

International Conference



Training and Capacity Building in Sustainable Agricultural Water Management to Address Food Security and Social Instability in Pakistan



27-29 JUNE, 2018

Organized by

Department of Environmental Sciences
PMAS Arid Agriculture University Rawalpindi Pakistan



PROGRAMME

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| DAY-1 Wednesday 27 June, 2018 | Opening Session | |
| | Main Auditorium PMAS-Arid Agriculture University Rawalpindi | |
| | 09:30 a.m. | Guests to be Seated |
| | 10:00 a.m. | Arrival of Chief Guest |
| | 10:10 a.m. | Recitation from Holy Quran |
| | 10:15 a.m. | Welcome Address by Prof. Sarwat N. Mirza, Vice Chancellor PMAS Arid Agriculture University Rawalpindi-Pakistan |
| | 10:25 a.m. | Project Overview, Achievements and Success by Prof. Mauro Centritto, Director, Trees and Timber Institute-CNR, Italy |
| | 10:40 a.m. | Remarks by Prof. Antonio Sabbatella, President Institute of European Studies “Alcide De Gasperi” (Italy) |
| | 10:50 a.m. | Remarks by Dr. Pietro Pipi, Head Department VI-Rural Development and Food Security, Italian Agency for Development Cooperation |
| | 10:55 a.m. | Address by H. E. Stefano Pontecorvo, Ambassador of Italy, Islamabad, Pakistan |
| | 11:05 a.m. | Address by the Chief Guest |
| | 11:15 a.m. | Presentation of Souvenirs/Shields |
| | 11:25 a.m. | Vote of Thanks |
| | 11:35 a.m. | Group Photo |
| | Tea Break | |
| Session: 1 Main Seminar Room: Faculty of Crop and Food Sciences, PMAS-AAUR | | |
| Session Chair: Prof. Mauro Centritto Prof. Francesco Ferrini | | |
| Time | Speaker | Title |
| 12:15 p.m. | Dr. Guido Bonati Director, Research Council for Agricultural Research and Agricultural Economy Analysis (Italy) | Water saving in agriculture: coupling policies and technologies |
| 12:40 p.m. | Dr. Kostas Chartzoulakis Ex director, Institute for Olive Tree and Subtropical Plants (Greece) | Sustainable management of irrigation water in arid and semi-arid areas under climate change |

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| 1:05 p.m. | Dr. Muhammad Tariq Director, Barani Agricultural Research Institute, Chakwal-Pakistan | Future prospects of olive business in Pakistan |
| 1:30-2:15 p.m. Lunch & Prayer Break | | |
| Session: 2 Main Seminar Room: Faculty of Crop and Food Sciences, PMAS-AAUR | | |
| Session Chair: Dr. Kostas Chartzoulakis Prof. Tariq Mahmood | | |
| Time | Speaker | Title |
| 2:15 p.m. | Prof. Mauro Centritto Director, Trees and Timber Institute, CNR-Italy | Sustainable use of water in agriculture under a changing climate |
| 2:40 p.m. | Prof. Mohammad Jamal Khan The University of Agriculture, Peshawar, Pakistan | Effect of climate change on key crops in Khyber Pakhtunkhwa |
| 3:05 p.m. | Prof. Mohamed Ghrab Olive Institute University of Sfax, Tunisia | Deficit irrigation of fruits orchards a promising on-farm water management under water scarcity |
| 3:30 p.m. | Prof. Imran Hashmi National University of Sciences and Technology, Islamabad | Role of constructed wetlands in Pakistan: A case study of Islamabad |
| 3:45 p.m. | Prof. Mubashir Riaz Director, University Institute of Information Technology, PMAS Arid Agriculture University Rawalpindi | Mapping crop areas: Spatio temporal monitoring of crops |
| 4:00 p.m. | Dr. Firdos Khan Islamic International University, Islamabad | The role of Indus river for the economy of Pakistan under climate change scenario: The present and future |
| 4:15 p.m. | Dr. Shahid Iqbal UET Peshawar/Asian Development Bank | Climate change impact on flood frequency and intensity in Kabul River Basin |
| 4.30 p.m. | Dr. Muhammad Iqbal Space Applications & Research Complex, SUPARCO, Islamabad | Soil & water conservation prioritization using geospatial techniques: A case study of Potohar region of Pakistan |
| 4.45 p.m. | Tea/Coffee | |

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| DAY-2 Thursday 28 June, 2018 | 8:00 a.m. | Departure from University | |
| | Field Visit & Farmers' Open House | | |
| | Lunch 1.00 p.m Return: 2.30 p.m | | |
| DAY-3 Friday 29 June, 2018 | Session: 3 Main Seminar Room: Faculty of Crop and Food Sciences, PMAS-AAUR Session Chair: Dr. Guido Bonati Dr. Muhammad Tariq | | |
| | <i>Time</i> | <i>Speaker</i> | <i>Title</i> |
| | 8:50 a.m. | Prof. Francesco Ferrini Dean, School of Agriculture University of Florence (Italy) | Plant responses to drought stress: How traditional and innovative methods can help to maintain healthy green areas while limiting water consumption |
| | 9:15 a.m. | Dr. Rosario Napoli ¹ and Dr. Nicola Laruccia ² ¹ Council for Agricultural Research and Economics Research Centre for Agriculture and Environment, Italy. ² Institute of European Studies "Alcide De Gasperi" Italy. | Traditional vs innovative techniques of water harvesting in microbasins according to soil type and climatic conditions: A case study from Koont Farm |
| 9:40 a.m. | Dr. Riffat Bibi Soil and Water Conservation Research Institute Chakwal Pakistan | Ecohydrological watershed management strategies for sustainable agriculture and food security in rainfed area of Pakistan | |

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| 09:55 a.m. | Dr. Gianni Della Rocca Institute for Sustainable Plant Protection, CNR, Florence, Italy | From global change to climate change: Effects on plant diseases |
| 10:10 a.m. | Dr. Bashir Ahmad National Agricultural Research Centre (NARC), Islamabad | Water resources in Indus basin: constraints under climate change |
| 10:25 a.m. | Dr. Qaisar Mahmood COMSATS University, Abbotabad | Toxicological assessment in selected crop under wastewater irrigation |
| 10:40 a.m. | Dr. Nazish Adnan Federal Post Graduate College for Men H-9, Islamabad | Use of gridded climate datasets to estimate evapotranspiration and aridity to overcome uncertainties in 21st century climate change |
| <i>10:55 a.m. Tea Break</i> | | |
| Concluding Ceremony | | |
| Main Seminar Room: Faculty of Crop and Food Sciences, PMAS-AAUR | | |
| 11:15 | Guests to be Seated | |
| 11:25 a.m. | Arrival of Chief Guest | |
| 11:30 a.m. | Recitation from the Holy Quran | |
| 11:35 a.m. | Conclusions and Future Prospects | |
| 11:45 a.m. | Views/Remarks by the National and International Participants | |
| 11:55 a.m. | Address by Prof. Sarwat N. Mirza, Vice Chancellor, PMAS Arid Agriculture University Rawalpindi, Pakistan | |
| 12:05 p.m. | Address by the Chief Guest Dr. Yusuf Zafar <i>T.I.</i> , Chairman, Pakistan Agricultural Research Council | |
| 12:15 p.m. | Distribution of Certificates/Shields | |
| 12:25 p.m. | Vote of Thanks | |
| Lunch & Jumma Prayer | | |