSUAM to protect the environment for our future generations. For the seminar, three keynote speakers: Dr. Muhammad Dawood (Associate Professor, BZU), Dr. Muhammad Tahir (Assistant Professor, COMSATS Vehari), and Mr. Misbah ul Haq Lodhi (Deputy Director, Environment Protection Department, Multan) were invited who delivered comprehensive presentations on the theme. The lectures were followed by discussions, in which students as well as audience participated actively. The Chairman of the Department of Soil and Environmental Sciences, Dr. Tanveer ul Hag on this occasion briefed that in order to mitigate the environmental pollution; the scientists at MNSUAM are working tirelessly and are developing different methods in this realm. For example, management of smog-causing crop residues, speeding up composting of such materials through the use of microbes, purification of wastewater by using biofilters, purification of contaminated water using constructed wetlands; and use of biofertilizers in minimizing the agrochemicals have been developed and employed in minimizing the environmental impact. He further elaborated that due to these efforts towards sustainability; the University is recognized in UI Green Metric globally as well as locally.





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WORLD ENVIRONMENT DAY 2022 "Only One Earth"





ROLE OF PLANTATION IN THE CONTEXT OF CLIMATE CHANGE

Seminars and poster competitions on the role of plantation in the context of climate change were organized by the Plant for Life Society and Green Youth Movement Club in which students from various national and international universities participated. The special guest of the seminar was MNSUAM Vice Chancellor, Prof. Dr. Asif Ali (T.I,) while the distinguished guests were Prof. Dr. Abrar Ahmed and Dr. Salman Mubarak. Prof. Dr. Asif Ali said that MNSUAM is the number one environmentally sustainable University in Pakistan which is an honor. The Universi-



ty's job is not only to make societies aware of climate change, but also to contribute to the country's development by adopting modern research. The Plant for Life Society is actively organizing various events and providing guidance on the environmental issues. Prof. Dr. Abrar Ahmed said that we should plant more trees that can cure cancer. Dr. Salman Mubarak said that we should do not waste plastic and posters. Instead, shopping bags can be made out of these. By adopting modern research and introducing innovations in the context of climate change, we can transform Pakistan in to a developed country. Dr. Muqarrab Ali (Incharge, Plant for Life Society) briefed the participants about the impact of climate change on the environment and agriculture. Students participated in poster competitions and staged various performances and poetry to highlight climate change issues. Coordinator Faculty of Agriculture Prof. Dr. Shafqat Saeed, Dr. Abdul Ghaffar, Dr. Tanveer Ahmed, Dr. Hafiz Mohkam, Dr. Nazar Farid and other faculty members and a large number of students attended the event.





ROLE OF PLANTATION IN THE CONTEXT OF CLIMATE CHANGE









WORLD FOOD SAFETY DAY

World Food Safety Day (June 07) draws attention and inspire action to help prevent, detect, and manage food-borne risks. Every year this day is celebrated to spread awareness about food safety among the public as well as stakeholders who play a major role in the regulation of rules. To mark this day, the Department of Food Science & Technology and Punjab Food Authority organized a seminar on June 7, 2022. The Public Health Society of the university set up a medical camp on the occasion. MNSUAM Vice Chancellor, Prof. Dr. Asif Ali (T.I) presided overthe seminar. Prof. Dr. Umar Farooq, Chairman, Department of Food Science & Technology welcomed all the guests, participants, and students in the session and shared brief history and background of the World Food Safety Day. He also highlighted three aspects of food safety i.e., Prevention of food-borne diseases, Diagnose/detection, and Management. Mr. Umair Hanif (DDO, Punjab Food Authority (PFA), Multan) briefed about the role and functions of Punjab Food Authority. He also discussed the vision (Improve Food Safety and Nutrition) and mission (to ensure the provision of safe and healthy food to the entire population of Punjab) of PFA. Mr. Saif Ur Rehman (Director, Family Foods Multan) gave credit to the PFA for guiding him to make the first-ever FSSC-22000 certified industry in Punjab – Family Foods. He suggested the use of disposable glasses for local sugarcane juice because non-disposable glasses cause the spread of contagious diseases such as hepatitis, AIDS, etc. Muhammad Saif (Director Operations, PFA, Multan) encouraged the students to take part in the regulatory measures imposed by the PFA. He laminated that according to the latest World Health Organization (WHO) data, one in 10 people

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worldwide falls ill every year due to eating contaminated food, which kills 400,000 people annually. He said that students are frontline people who will work as responsible persons in the food industry in the future and regarded them as the eyes and ears of society. He also advised the students to keep food safety as their first priority. He informed the audience that we can connect to the PFA through social media to ensure safe food from farm to fork. Prof. Dr. Asif Ali thanked all the guests and appreciated the team FST for creating a combination of FST and HND with other related disciplines. Prof. Dr. Asif Ali shared his own experience when he was the focal person of a tripartite commission (Pakistan, Afghanistan, and the USA) that worked for food safety from farm to fork to ensure food safety standards like HACCP certification. He also appreciated the concept of wellness created in the environment of the university. Food-borne illness can be avoided, following the food safety measures. Furthermore, we need to keep a check on our food habits and lifestyle, he added. In the end, he suggested maintaining a safe-food environment in our canteens and hostels, working as a team with PFA, and performing annual audits. Dr. Muhammad Shahbaz, Associate Professor, Department of Food Science & Technology thanked the Punjab Food Authority and all the stakeholders













PALM CULTIVATION AND PRODUCTION IN PAKISTAN

Institute of Plant Breeding and Biotechnology organized an International Seminar on Promotion of Palm Cultivation and Production in Pakistan on June 8, 2022. Vice Chancellor Prof. Dr. Asif Ali (T.I) welcomed the guests and spoke briefly on the importance of dates. Talking from Oman, Rashid Al-Yahyai informed about the current situation in Oman regarding the production and cultivation of dates. Date palm is the primary crop in the Sultanate of Oman and represents 75% of all fruit trees in the country. Irrigation using scarce water resources is practiced in all date producing regions of Oman. Soil and water salinity, pests and diseases, increased production costs as well as limited market outlets led to a decline in date production in recent years. He presented ways to improve date palm production in Oman. Factors that adversely affect date palm production were discussed and solutions were proposed to increase total production of dates in Oman. He added that agroecology is very important for the promotion of modern agriculture and can increase production. Scientists of both the countries can work together to increase the production and quality of palm cultivation through their research collaboration. Prof. Dr. Sarwar Mirzad discussed the date palm production context on a global scale. He said that although Pakistan ranks eighth in terms of palm exports but due to lack of value addition and good packaging, the money earned is not appreciable. Prof. Dr. Hamad Nadeem Tahir, Dr. Zulqarnain khan, Dr. Muhammad Shoaib, Ms. Palwasha Khanum, other faculty and a large number of students were present on the occasion.





PALM CULTIVATION AND PRODUCTION IN PAKISTAN



COTTON PRODUCTIVITY ENHANCEMENT

A cotton seminar was organized by two sister organizations, Institute of Plant Protection and Engro Fertilizers, Pakistan on June 09, 2022. Secretary Agriculture South Punjab, Multan Mr. Saqib Ali Ateel was Guest of Honour. Due to changing climatic conditions, poor agronomic practices, unavailability of irrigation water, fertilizers and plant protection chemicals and low market value, cotton cultivation has decreased from 5 million acres to 2.9 million acres in the area. This decrease resulted in less production of cotton throughout the country and threatened economy of Pakistan. Keeping in view the worsened situation, various stake holders like academia, provincial government, industry, research organizations and farmers gathered on a platform provided by MNS University of Agriculture and Engro Fertilizers Pakistan. The seminar was opened by the welcome note of MNSUAM Vice Chancellor Prof. Dr. Asif Ali (T.I.). He welcomed the honourable guests and explained the efforts of MNSUAM for the betterment of cotton. He told the audience that this year, Government of Punjab has launched a cotton campaign in collaboration with the universities. In order to participate in this campaign, the students of B.Sc. (Hons.) Agriculture will join hands with Agriculture Department for assistance, motivation, and training of farmers about cotton



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cultivation. This activity will also boost the professional morale and knowledge of students about field. The Vice Chancellor highlighted efforts of Prof. Dr. Shafqat Saeed, Coordinator, Faculty of Agriculture and Environmental Sciences, and his team for providing expertise and services regarding integrated pest management in the area, through effective linkage of academia, research institutes and farmers, since last couple of years.



Dr. Saghir Ahmad, Chief Scientist, Cotton Research Institute (CRI) Multan, discussed the different varieties of cotton, their response to stress and their production technologies. He said that better cotton yield can be achieved by timely land preparation, delinting of seed, sowing on a well prepared land, maintaining optimum plant population, selection of good varieties, proper application of fertilizers and irrigation, integrated pest management and clean picking. He was also hopeful for the future of cotton crop in the area because of collaborated efforts of various stake holders. Mr. Shahzad Shabir Director Agriculture (Ext.), Multan highlighted different crops which replaced cotton in the previous years. He also discussed the achievement of cotton production in 2021 because of dedicated efforts made by various departments including MNSUAM and Agriculture Extension. These efforts included pink boll worm management, delay in first spray, IPM demo plots, use of botanicals, early morning pest scouting, hot spot treatment, rigorous feedback from farmers through extension workers, guidance of farmer through social media and fortnightly meetings with authorities. He discussed that competing crops for cotton such as rice, maize and sugarcane. Other factors for cotton production declination were climate change, pest outbreak and resurgence and marketing issues.



Muhammad Asif Ali, Head Agronomy, Engro Fertilizers Pakistan highlighted the role of proper use of fertilizers for cotton crop, He advised the farmers to not flood DAP just like urea due to difference in mixing and run off ability of both fertilizers. He persuaded farmers to make efforts to increase the organic matter of soil for crop betterment along with better water retention. Mulching will be helpful for the soil to retain its essential nutrients, he added. Mr. Naveed Alam Qureshi, Manager Agronomy Engro Fertilizers Limited, advised the farmers to use plant protection chemicals judiciously and also to choose environmental friendly chemicals. Unwise use of plant protection chemicals may reduce natural enemies and lint quality. Mr. Hassan Raza, Seed Production Official came with suggestions to do team work. He requested Secretary Agriculture to assure the quality of plant protection chemicals. Director General Agri. Research, Mr. Muhammad Nawaz Khan Maikan elaborated the importance of crop, and paradigm shift of its cultivation area due to climate change. He advised farmers to visit their field regularly. Chief Guest, Secretary Agriculture, Mr. Saqib Ali Ateel emphasized the need of IPM and application of botanicals for cotton production. He assured the farmers for quality assessment of plant protection chemicals and availability of fertilizers. Moreover, he advised them to choose good variety and adoption of modern production technologies. He urged the universities and research institutes to disseminate latest findings among the farming community.



SECRETARY AGRICULTURE PUNJAB VISITED MNSUAM

Secretary Agriculture Punjab, Mr. Asad Ullah Khan visited MNS University of Agriculture Multan. The main purpose of this visit was to review the ongoing developmental works at MNSUAM. On this occasion, MNSUAM Vice Chancellor Prof. Dr. Asif Ali (T.I.) gave an overview about the University. The Secretary Agriculture Punjab said that few years ago when he was the Commissioner of Multan, this area was occupied by tenants. It is an immense pleasure to see the development of a purpose built campus on this area in a very short span of time. Moreover, Secretary Agriculture chaired an online meeting with various fertilizer companies regarding timely provision of the fertilizers to the farmers. In the end, he appreciated the efforts of the Vice Chancellor for significant achievements of the MNSUAM at the national and international level. Dr. Anjum Ali Buttar DG Agriculture Extension Punjab, and Prof. Dr. Shafqat Saeed were also present on the occasion.





WORLD PEST DAY

A seminar on World Pest Day was organized by Institute of Plant Protection, MNSUAM on June 6, 2022. The seminar was presided over by the MNSUAM Vice Chancellor, Prof. Dr. Asif Ali (T.I). The day was dedicated to spread awareness about pest management and its benefits to preserve quality of life for people and plants around us. Speaking on the occasion, Vice Chancellor Prof. Dr. Asif Ali said that harmful insects, herbs and all living things that share resources with human beings are pests. These are a major challenge to our food security and human lives. For example, mosquitoes cause many diseases. About 2.1 million bales of our cotton are lost every year. Similarly, wheat, rice and maize are also severely damaged. The university is working day and night to find ecofriendly solutions to all these problems. Dr. Unsar Naeem Ullah, Associate Professor said since not all pests are harmful, pest scouting should be done before spraying so that beneficial insects remain safe. The same principle applies to the eradication of weeds. In the seminar, Dr. Ishtiaq Ahmed, Dr. Naeem Iqbal, Dr. Nadir Naqash, Dr. Asif Farooq, Dr. Qamar Saeed and Dr. Moazzama Batool from Bahauddin Zakaria University Multan, other faculty and students participated.







WORLD PEST DAY

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WORLD DAY TO COMBAT DROUGHT AND DESERTIFICATION

MNS University of Agriculture Multan organized one day seminar on June 17, 2022 to observe the World Day to Combat Drought and Desertification. The seminar was organized in person and on zoom at 10:00 am. The Vice-Chancellor Prof. Dr. Asif Ali (T.I.) in his inaugural address highlighted that in future drought can be be prolonged and disastrous. He briefed about the drought phenomena and its impact on food security. Dr. Nasrin Salehnia Seoul National University, Seoul, South Korea gave a talk on tools for drought scenarios and the impact of drought on wheat crop. She briefed about different tools used in drought studies. Mr. Jahanzaib Dharala gave a thought-provoking briefing on the current challenges of water situation in Pakistan and possible remedial measures. He opined that the urban wastewater treatment and recharging the groundwater can be helpful for wastewater management and overcoming the water shortage challenges. Dr. Shahzada Adnan, from PMD Islamabad, highlighted the role of the department towards warning the general public about the upcoming environmental and water related threats. He briefed that the advisories are issued in case of a forthcoming drought or water shortage warning. Dr. Umair Waqas highlighted the role of one health concept about the drought. Dr. Ashfaq gave a talk on climate change and water productivity issues in Pakistan. In the end, Prof. Dr. Shafqat Saeed thanked all the speakers and participants. He highlighted that reforestation is much needed in the current situation of droughts and to mitigate the upcoming challenges of water shortage. After the seminar was concluded, Prof. Dr. Nasir Nadeem gave a talk on the importance of water during his Jumma Sermon. After the Jumma prayer, a walk was organized to highlight the importance of the day to combat drought and desertification.



WORLD DAY TO COMBAT DROUGHT AND DESERTIFICATION





MEETING OF BOARD OF ADVANCE STUDIES AND RESEARCH

The 16th meeting of the Board of Advance Studies and Research (BASR) was held on August 17, 2021 under the chairmanship of Vice Chancellor, Prof. Dr. Asif Ali (T.I). Other participants of the meeting included Representatives of DG Water Management, DG Agricultural Research Dr. Sagheer Ahmed, DG Field Engr. Iqbal Sabir, Chief Executive PARB, MNSUAM Registrar Mr. Imran Mahmood, Director Graduate Studies Dr. Nasir Nadeem, Dean, Faculty of Social Sciences Prof. Dr. Irfan Ahmed Baig. Coordinator, Faculty of Agriculture and Environmental Sciences Prof. Dr. Shafqat Saeed, Controller Examinations Mr. Zulfiqar Ali Tabassum, Dean, Faculty of Veterinary and Animal Sciences Prof. Dr. Asif Raza, Prof. Dr. Hamad Nadeem Tahir, Prof. Dr. Ashfaq Ahmed, Prof. Dr. Umar Farooq, Prof. Dr. Tanveer-ul-Haq, Prof. Dr. Junaid Ali Khan, Dr. Abdul Ghaffar, Dr. Tanveer Ahmed, Dr. Salman Qadri, Dr. Sarfraz Hashim, and Dr. Mohsin Nawaz attended. In current meeting, previous decisions taken in 15th BASR meeting were reviewed. Revisions in curriculum of different departments/Institutes were discussed for further necessary action. Draft curriculum of various programs such as M.Sc. (Hons.) Animal Nutrition and Ph.D Animal Nutrition, M.Sc. (Hons.) Agri. Extension and Ph.D Computer Science were considered and approved. Research titles of various postgraduate students were also discussed and approved. Panel of foreign subject experts was also approved who will evaluate the Ph.D thesis. Chair thanked all the members to attend the meeting and for their valuable inputs.





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MEETING OF BOARD OF ADVANCE STUDIES AND RESEARCH



12th MEETING OF THE FINANCE AND PLANNING COMMITTEE

The 12th meeting of Finance and Planning Committee (F&PC) of MNSUAM was held on June 18, 2022. It was chaired by Vice Chancellor Prof. Dr. Asif Ali (T.I). The meeting was attended by Ms. Samina Durrani, Director Finance, Higher Education Commission; Chaudhry Shah Sawar, Director Local Audit Fund, Nominee, Director Finance; Dr. Ahmed Bilal, Deputy Secretary Agriculture Planning, Nominee, Secretary Agriculture, Punjab, Lahore; Prof. Dr. Shafqat Saeed, Coordinator, Faculty of Agriculture and Environmental Sciences; Prof. Dr. Irfan Baig, Dean, Faculty of Social Sciences and Humanities; Prof. Dr. Mohammad Asif Raza, Coordinator, Faculty of Veterinary and Animal Sciences Mr. Imran Mahmood (Registrar, MNSUAM), Mr. Muhammad Rafiq Farooqi (Treasurer, MNSUAM), Mr. Asif Nawaz (Deputy Treasurer, MNSUAM) and Mr. Shakeel Ahmad (Assistant Treasurer,



MNSUAM) also attended this meeting. The house approved the revised budget of 792 million PKR, while, the proposed budget worth 1257 million PKR for the year 2022-23 was recommended. The proposed budget includes development budget of 411 million PKR and the 500 KW solar energy project. Moreover, ongoing research projects of the university were also reviewed.





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12th MEETING OF THE FINANCE AND PLANNING COMMITTEE



WEBINAR ON WORLD FATHER'S DAY

To mark the World Father's Day, a seminar was organized by the Directorate of Public Relations and Publication MNSUAM on June 20, 2022 in a blended mode. The objective of the day was to recognize the contribution and services of fathers for their children. Mr. Waris Sial, a motivational speaker and master trainer delivered a talk to offer tribute to all fathers on "Father's Day". He said that a loving father is like a tree with deep shadow. The relationship of father is pure from every personal interest, artificial attitude and worldly benefits. Addressing on the occasion, Prof. Dr. Asif Ali (T.I) said that this day is honoring fathers and celebrating fatherhood, paternal bonds, and the influence of fathers in society. Our religion also teaches us to respect our parents; their blessing shapes every dimension of our lives. He said that parents' training and prayers are the reason that we survive and succeed against hardships of life. He urged the students to respect their parents and prayed for those who have left this world.



WEBINAR ON WORLD FATHER'S DAY











CAPACITY BUILDING WORKSHOPS ON PLANT BIODIVERSITY RESEARCH AND SCIENTIFIC WRITING

The institute of Plant Breeding and Biotechnology, MNSUAM and Faculty of Veterinary and Animal Science, MNSUAM in collaboration with the University of Kassel, Germany organized two workshops as part of Biodiversity + Project from June 27, 2022 to July 2, 2022. A well-known scientist Dr. Martin Wiehle from University of Kassel, Germany, talked with participants (faculty and students) on Biodiversity assessment and effective ways of scientific writing. First workshop addressed the "Biodiversity Assessment and presevation" to cope up with the climate change pressure. The two-day workshop aimed at training the students so that they can preserve and utilize the biodiversity of plants present in Pakistan. The core objective was to appraise the plant biodiversity and devise efficient strategies for research on biodiversity conservation and necessary capacity building for this purpose Participants performed hands on instruments required for the biodiversity assessment present under natural conditions. The participants spend four hours in field and learned about the use of instruments required for biodiversity assessment from Dr Martin Wiehle.





The second workshop "Scientific Writing and Publishing" was all about learning effective ways for publishing of scientific research. Over a three day period, participants were informed about the common mistakes a researcher unintentionally makes during manuscript writing. The subjects which were discussed in detail during this workshop included types of scientific articles, web search engines, arts and concepts of developing different sections of a scientific paper, referencing, journal selection, peer review process, online submissions, research and publication ethics, introduction to bibliometrics, English grammar and ghost authorship. The workshop also provided the opportunity to address participants' specific questions about any of these topics. These were followed by open house discussions, as well as practical exercises in small groups with facilitator. Dr. Martin Wiehle also shared his knowledge about the selection of a suitable journal for submission of manuscript related to a particular research. He said journal selection is critical and the aims of your research publication must match the target areas of the journal. In his last sessions, Dr Martin Wiehle briefed the faculty and students about opportunities to start education in German universities. He shared various scholarships opportunities for students and faculty that can be availed to start education in Germany. He also shared his experiences related to the friendly relationship of Pakistan and Germany. The workshops were ended with great knowledge sharing.





BASKETBALL MATCHES

On the eve of World Olympic Day (June 23, 2022), Office of the Hall Warden (Hostel Management) and Directorate of Sports, MNSUAM organized basketball competitions. University Warriors, and two teams of Pakistan Army, Baloch Regiment (39 Regiment and 18 SP) were head to head for the friendly matches. Where the strong Soldiers of Pak Army presented their gaming skills, whereas University Warriors tested their muscles in the court. The famous coach of Multan Basketball Alliance Moinuddin, Nadeem Bhatta, Hafiz Asim, performed the duties of Officials for Umpiring. While speaking at the occasion, VC Prof. Dr. Asif Ali (T.I) said that after suffering from loneliness due to a disaster like Corona, the young generation should come out of closed rooms and benefit from the sports facilities available at the campus. It is our duty to give students the ample opportunities to be happy, but to take advantage of this, students must make their mark in these sports. Hall Warden, Dr. Mirza Abdul Qayyum said that our youth, which is entangled in gadgets and excessive use of social media, must be brought out of the comfort zone to prepare for the challenges of life. Playgrounds are crucial in this regard. He further emphasized to ignite the spirit of using sports facilities on regular basis. He invited the faculty members and students to join on every Thursday at 8:00 pm for weekly festivity of basketball in Mulberry Courts.





MEDIA BRIEFING REGARDING UPCOMING MANGO FESTIVAL

A briefing was organized on June 29, 2022 at MNSUAM with renowned media houses regarding upcoming Mango Festival. Addressing a media briefing, Vice Chancellor Prof. Dr. Asif Ali (T.I) said that mango production has been affected to due erratic temperature rise this year. We are working to find out the reasons for the decline in mango production due to climate change this year. MNSUAM will conduct a well-designed survey to assess the damage caused by the heat waves on different varieties of Mango and developed strategy to improve mango production in the changing climatic conditions. Rising demand for mangoes and supply of high quality mangoes are the major challenges and MNSUAM is working on mango breeding so that mango can be delivered to high value customer in a better way and our growers can get good price from it. He further acknowledged the collaboration of mango growers across Pakistan that has enabled to develop digital marketing of mangoes for large stores and value chains. We have successfully developed value-added products such as UniValue Dry Mango. Innovative solutions such as high density mango tree system and cardboard packaging have been successfully promoted. Mango Festivals in Islamabad and Multan will improve domestic and export marketing. The mega event will help to explore new potential markets for mango trade between Pakistan and various countries, discovering new overtures such as post-harvest mango technology, enhancing Pakistan's mango trade and production, and to understand emerging trade-market trends in Central Asia, Asia Pacific and beyond. It will include seminars and panel discussions on climate change and public digital marketing. Through such festival, our exports have changed significantly as it provides an opportunity for meetings and negotiations. The Mango Festival is one of our major festivals that provides an opportunity to engage the farming community, industry and other stakeholders across Pakistan. He desired that overall improvement in mango production and supply chain is required in our major mango production clusters. He urged to start Mango Breeding and availability of certified and molecularly authenticated nursery. He emphasized that supply chain management and marketing with branding and traceability should be the future focus to facilitate growers and exporters. Finally, the Vice Chancellor thanked the electronic media and press media for their important role in all these festivals. Prof. Dr. Irfan Ahmed Baig, Prof. Dr. Shafqat Saeed, Prof. Dr. Mubashir Mehdi, Dr. Kashif Razzaq, Dr. Amar Matoolb, Dr. Abid Hussain and Mr. Riaz Ahmad were also present on the occasion.

