Being an Agricultural Institution, our main objective is to impart education and training to produce high quality Agricultural Scientists. Therefore, we are committed with the philosophy that we advance our farmer community by sharing positive and proven ideas and experiences. Along with Agricultural Sciences, the university offers degree programs at all levels in basic and Natural Sciences, Social Sciences, Humanities, Management Sciences, Computer Sciences and Information Technology.

The University seeks to make a major contribution to the agricultural advancement across the country. Therefore, we are dedicated to the prosecution of research across all fields of study, believing in research culture with clear application and relevance.

With a dynamic and stimulating educational environment, our tradition is to accept challenges and to receive wisdom today, in order to achieve new things and new approaches for tomorrow. Embracing education in its widest context, we continually strive to remain at the forefront of knowledge.

We are committed to prepare our students to work, acquire skills and enhance their capabilities that equip them adequately to live in rapidly changing global environment.

PROF. DR. RAI NIAZ AHMAD
EXECUTIVE SUMMARY

During the year 2015, Pir Mehr Ali Shah (PMAS) Arid Agriculture University Rawalpindi made substantial efforts to improve academic as well as research activities along with financial resources. Various teaching departments were upgraded/strengthened through the development of infrastructure, procurement of sophisticated scientific equipments and purchase of books etc. The faculty members completed so far 47 Research Projects worth Rs. 90.298 million which were sponsored by various funding agencies i.e. HEC, PSF, PARC, & UAF.

Faculty members attended eighty two National/International workshops/ seminars/ symposiums/ conferences to share/transfer knowledge in different scientific fields within the country and globally. The faculty members were encouraged to improve their qualifications and visit universities aboard to update their technical knowledge and transfer technical know-how from international universities/institutes. During the year, faculty members of different departments of the University obtained short term trainings, doctoral/post-doctoral fellowships and executed research work in Australia, China, USA and UK.

The strength of the students is increasing day by day by virtue of the academic record and excellence of the university. At present more than ten thousand students are quenching their thirst of education from this prestigious educational organization. Three hundred & forty two scholars are doing their Doctorates in different disciplines of Agriculture, Forestry and Biological Sciences at this university. The linkage between faculty, Industry and farming community was further promoted/strengthened to ensure the penetration and achievements of objectives of the university. Memorandum of Understandings (MoUs) with various national and International organizations were signed for academic and research sharing. The provision of better Research facilities encouraged the faculty to publish 295 Research Papers in National (126) and International (169) reputed journals.
ABOUT THE UNIVERSITY

Pir Mehr Ali Shah Arid Agriculture University Rawalpindi (PMAS-AAUR) was established in 1994 as University of Arid Agriculture by upgrading the Barani Agriculture College on the recommendation of Barani Commission Punjab. The mandate of the university is to produce high quality Agricultural Scientists and to form an organized scientific infrastructure for teaching and research for the development of dry land region of the country in general and Pothwar in particular; thus minimizing the income gap between the rich and poor.

Since its inception, PMAS-AAUR has experienced remarkable growth and is offering undergraduate as well as post graduate degree programs in variety of disciplines. The University includes a Faculty of Crop and Food Sciences, Faculty of Sciences, Faculty of Forestry, Range Management & Wildlife, Faculty of Veterinary & Animal Sciences, Faculty of Agricutural Engineering & Technology, Division of Continuing Education, Home Economics & Women Development, University Institute of Management Sciences (UIMS), University Institute of Information Technology (UIIT) and University Institute of Biochemistry & Biotechnology. The University building contains an auditorium, multi-storied administrative and academic blocks, a state of the art library and a sports gymnasium.

Pursuit of excellence on the University campus is a function of competent and dedicated university faculty. PMAS-AAUR has, therefore, made constant efforts at staff development with the result that nearly 60% of the faculty possesses Ph.D. degrees, while the others have M.Sc. (Hons) and M.Phil degrees.

Furthermore, PMAS-AAUR is committed to delivering an outstanding student experience; as well as to enjoy a reputation for excellence in teaching and learning alongside research. Students actively participate in extracurricular and co-curricular life on campus which includes speech events, seminars and activities related to entrepreneurial skill development. Together with a research-informed curriculum, and extracurricular activities, PMAS-AAUR strives to provide a well-diversified environment to students so that they can effectively contribute towards development of the country.
## FACULTIES/INSTITUTES/DIVISION

<table>
<thead>
<tr>
<th>FACULTY OF CROP &amp; FOOD SCIENCES</th>
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</thead>
<tbody>
<tr>
<td>Department of Agronomy</td>
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<tr>
<td>Department of Horticulture</td>
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<tr>
<td>Department of Entomology</td>
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<tr>
<td>Department of Plant Pathology</td>
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<tr>
<td>Department of Plant Breeding &amp; Genetics</td>
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<tr>
<td>Department of Soil Science &amp; SWC</td>
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<tr>
<td>Department of Food Technology</td>
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<tr>
<td>Department of Agri. Extension</td>
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<tr>
<th>FACULTY OF SCIENCES</th>
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</thead>
<tbody>
<tr>
<td>Department of Zoology/Biology</td>
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<tr>
<td>Department of Botany</td>
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<tr>
<td>Department of Biochemistry</td>
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<tr>
<td>Department of Economics and Agricultural Economics</td>
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<tr>
<td>Department of Mathematics/Statistics</td>
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<td>Department of Sociology &amp; Anthropology</td>
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<td>Department of Environmental Sciences</td>
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<td>Department of Clinical Studies</td>
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<tr>
<th>FACULTY OF AGRICULTURAL ENGINEERING &amp; TECHNOLOGY</th>
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<tbody>
<tr>
<td>DIVISION OF CONTINUING EDUCATION, HOME ECONOMICS &amp; WOMEN DEVELOPMENT</td>
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<td>UNIVERSITY INSTITUTE OF BIOCHEMISTRY &amp; BIOTECHNOLOGY</td>
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<table>
<thead>
<tr>
<th>SUB CAMPUSES</th>
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<tbody>
<tr>
<td>Sub Campus Khushab</td>
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<tr>
<td>Sub Campus Attock</td>
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## ACADEMIC PROGRAMS

### UNDERGRADUATE PROGRAMS

<table>
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<th>BS in Computer Science</th>
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<td>BS in Forestry</td>
<td>B.Ed (Bachelor in Education)</td>
</tr>
<tr>
<td>BBA (Bachelor of Business Administration)</td>
<td>BS in Information Technology</td>
<td>DVM (Doctor of Veterinary Medicine)</td>
</tr>
<tr>
<td>BSc (Hons) Agri. Engineering</td>
<td>B.Sc (Hons) Human Nutrition &amp; Dietetics</td>
<td>BS (Microbiology)</td>
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<tr>
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<td>BS (Remote Sensing &amp; GIS)</td>
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### POST GRADUATE PROGRAMS (M.Sc)

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<td>MBA (Agribusiness)</td>
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<tr>
<td>Statistics</td>
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<td>Agricultural Economics</td>
<td>Plant Pathology</td>
</tr>
<tr>
<td>Plant Breeding &amp; Genetics</td>
<td>Agriculture Extension &amp; Communication</td>
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<tr>
<td>Horticulture</td>
<td>Poultry Science</td>
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### M.PHIL/MS

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<td>Zoology</td>
<td>Wildlife Management</td>
<td>Biology</td>
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<td>Forestry &amp; Range Management</td>
<td>Computer Sciences</td>
<td>Education</td>
</tr>
<tr>
<td>Biotechnology</td>
<td>Remote Sensing and Geographical Information System</td>
<td>Anthropology</td>
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### PHD

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<th>Soil Science &amp; SWC</th>
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<tr>
<td>Food Technology</td>
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<tr>
<td>Botany</td>
<td>Plant Pathology</td>
<td>Poultry Science</td>
</tr>
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<td>Economics</td>
<td>Agronomy</td>
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<tr>
<td>Agriculture Engineer</td>
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<td>Biotechnology</td>
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<tr>
<td>Sociology</td>
<td>Remote Sensing &amp; GIS</td>
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</tbody>
</table>
ACADEMIC ACHIEVEMENTS

The university offers eighty one degree programmes in various disciplines of Agriculture, Agricultural Engineering, Basic & Social Sciences, Veterinary, Forestry, Range Management, Wildlife, Business Administration, Computer Sciences & Information Technology and Education. Currently the enrollment of the University is 10424 which is increasing every year. The University initiated the new degree programs in 2015 i.e. BS (Remote Sensing & GIS), M.Phil in Anthropology and Ph.D in Sociology, which were also approved by the Academic Council. This University has so far turned out 308 Ph.D., 15708 M.Phil, M.Sc. (Hons.)/ MS/ M.Sc. and, 7008 B.Sc.(Hons.)/D.V.M/ BS/BBA/B.Ed.

Establishment of Sub Campus of PMAS-AAUR at Attock

A Sub Campus of PMAS-Arid Agriculture University at Attock was established in last year. In this regard a PC-I titled “Establishment of Sub Campus of PMAS-Arid Agriculture University Rawalpindi at Attock” was approved by the Agriculture Department, Government of the Punjab on 12.11.2014 for a period of two years with a total cost of Rs. 72.208 million. The Sub Campus of PMAS-AAUR has been established temporarily in Government College Attock. The Honourable Chief Minister Punjab has approved to include the land acquisition (1023 Kanals) in PC-I amounting to Rs. 112.052 million for establishment of Sub Campus at Attock. Therefore, the PC-I was revised on 02.04.2015 after the inclusion of price of acquisition of land for establishment of sub-campus Attock at the tune of Rs. 188.260 million.
Initiation of B.Sc (Hons) Agriculture Classes at University Research Farm, Koont, Gujar Khan

The university started the classes of B.Sc (Hons) Agriculture at University Research Farm, Koont, Gujar Khan. Presently, there are 400 students of Agriculture discipline studying there as a boarder students and are learning basic and modern agriculture On Farm techniques which will be highly useful in their futuristic practical life. The main theme behind the starting of classes at University Research Farm Koont is to equip the students of B.Sc(Hons) Agriculture about the practical aspects of their study.

Establishment of Faculty of Agricultural Engineering & Technology

The University established a new faculty in 2013 i.e. Faculty of Agricultural Engineering & Technology. It is the dire need of Barani area to introduce Agricultural Engineering in this institution. Water conservation technology is also of prime importance due to the rain fed agriculture. The major task of Faculty of Agricultural Engineering & Technology is to apply technological and engineering tools to increase agriculture production, improve product quality and increase system efficiency while preserving the quality of the environment.

To strengthen the newly established faculty, a PC-I titled “Strengthening of Agricultural Engineering & Women Development Program at PMAS-AAUR” was approved by the CDWP with a total cost of Rs. 751.244 million. The consultant for drawings & design of the building has been hired and the contract for Civil Work awarded to contractor.
HONOURS AND AWARDS

PMAS-Arid Agriculture University Rawalpindi improved its position in HEC ranking of the Universities and stood 5th out of 73 Universities of Pakistan. The ranked at 152 among the Agriculture and Forestry universities of the world, according to the ranking carried out by the world's most renowned and prestigious ranking agency Quacquarelli Symonds (QS), UK.

Awards of the Faculty

Prof. Dr. Tariq Mukhtar, Department of Plant Pathology, Prof. Dr. Tariq Mahmood, Dr. Azeem Khalid, Associate Professor, Department of Environmental Sciences, and Dr. Asif Ahmad, Associate Professor, Department of Food Technology have been awarded “Research Productivity Award” from Ministry of Science and Technology, Pakistan Council for Science and Technology, Islamabad.

Best Research Paper Award has been awarded to Dr. Azeem Khalid, Department of Environmental Sciences by Higher Education Commission of Pakistan.

INSTITUTIONAL LINKAGES

- Four Brothers Group of Companies Lahore
- Capital Development Authority Islamabad
- The Rawalpindi Chamber of Commerce & Industry
- State Life Insurance Corporation of Pakistan
- Agribusiness Support Fund
- Sustainable Used Specialist Group-Central Asia (SUSG-CASIA) Quetta
- DELL Pakistan
- Water and Power Development Authority (Wapda)
- Dairy and Rural Development Foundation
- CAB International (CABI) Central and West Asia, Rawalpindi
- Barani Agricultural Research Institute (BARI) Chakwal
- Indus Consortium Islamabad
- MKS (Magnus Kahl Seeds) Australia
RESEARCH AND DEVELOPMENT

R&D – AN OVERVIEW

The University, being the prime institute for agricultural education and research has the obligation to provide trained manpower to all sectors of agriculture in Punjab Province. The Faculty and Researchers of this University have been conducting basic and applied research in the field of:

- New Technologies to Overcome Water Shortage
- Production of Biofuels
- Formulation of New Food Products
- Promotion of High Yielding & Drought Resistance Wheat and Canola Cultivars
- Recycling of Organic Wastes of Sustainable Crop Productivity
- Production of Pathogen Free Horticultural Plant Nurseries
- Soil and Water Contamination Studies
- Biotechnology

The university is focusing its efforts on need base research of arid agriculture in general and Pothwar region in particular. A number of research projects have been completed in the past and still many research projects are being run by the faculty. Conducting research is mandatory for all students of both graduate and undergraduate levels. The faculty and researchers at the University are availing different funding opportunities for their research projects. Some are listed below:

- Higher Education Commission of Pakistan
- Pakistan Science Foundation
- Pakistan Agricultural Research Council (PARC)
- Punjab Agriculture Research Board (PARB)
- Endowment Fund Secretariate, University of Agriculture, Faisalabad.
- International Foundation for Science
University faculty focused their research activities on the issues of farming community of Barani areas in general and Pothwar in particular. These included projects related to soil conservation, weed management, drought tolerance studies in wheat through genetic engineering and environmental related issues. The following Research projects were operational during 2015.

- Potential application of nanotechnology in crop/vegetable growth, nutrient use efficiency, crop tissue culture and tolerance to osmotic stress
- Promotion of safflower (Carthamus tinctorius) through participatory approach in Pothwar
- Characterization of soil bacteria using gene sequencing and response of cereal to associative N2 – fixer and P-solubilizers
- Stimulation of soil biological activity through organic amendments for enhancing phosphorus availability in soil-plant system
- Isolation and identification of plant growth promoting N2-fixing soil bacteria using macular techniques for improving legume cereal cropping system
- Inter-Comparison of CENTURY and DSSAT Model Simulations to Improve Soil Based Climate Change Resilience and Adaptability of Rainfed Crop Production Systems in Pakistan
- Enhancing Biological Nitrogen Fixation, Soil Water Holding Capacity and Agronomic Benefits Through Biochar Application in Dryland Area
- Production of pathogen free, true to type olive plants through tissue culture
- Varietal improvement of gladiolus through in vitro mutation
- Improving Yield Quality and Storage Life of Bell Pepper by Use of Food Grade Chemicals
- Improvement of Berry Quality and Post Harvest Performance of Grapes cv. Parlette and King’s Ruby by Using Food Grade Chemicals
- Somatic Hybridization for Citurs Improvement: A Way Towards a Low Input Sustainable Citrus Culture in Pakistan
- Identifying drought tolerant synthetic wheat lines and determining their genetic diversity through DNA makers.
- Genetic Analysis of SUMOylation in Tomato and its Role in Plant Defence
- Genetic diversity and phylotyping of Ralstonia solanacearum strains causing bacterial wilt of chillies in major chilli growing areas of Pakistan
- Surveillance and pathogen characterization of bacterial canker of stone fruits using biochemical and molecular methods and its bio-management
- Studies on characterization and management of leaf crinkle virus infecting black gram
- Utilization of plant growth promoting rhizobacteria for the induction of systemic resistance in potato seed against bacterial rot diseases
- Molecular studies on a complex of potyviruses infecting solanaceous vegetable / crops in Pakistan and their management
- Nematodes Infecting Temperate Fruits in Pakistan and their Management
- Surveillance and Characterization of Pathogens Infecting Loquat in Pakistan
- Development of Bio-Pesticides for the Control of Soil-Borne Diseases of Tomatoes and Chillies Caused by Pythium and Phytophthora spp.
- Establishing year-round rearing facilities of bumble bees, important pollinator of commercial fruit and vegetable crops.
- Insecticide Resistance and mechanisms of resistance in brinjal shoot and fruit borer Leucinodes orbonalis (Lepidoptera: pyralidae)
- Mosquito Fauna of Pothwar Region: A Resource-Based Approach
- Ants-aphid’s Mutualistic Association, its Impact on Biological Parameters of Aphids and Predation of Coccinelids
- Value Addition of Selected Stone Fruits by Osmotic Dehydration and Hot Air Drying
- Characterization of Nutraceutical Potential of Buckwheat and value Addition of Cereal Products
- Screening for the Selection of Exopolysaccharide-Producing Strains for Yoghurt Making
- Characterization of putative promoter elements in OsRGLP2 promoter region
- Determination of biological activities and micropropagation of Polygonum amplexicaulis; A popular medicinal plant of North Pakistan
- Identification of Genetic Risk Factors for Metabolic Syndrome in a Pakistani Population of Local Origin
- Establishment of Tissue Culture and Genetic Transformation Protocol for Local Varieties of Lentil (Lens Culinaris Medik)
- Screening of Cellulose Degrading Extremophilic Enzymes From Indigenous Fungi and Study of Site-Directed Mutagenesis Strategies to Enhance Their Activity
- Population size, food Habits and Economic Importance of Commensal Rodents in Rural Pothwar
- Screening of different avian egg yolks for cryopreservation of buffalosemen: a step to improve fertility in buffaloes with frozen semen
- Biodiversity and ecology of bats and rodents in the thorn forests and croplands of the Pothohar plateau
- Biological Control of Rats and Mice in Agricultural Areas of Pothwar Barn Owl (Tyto Alba)
- Baseline Studies on Wildlife Diversity in Selected Protected Areas of Pakistan (Phase-II)
- Role of Crop Field Boundary Vegetation in Population Ecology of Passerine Birds in Pothwar Area
- Ecologically-based Rodent Management in Croplands of Pothwar Plateau, Pakistan
- Are Anurans Impacted by Urbanization? Anuran Monitoring and Conservation in a Human dominated Landscape
- Biotreatment of Industrially Discharged Azo Dye Contaminants Using Bioaugmentation
- Utilizing bacterial ACC-deaminase biotechnology to mitigate impact of water stress (drought) on cereal crops
- Biotreatment of Tannery Wastewater and Its Application for Biomass Production of Energy Crops
- Development of breed identification marker for Pakistani dairy cattle breeds
- Development of Genetic Evaluation Model for Dhanni Cattle as Potential Beef Cattle in Potohar Region of Punjab
- Collaborative Research for Genetic Conservation and Improvement of Pakistani Goats jointly funded by USAID and HEC
- Preparation and Application of Multi-Epitopes DNA Vaccines Against Newcastle Disease
- Development of Breeding Objective for Improved Milk Protein Quality of Dairy Animals
- Evaluation of Intravenous Hypersomotic Sodium Bicarbonate Solution as an Adjunct to Antibiotic Therapy on Acid-Base Status and Cardiovascular Function in Buffalo Calves with Induce and Spontaneous Neonatal Diarrhea Associate with Escherichia Coli;

RESEARCH PROJECTS FUNDING

The PMAS-AAUR Faculty also undertook Research Projects in addition to teaching assignments. These projects were sponsored by different funding/donor agencies. The detail of Research Projects is given below:

<table>
<thead>
<tr>
<th>S No</th>
<th>Name of Funding Agency</th>
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<th>On Going</th>
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<td><strong>Total</strong></td>
<td><strong>47</strong></td>
<td><strong>58</strong></td>
<td><strong>105</strong></td>
<td><strong>390.492</strong></td>
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</tbody>
</table>

PUBLICATIONS

The faculty published 295 Research Publications in National and International reputed journals in 2015. (Details are given at Annexure-I)
CONFERENCES, SEMINARS AND WORKSHOPS, ETC.

Holding of Seminars, Workshops and Conferences is a regular feature of the university where experts from various fields are invited to share their experiences with faculty, students & researchers on current issues of international and national importance. Such an activity is important for research and academic development of an institution as it provides guidelines for policy development at national level. During 2015, different departments of the University organized Thirty Four (34) International and National Workshops/Seminars/Conferences. The university faculty also participated and contributed research papers in Fourteen (14) International and Sixty Eight (68) National Workshops/Seminars/Conferences (Details are given at Annexure-II)

RESEARCH JOURNALS

Journal of Arid Agriculture and Biotechnology (JAAB)

On the direction of Worthy Vice Chancellor and the recommendation of the Academic Council of the University, a new research journal “Journal of Arid Agriculture and Biotechnology” has been launched. First issue of the journal is ready to be published in coming year. The aim of the journal is to publish latest research achievements and promote integration and cooperation in agriculture and allied sciences.
Quarterly Baran Magazine

The University has started publishing a quarterly baran magazine under the experienced management. This initiative has been taken by the worthy Vice Chancellor for the dessimination of modern agriculture technology and information among the farming community. This magazine will also fill the gap among the policy makers, scientific community and end beneficiaries. The first issue of Baran was on “Wheat Production Technology” which has been distributed among the extension workers, policy makers, agricultural related authorities and progressive farmers in all over Pakistan on compliment basis. It is hope that this magazine will work as ambassador of the University with respect to the technology transfer programs.

Quarterly News Letter

In order to have a close contact with community and activities at university “Quarterly News Letter” is being published on quarterly basis. This is widely circulated among the students, faculty and all other sister organizations.

Monthly Campus News

The Campus News is being published on monthly basis to inform the students and the faculty about the ongoing and forthcoming important activities of the University. This is being circulated among the University community.

Naveed-e-Baran

This magazine is an annual publication which caries creative contribution from students and is managed by an Editorial Board mainly comprised of students.

RESEARCH COLLABORATIONS

The University has initiated collaborative projects with the following R&D organizations for the purpose of research.
➢ Himalayan Wildlife Foundation (HWF), Islamabad
➢ Punjab Wildlife & Parks Department, Lahore
➢ Directorate of Wildlife & Fisheries, AJ&K, Muzaffarabad
➢ Sustainable Use Specialist Group, Central Asia, Quetta
➢ Human Rights & Minorities Affairs Department, Govt. of Punjab, Lahore
➢ Agribusiness Support Fund
➢ Dairy and Rural Development Foundation
➢ World Wide Fund
➢ Pakistan Bait-ul-Mal

FOREIGN LINKAGES

The University has developed external linkages with the reputed R&D organization all over the world in order to strengthen his students and faculty. These are as follows:

❖ University of Florida USA
❖ International Center for Agriculture Research in the Dry Areas (ICARDA) Syria
❖ Institute of Agro Environmental and Forest Biology & National Research Council Italy
❖ Ohio State University USA
❖ Curtin University of Technology, Western Australia
❖ Nova Scotia Agriculture College, Canada
❖ Hebei Agriculture University (HAU) China
❖ The University of Bedfordshire U.K.
❖ Massey University New Zealand
❖ Northwest A&F University China
❖ Department of Environmental Engineering, Bioenergy Technical University of Denmark
❖ Management Committee of Baise National Agricultural Science and Technology Zone of Guangxi, P.R. China
❖ Biogas Institution of the Ministry of Agriculture (BIOMA) P.R. China
❖ Kyungpook National University
❖ Chinese Academy of Agricultural Mechanization Sciences (CAAMS)
❖ Engineering Research Center of Biological Control, Ministry of Education, College of Natural Resource and Environment, South China Agricultural University
❖ Selcuk University Turkey
❖ Kastamonu University Turkey
The Office of Research, Innovation & Commercialization (ORIC) a central staff office reporting to the Vice Chancellor, is charged with administrative responsibility for all University research and related activities involving extramural sponsorship. In fulfilling its duties, the Office of Research serves as both a center of advocacy for research and related activities, and facilitator of the research environment. The functional areas supported by Office of Research staff include information services, project and proposal development assistance, and grants and contracts administration for pre-award and selected post-award tasks. All proposals submitted by University personnel must be transmitted to and reviewed by Office of Research staff to assure adherence to internal and external policies and procedures. The Director of the Office serves as the designated University Officer for all related matters. The Office of Research, Innovation & Commercialization seeks to enhance the environment for all research and scholarships by:

- Supporting the university’s strategic research directions and policies
- Increasing and diversifying external research funding
- Improving recruitment and retention of top faculty
- Improving integration of research and education at all levels of the university
- Improving translation of research into the public benefit
- Strengthening university-industry relationships
- Promoting entrepreneurship, technology-transfer and commercialization activities that energize and support the local and national economy
- Promoting and enhancing crosscutting and multi-disciplinary research initiatives
QUALITY ENHANCEMENT CELL

Arid Varsity established Quality Enhancement Cell (QEC) in 2007 aimed to assess, monitor and assure quality of educational program and research to converge towards international compatibility using the following tools/practices:

- Review quality standards in teaching, learning and research;
- Promote public confidence in academics and research outputs of the University;
- Develop quality assurance processes and methods of evaluation to affirm that the quality of provision and the standards of awards are being maintained; and,
- Develop procedures for monitoring, evaluation, departmental review of different degree programs, students’s and employer’s feedback about quality of education etc.

VISION

“To develop the Pir Mehr Ali Shah Arid Agriculture University into a Centre of Excellence by providing an outstanding educational environment with emphasis on arid/rainfed agriculture and related professions”

MISSION

- To achieve excellence in teaching and research through continuous quality enhancement by monitoring and reviewing the progress
- To form a well-organized scientific infrastructure for teaching and high-tech research for the development of dry land regions of the country
- To produce graduates with adequate training for high professional achievements to enhance the scientific vision for the Barani areas
IMPACT OF QUALITY ASSURANCE

Quality assurance demands not only a standardized mechanism of checks and balances but it also requires an all-embracing training to understand the demands of upcoming challenges in the fields of education and research. The Quality Enhancement Cell has played a vital role in creating quality culture at the Arid Varsity. It has got implemented the quality criteria/standards designed by the Higher Education Commission of Pakistan for the quality enhancement/assurance for the HEIs.

The QEC has automated feedback system for the evaluation of faculty and courses at the end of every semester. Significant improvements in the curriculum and the quality of teaching and research have been made through Self Assessment Program in place. The weaknesses are identified and corrective actions are taken at program and department level. Awareness about the quality in education and research has also been created among the faculty and staff through training sessions. A strict monitoring of synopsis and thesis defense and implementation of anti-plagiarism policy has improved the quality of post-graduate research significantly.

MEMBERSHIPS OF INTERNATIONAL ASSOCIATIONS/NETWORKS

- Asia Pacific Quality Network (APQN)
- TUFTS University/Talloires Network UK
- Association of Quality Assurance Agencies of the Islamic World (IQA)

RANKING OF THE QEC

The QEC-AAUR ranked in the top-most ‘W’ category, securing 89.1% score, in the Quantitative Assessment of the QECs of all Pakistani Universities by the Higher Education Commission of Pakistan for the year 2014-15.

Based on the evaluation made by the HEC, scores obtained by the QEC-AAUR during the past five years are depicted below.
Quantitative Assessment of QEC-AAUR by the Higher Education Commission of Pakistan
Faculty Development is a continuous phenomenon in order to achieve academic excellence. Therefore, to improve academic programs, the addition of new faculty is a regular feature at the University. The management of the University has great coherence, liaison and coordination with faculty in enhancing quality educational & research opportunities. Resultantly, PMAS-AAUR is producing useful & trained human resource in specialized sectors of Agriculture, Sciences, Information Technology, Management Sciences and Allied Disciplines. The details of regular faculty members in different faculties are as under:-

<table>
<thead>
<tr>
<th>Sr. #</th>
<th>Name of Faculty/Institute</th>
<th>Lecturer</th>
<th>Assistant Professor</th>
<th>Associate Professor</th>
<th>Professor</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Faculty of Crop &amp; Food Sciences</td>
<td>14</td>
<td>37</td>
<td>11</td>
<td>13</td>
<td>75</td>
</tr>
<tr>
<td>2.</td>
<td>Faculty of Sciences</td>
<td>20</td>
<td>23</td>
<td>10</td>
<td>6</td>
<td>59</td>
</tr>
<tr>
<td>3.</td>
<td>Faculty of Forestry, Range Management &amp; Wildlife</td>
<td>5</td>
<td>8</td>
<td>1</td>
<td>3</td>
<td>17</td>
</tr>
<tr>
<td>4.</td>
<td>Faculty of Veterinary &amp; Animal Sciences</td>
<td>12</td>
<td>13</td>
<td>4</td>
<td>2</td>
<td>31</td>
</tr>
<tr>
<td>5.</td>
<td>Faculty of Agricultural Engineering &amp; Technology</td>
<td>4</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>7</td>
</tr>
<tr>
<td>6.</td>
<td>University Institute of Information Technology</td>
<td>12</td>
<td>8</td>
<td>-</td>
<td>-</td>
<td>20</td>
</tr>
<tr>
<td>7.</td>
<td>University Institute of Management Sciences</td>
<td>12</td>
<td>7</td>
<td>1</td>
<td>-</td>
<td>20</td>
</tr>
<tr>
<td>8.</td>
<td>Women Division</td>
<td>2</td>
<td>3</td>
<td>1</td>
<td>-</td>
<td>6</td>
</tr>
<tr>
<td>9.</td>
<td>Sub Campus Khushab</td>
<td>6</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>7</td>
</tr>
<tr>
<td>10.</td>
<td>Sub Campus Attock</td>
<td>8</td>
<td>2</td>
<td>1</td>
<td>-</td>
<td>11</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>253</strong></td>
</tr>
</tbody>
</table>

The University has been encouraging and supporting its faculty and researchers to opt for different professional development training programmes both at national and international level. These programmes include short term trainings and other joint
research and development activities with universities and institutions. The faculty and researchers have also been facilitated for presenting their research and publications at national and international fora. The faculty members were encouraged to improve their qualifications and visit universities aboard to update their technical knowledge and transfer technical know how back home from international universities/institutes. During the year, following faculty members/PhD students obtained doctoral/post-doctoral fellowships and short term trainings in abroad:

**POST DOCTORATE**

<table>
<thead>
<tr>
<th>S. #</th>
<th>Name of Faculty Member</th>
<th>Department</th>
<th>Name of Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dr. Qaisara Parveen, Assistant Professor</td>
<td>Education</td>
<td>Australia</td>
</tr>
</tbody>
</table>

**TRAINING COURSE/SHORT TERM TRAININGS**

<table>
<thead>
<tr>
<th>S. #</th>
<th>Name of Faculty Member</th>
<th>Department</th>
<th>Name of Course/Training</th>
<th>Name of Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Prof. Dr. S. M. Saqlan Naqvi, Biochemistry</td>
<td>Short Term Training</td>
<td>Australia</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Dr. Muhammad Javed Asad, Associate Professor</td>
<td>Biochemistry</td>
<td>Short Term Training</td>
<td>UK</td>
</tr>
<tr>
<td>3.</td>
<td>Dr. Imran Hassan, Assistant Professor</td>
<td>Horticulture</td>
<td>Agricultural Environment Controlling Technologies for Arid Areas for Developing Countries</td>
<td>China</td>
</tr>
<tr>
<td>4.</td>
<td>Ms. Asma Khalid, PhD Student</td>
<td>Environmental Sciences</td>
<td>Monitoring Greenhouse Gas Fluxes from Natural Exosystems and Agroecosystem</td>
<td>China</td>
</tr>
<tr>
<td>5.</td>
<td>Mr. Mateen Shafqat, PhD Student</td>
<td>Environmental Sciences</td>
<td>International Research Support Initiative Program</td>
<td>USA</td>
</tr>
<tr>
<td>6.</td>
<td>Mr. Luqman Riaz</td>
<td>Environmental Sciences</td>
<td>International Research Support Initiative Program</td>
<td>USA</td>
</tr>
</tbody>
</table>
ACCESS

BASIC ENROLLMENT

There has been continuous increase in the student intake in various disciplines and the student enrollment increased from 5745 to 10424 in the last five years. The detail of which is given in below table:

<table>
<thead>
<tr>
<th>S No</th>
<th>Name of Degree</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Graduates</td>
<td>2907</td>
<td>3028</td>
<td>3715</td>
<td>4730</td>
<td>6009</td>
</tr>
<tr>
<td>02</td>
<td>Post Graduates</td>
<td>2647</td>
<td>2998</td>
<td>3437</td>
<td>3691</td>
<td>4073</td>
</tr>
<tr>
<td>03</td>
<td>Doctoral</td>
<td>191</td>
<td>214</td>
<td>249</td>
<td>332</td>
<td>342</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td>5745</td>
<td>6240</td>
<td>7401</td>
<td>8753</td>
<td>10424</td>
</tr>
</tbody>
</table>

GENDER-WISE DETAIL

<table>
<thead>
<tr>
<th>SR. NO.</th>
<th>PROGRAM</th>
<th>MALE</th>
<th>FEMALE</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Bachelors</td>
<td>4451</td>
<td>1558</td>
<td>6009</td>
</tr>
<tr>
<td>2.</td>
<td>Masters</td>
<td>942</td>
<td>1524</td>
<td>2466</td>
</tr>
<tr>
<td>3.</td>
<td>M.Phil/MSc (Hons)/MS</td>
<td>867</td>
<td>740</td>
<td>1607</td>
</tr>
<tr>
<td>4.</td>
<td>Ph.D</td>
<td>203</td>
<td>139</td>
<td>342</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td><strong>6463</strong></td>
<td><strong>3961</strong></td>
<td><strong>10424</strong></td>
</tr>
</tbody>
</table>

EMPLOYABILITY

In order to facilitate the graduates in job placement, Directorate of Financial Assistance & University Advancement consistently striving to develop linkages with the industry by providing the online recruiting tools either through its own resources and/or the private partners. Presently, the University has about 8000+ registered members on its Alumni Association who are regularly informed about various opportunities/job openings through electronic email. Students of the Agriculture Department found jobs in different fields of government, semi-government and private sectors.

FACULTY- STUDENT RATIO

The faculty-students ratio is Approximately 1 : 40.
UNIVERSITIES BUILDING ECONOMIES

UNIVERSITY-INDUSTRY LINKAGE

The University is in the process of developing linkage with the industrial / farming community. It has developed linkage with following organizations at National and International level:-

1. Barani Area Research Institute, Chakwal.
2. Fauji Fertilizer Company, Multan.
3. Alfalah Bank, Rawalpindi
7. Syngenta Pakistan Pvt. Ltd.
8. FMC Pvt. Ltd.
10. Nuclear Institute for Biotechnology & Genetic Engineering Faislabad.
12. Fuji Cereals.
14. Vita Bread & Dawn Bread, Rawalpindi,
15. Haleeb, Pepsi Cola (Pvt) Ltd.

NEW INITIATIVES

PMAS-Arid Agriculture University Rawalpindi is striving hard to provide a diversified academic environment for Pothwar youd looking towards joining hands with modern world for exportable surplus. University administration is endeavouring to bring about a tangible change with a view to equip the graduates for self-employment thereby making a positive contribution in national development in addition to providing livelihood for themselves and the poor farming community of the region. The university has embarked upon new initiatives and projects tapping need oriented vision for the Pothwar.
University Research Products Display Centre

University Research Product Display Centre (URPDC) is the visionary project initiated on June 17th 2015 by the Worthy Vice Chancellor, Prof. Dr. Rai Niaz Ahmad. Later on it was given under the administrative control of Office of Research, Innovation & Commercialization (ORIC). The aim of the project is to facilitate and promote the research activities of the University students and researchers in the field of Agriculture, Agri. Engineering, Livestock, Poultry, Food Technology and Business & Marketing. Along with the facilitation of research, URPDC is also handed over with the responsibility to train the students with the entrepreneurial skills, in addition to sale and display the University research produce to the community at fair prices. Presently a wide variety of baked items, processed fruit & vegetable products, poultry meat & eggs, fish meat, veal meat, milk and other University products are exclusively available for sale at URPDC.

Establishment of Nursery Training Project

A plant nursery comprising of various indigenous and exotics species was established at the main campus of the University. The main objective of establishing this facility is to strengthen the practical facilities of the undergraduate and postgraduate students. Beside thus plants of various species will be sold at cheaper rates to the public in order to enhance their esthetic sense as well as to curb the menace of pollution.

Establishment of Clean Drinking Water Facility

With increase in population in the country, the demand for clean drinking water has increased significantly. However due to burgeoning environmental population people are being confronted with many water borne diseases and the problem is increasing day by
day. The present Government is determined to provide such basic common facilities to common people for better tomorrow and bright, healthy future. Keeping above in view, the university established the Clean Drinking Water Facility for the students and staff of the University.

**Establishment of Community Center**

The purpose for establishment of community center is to showcase the farm fresh university products for the consumption of university employees, students and public. This will also act as source of revenue for the university as well as learning for the students.

**Establishment of Ostrich Research Farm**

Ostrich, a rare bird having extraordinary potential for conversion of food into meat, is being raised at the university as a model for the Pothwar farmers to adopt. Its meat is being sold at a very high price in International market and therefore, provides ample opportunity for the farmers of the region to improve their livelihood through raising Ostrich at their farms.

**Rain Water Harvesting Model for Small Farmers**

Taking advantage of the short spell of monsoon rains, the University has converted its research area into a model farm with provision for collecting summer rains into small reservoirs through which the water saved amounts to 45 acre-foot which is sufficient for irrigation of its entire farm spreading over 250 acres using high efficiency irrigation system operated through solar energy. Similarly, for urban areas a rainwater harvesting model of rooftops of university campus has also been developed and the water stored is enough to irrigate experimental plots on acreage at the campus. This
effort presents an excellent model for kitchen gardening through rainwater harvesting in urban areas besides minimizing street flooding and resulting discomforts in civic life during rainy season.

Aquarium-cum-Aviary
The Arid varsity presents a novel combination of Aquarium-cum-Aviary as a model for integrated farming where the waste of birds on top will be used as feed for fish in pond at the bottom. The model is an effort towards resource optimization at farm level for dissemination to the farming community of the area.

Seed Certification
Knowing the gap for the availability of quality inputs to the farming community, the university established a seed certification centre at the campus by using existing resources of highly qualified manpower and equipment available in the university labs. The centre will also serve as R&D facility to help existing seed certification bodies in the country in addition to provide certified quality seed to farming community of Pothwar and adjoining areas.

Low Cost Indigenous Hydroponics System
PMAS-Arid Agriculture University is successfully operating a state-of-the-art hydroponic vegetable production acility on commercial basis where certified, spray and disease free vegetables, salads and herbs are being grown and marketed inland and off shore. To lessen the input costs and make adaptable by the small farmers, the university faculty is engaged in development of simplified and low cost
hydroponics technology. Objectives of this effort also include provision of inputs such as nursery, nutrients and growing substrates by the University at minimum cost for popularization of the technology at masses level.

**PATENTS**

The faculty of the University is doing exclusive research and succeeded in applying the patents for the outcomes of their research activities which are beneficial for the local farming community in order to increase the Agriculture and Livestock production in the Barani areas of the region.

<table>
<thead>
<tr>
<th>S #</th>
<th>Product Name</th>
<th>Ingredients</th>
<th>Effects/Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>A polyherbal composition for cooling, refrigerant, antioxidant and appetizer</td>
<td>Cichorium intybus, Foeniculum vulgare, Corchorus depressus, Citrullus lanatus, Cucumis melo and C. sativus</td>
<td>Cooling, diuretic and refrigerant tonic that can be used for treating jaundice, lack of appetite and burning sensation of palm and soles</td>
</tr>
<tr>
<td>2.</td>
<td>Six Transgenic Wheat varieties with Bacterial disease resistant genes</td>
<td>Six What varieties viz. Chakwal-97, Inqulab-91, GA-2002, Aquab-2002, Tartara-2000 and Punjnanad-2000 with Xa21 gene (a gene produce inhibitor like protein that act as broad spectrum Anti-bacterial protein)</td>
<td>Although bacterial diseases are less destructive for wheat in Pakistan as compare to fungal diseases. But this product and procedure will help in production of Fungal disease resistant wheat in future (project under progress). Similarly, these transgenic wheat varieties can enhance yield up to 20% where bacterial diseases cause a significant loss in wheat yield.</td>
</tr>
</tbody>
</table>

**INTERNERSHIP AND PLACEMENT OFFICE**

The Directorate of Financial Assistance & University Advancement deals with broadly three types of Scholarships provided by different Donor Agencies.

**Category – I:**

The Directorate of Financial Assistance & University Advancement deals with the following Scholarship. The Directorate process these scholarships in accordance with the Institutional Scholarship Award Committee and forward the nominations to the respective donor:
1. **USAID funded Merit & Needs Based Scholarship Program** through Higher Education Commission, and the present status of that program is that:-

- 68 students of Year 2014, semester fall has been approved in Scholarship Management Committee Meeting held at Higher Education Commission on 3-12-2015.
- Interview of shortlisted students has been carried out on 23-24 December 2015 in the SMC Meeting.

2. **Punjab Educational Endowment Fund Scholarship Program** is of two types:-

- **Master’s Level Scholarship:**-
  For the Year 2015, 151 slots have been allocated by PEEF for Master’s Level Students of this year. PEEF Scholarship Applications have been collected for further process.

- **Special Quota Scholarship:**-
  In the Year 2015, PEEF has requested the university to collect the applications of undergraduate students to submit before 12th November 2015 with following criteria:
  
  i. Domicile of Punjab Only
  ii. Secured at least 60% marks in SSC / Intermediate etc. examination held in 2015 (annual) in Punjab
  iii. Only those candidates are eligible who have passed their examination from Colleges / Schools of Punjab Province
  iv. Secured Admission as a full time student in the current academic year (2015) in Intermediate / Graduation Level Degree
  v. Monthly income of parents / guardian (from all sourced) is Rs. 15,000/- or less
  vi. Children of Govt. employees in BPS (1 – 4) are exempted from condition of income, if salary is only source of income.
  vii. Not availing any other scholarship.
3. **HEC Needs Based Scholarship Program**

This program is funded by Higher Education Commission and for the Fiscal Year 2015-16 Rs. 28.217 Million have been provided by the HEC to the University for 242 Needs Based Scholarship. The subject scholarship will be announced in this month for further process. In the year 2015 the available / vacant slots have been advertised and 1456 students applied for this scholarship opportunity. After due process, 369 students were shortlisted for final interview at PMAS-AAUR for competing 70 slots. The cases were sent to HEC for final selection which was matured and disbursement was made to the students.

4. **Pakistan Bait ul Maal Assistance**

This program is funded by the Pakistan Bait-ul-Mal. The university has awarded 50 slots for each semester (i.e. Fall & Spring Semester). This scholarship covers the Admission Fee, Tuition Fee, Registration Fee and Library Security & also covers the Hostel Charges of the boarding students.

5. **Pakistan Scottish Scholarship Program**

The British Council is the donor for this scholarship program extended only for female students pursuing their Master’s Degree in Agriculture, Food Security, Education, Energy and Health Sciences. 

For the fiscal Year 2014-15; British Council transferred Rs.0.832 Million to the University for awarding Scholarships to the deserving female applicants. In this program female students directly apply to the British Council of its appropriate portal. The British Council scrutinize and notified the eligible students and referred to the University for final selection. A joint committee recommends the most deserving students for this program. 6 female students have been selected in the semester Fall-2014 and funds have been disbursed to these awardees. Now, for the semester Fall Semester - 2015 applications have been collected by the British Council and sent to the University for Further Process.
6. **NTS Need Based Scholarship Program** is a scholarship program funded by National Testing Service-Pakistan. In the Fiscal Year 2014-15 Rs. 0.5674 Million have been provided by the NTS for 6 scholarship slots.

7. **Dr. Sadiq Foundation Scholarships** is funded by the Sadiq Group (Pvt.) Ltd. with the objective to establish and manage educational institutions viz. technical and vocational for basic education, adult literacy and advanced studies including special education.

8. **Prime Minister Tuition Fee Reimbursement Program:**

The Directorate of Financial Assistance & University Advancement also deals with this program initiated for the underprivileged students belonging to the underdeveloped areas of Pakistan. Applications for this scheme were collected and forwarded to the Higher Education Commission for award of this scholarship.

**Category – II:**

1. **HEC Indigenous Scholarship Program for PhD Scholars:**

The Directorate of Financial Assistance & University Advancement has also engaged in corresponding the scholars and administration enabling the supervisor and scholar regarding the payment of academic research demands and honorarium.

**Category – III:**

In that Directorate verifies the scholarship application forms of the students like Diya Foundation Scholarship, Fauji Foundation Scholarship, Workers Welfare Board Scholarship and Benevolent Fund Scholarship.

1. **Prime Minister’s Youth Internship Program:**

This is also an initiative of Government of Pakistan. Directorate of Financial Assistance & University Advancement collected the demand of all departments and forwarded to relevant Ministry for placement of unemployed educated youth in this Prestigious University. In this regard, demand off 77 internees was requested in June, 2015 which was reaffirmed in 21.9.2015.
2. Endowment Fund Initiative:

This initiative has been taken by the worthy Vice Chancellor Prof. Dr. Rai Niaz Ahmed to incubate the business activities on the basis of innovative ideas of students. Under the guidelines, the Student Resource Centre (SRC) has opened an account under the title “Student Endowment Fund” in the Bank of Punjab UAAR Campus, Murree Road, Rawalpindi on June, 2013.

In collaboration with Promotion of Education in Pakistan (PEP) Foundation, the University is establishing an account with title “Student Advancement Fund Endowment (SAFE)”. The PEP has already provided its share of Rs. 10,21,054.0 on 5.9.2014.

3. Prime Minister’s National Laptop Scheme (Phase – I):

This Directorate has carried out Chief Minister’s Laptop Scheme successfully. Now, the Prime Minister’s National Laptop Scheme (Phase – I) is approaching towards completion. A total of 1576 laptops were provided by Higher Education Commission of Pakistan. Nearly 83% laptops have been distributed among the students whom were made eligible by HEC and vetted by the concerned Departments/Faculties.

4. Prime Minister’s National Laptop Scheme (Phase - II):

The second phase of Prime Minister’s Laptop Scheme has been started by the Higher Education Commission. Higher Education Commission has provided the informational material of this scheme to the University for communicating/guiding to the students. The Directorate of FA& UA has widely circulated the information among University students and guided the students to apply for the subject scheme. Later on, further processing of the data for laptop distribution will be carried out by this Directorate on receipt of data from Higher Education Commission.
STUDENT COUNSELING AND CAREER GUIDANCE

Primarily, the counseling of students is done under the patronage of Directorate of Student’s Affairs where a compact counseling system is answering day to day queries of students. Whereas; Directorate of Financial Assistance & University Advancement guides the students for their financial support arrangements. The choice of career is discussed keeping in view the opportunities available in the market or demand of the national and multinational organizations like Pakistan Tobacco Company, Monsanto Pakistan, Khushali Bank, etc. This year the Directorate has managed to provide opportunity for career development through different activities mentioned here under:


- **18 – 20 September 2015**: The PEEF has arranged “Entrepreneurial Development Workshop” of PEEF scholars at Youth Development Centre, Murree.

- **28 – 29 October 2015**: Talent grooming workshop –for the USAID funded merit and needs based scholarship awardees

- **09 – 10 December 2015**: An Educational/Media Event under USAID funded Merit & Needs Based Scholarship is organized in Higher Education Commission
DEVELOPMENT PROJECTS (LABORATORIES, LIBRARIES, ETC.)

Developmental projects play a very important role in uplifting and growth of an institution. The University is continuously taking initiatives for improvement of the current status through different development projects. Twenty development projects have already been completed. Currently the University is implementing four such projects (Rs. 1320.177 million) while six new proposals were also submitted to HEC and Punjab Government in the next year. The University carried out various plans, formulated strategies & putting in strenuous efforts to enhance the financial resources from avenues outside PMAS-AAUR. Funds were also fetched from the Higher Education Commission of Pakistan and Government of the Punjab under different schemes for establishing/strengthening new departments at PMAS-AAUR. These efforts will create more research facilities for the students and the faculty members.

The funds amounting to Rs. 751.244 million have been fetched from Higher Education Commission for the project titled “Strengthening of Agricultural Engineering & Women Development Programs at PMAS-AAUR”. In this regard a PC-I amounting to Rs. 751.244 million was submitted to HEC and approved by the CDWP on 27.02.2015. Another project titled “Testing Indigenous Hydroponic Greenhouses for Vegetable Growing at Various Locations in Punjab” amounting to Rs. 101.225 million has also been approved by the Agriculture Department, Government of the Punjab, Lahore.
### Development Projects

#### i) COMPLETED

<table>
<thead>
<tr>
<th>Name of the Project</th>
<th>Total Cost Rs. In Million</th>
</tr>
</thead>
<tbody>
<tr>
<td>Development of Academic Facilities at UAAR</td>
<td>49.740</td>
</tr>
<tr>
<td>Establishment of Centre for Information Technology.</td>
<td>27.961</td>
</tr>
<tr>
<td>Strengthening of Higher Education Facilities at UAAR</td>
<td>39.645</td>
</tr>
<tr>
<td>Establishment of Centralized Instrumentation Centre</td>
<td>37.108</td>
</tr>
<tr>
<td>Establishment of Department of Range Management &amp; Forestry</td>
<td>35.972</td>
</tr>
<tr>
<td>Establishment of Fiber Optic Backbone &amp; Campus Wide Local Area Network</td>
<td>25.300</td>
</tr>
<tr>
<td>Production of Pathogen Free Horticultural Plants</td>
<td>35.884</td>
</tr>
<tr>
<td>Construction of Hostel for Visiting Faculty</td>
<td>24.438</td>
</tr>
<tr>
<td>Construction of Hostel for Students</td>
<td>36.436</td>
</tr>
<tr>
<td>Strengthening of Department of Soil Science &amp; SWC</td>
<td>33.580</td>
</tr>
<tr>
<td>Strengthening of Centre for Information Technology</td>
<td>34.346</td>
</tr>
<tr>
<td>Strengthening of Department of PBG</td>
<td>31.783</td>
</tr>
<tr>
<td>Strengthening of Sports Facilities at UAAR</td>
<td>38.885</td>
</tr>
<tr>
<td>Strengthening of Department of Entomology</td>
<td>34.783</td>
</tr>
<tr>
<td>Establishment of R&amp;D Facility in Hydrophonic</td>
<td>52.546</td>
</tr>
<tr>
<td>Strengthening of Department of Wildlife Management</td>
<td>36.141</td>
</tr>
<tr>
<td>Strengthening/ Up gradation of Library Facilities at PMAS-AAUR</td>
<td>41.021</td>
</tr>
<tr>
<td>Establishment of University Institute of Biochemistry &amp; Biotechnology</td>
<td>358.619</td>
</tr>
<tr>
<td>Establishment of Faculty of Veterinary &amp; Animal Sciences</td>
<td>468.620</td>
</tr>
<tr>
<td>Development On Farm Students Research Facilities</td>
<td>343.224</td>
</tr>
<tr>
<td><strong>Total (Rs. in Million)</strong></td>
<td><strong>1786.032</strong></td>
</tr>
</tbody>
</table>

#### ii) ONGOING

<table>
<thead>
<tr>
<th>Development Projects (On-Going)</th>
<th>Cost (million Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Establishment of Pak-Korea Capacity Building Center for Agriculture &amp; Livestock Technology at PMAS-AAUR</td>
<td>395.500</td>
</tr>
<tr>
<td>Establishment of Sub Campus of PMAS-Arid Agriculture University Rawalpindi at Attock</td>
<td>72.208</td>
</tr>
<tr>
<td>Strengthening of Agricultural Engineering &amp; Women Development Programs at PMAS-AAUR</td>
<td>751.244</td>
</tr>
<tr>
<td>Testing Indigenous Hydroponic Greenhouses for Vegetable Growing at Various Locations in Punjab</td>
<td>101.225</td>
</tr>
<tr>
<td><strong>Total (Rs. in Million)</strong></td>
<td><strong>1320.177</strong></td>
</tr>
</tbody>
</table>
Research being an integral part of projects is built in the PC-I while planning project proposals. The state of art equipment is up and running at project facilities. These include many high voltage equipment at University Research Laboratories.

The University has a unique facility having Central Research Laboratory in which postgraduate students and faculty are busy for the accomplishment of their research activities. This facility has several sophisticated research equipments being exclusively used for this purpose. The research projects being executed through this facility/laboratory have generated a lot of research findings in the area of Agriculture, Sciences and Forestry. The Laboratory has also produced a number of skilled and trained manpower in the shape of graduate students who by taking up various positions in Government and non-governmental organizations, could significantly contribute towards the over objective of national economy.

The major equipments available in the Central Research Laboratory are as under:

<table>
<thead>
<tr>
<th>Name of Equipment</th>
<th>Quantity</th>
<th>Make/Model</th>
<th>Main Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas Chromatograph</td>
<td>1</td>
<td>GC-NU74 Agilent Technology Singapore</td>
<td>Includes Special Configuration LAN Rs-232 interfaces and 7683 interface, detector EPC Board 6em ramps, 6 heated zones plus oven, 2 analog out</td>
</tr>
<tr>
<td>HPLC</td>
<td>1</td>
<td>SCL-10A, LC-10NT CTO-10AS, SPD-10A, SIL-10AD Shimadzu Japan</td>
<td>Binary pump with automatic variable piston stroke Delay volume 180-482ul &lt;0.3% RSD setpoints from 0.001 to 5.0 ml/min in 0.001 ml/min 0-40MPa (0-400bar, 0-5880Psi)</td>
</tr>
<tr>
<td>DNA Sequencer</td>
<td>1</td>
<td>CEQ-800, Beckman Coulter Switzerland</td>
<td>CEQ Genetic Analysis System 100-240V, 5A, 50/60HZ A fully automated high throughout sequencing and fragment analysis system</td>
</tr>
<tr>
<td>Total Organic Carbon Analyzer</td>
<td>1</td>
<td>ASI-V, VCPH, TNM-1 SSM-5000A Shimadzu Japan</td>
<td>High temperature catalytic combustion from 680°C to 950°C Method is EPQA4151 Standard methods 5310B, dIN 38409113</td>
</tr>
<tr>
<td>Freeze Drier</td>
<td>1</td>
<td>CRYODOS-50 Telstar Spain</td>
<td>Air cooled Refrigerator 0.37KW (1/2 HP), CFC and H-CFC free refrigerant without vacuum pump ice condenser temperature approx. -55°C</td>
</tr>
<tr>
<td>Equipment</td>
<td>Quantity</td>
<td>Model/Details</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>----------</td>
<td>----------------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Ultra Centrifuge</td>
<td>1</td>
<td>Optima-100P, US Beckman Coulter Switzerland</td>
<td>CE Mark Speeds to 100,000 Rpm g. Forces to 802,400g vacuum-encased, frequency controlled direct drive (induction)</td>
</tr>
<tr>
<td>Flame Photometer</td>
<td>1</td>
<td>Jenway-PFP-7</td>
<td>-</td>
</tr>
<tr>
<td>Deionizer</td>
<td>1</td>
<td>SG Hamburg</td>
<td>Microprocessor controlled purity monitor. Providing digital resistively readings temperature to 25°C</td>
</tr>
<tr>
<td>Precision Analytical Balance</td>
<td>2</td>
<td>(i) Jex 120 Japan (ii) BL-210S Sortorius Germany</td>
<td>(i) Capacity 120g readability 0.1 mg power (ii) Capacity 210g readability 0.1mg power 220VAC 50/60HZ</td>
</tr>
<tr>
<td>Aluminum Block Heater</td>
<td>1</td>
<td>UDK42/26 Italy</td>
<td>Digital Microprocessor Controlled Temperature Settings upto 450°C built in timer with capacity 42 digestion tubes. Tubes capacity 100 ml operated voltage 220VAC</td>
</tr>
<tr>
<td>Oven</td>
<td>2</td>
<td>(i) UE-600 Memmert Germany (ii) 100-800 Memmert Germany</td>
<td>Digital Microprocessor temperature range up to 300°C capacity -256 Ltr</td>
</tr>
<tr>
<td>Porometer</td>
<td>1</td>
<td>AP-4 IRMECO England</td>
<td>Portable, microprocessor controlled. For measurement of stomatal gas flow Measurement Range 0-40S-Cm-1(resistance) 0.2-30mmS-1 (Conductance)</td>
</tr>
<tr>
<td>IRGA/Plant Photosynthesis Analyzer</td>
<td>1</td>
<td>LCA-4 IRMECO England</td>
<td>Different measurements, non-dispersive infra-red gas analyzer Range 0.3000ppm frequency 80HZ Source Life 10,000 Hours</td>
</tr>
<tr>
<td>Confocal Microscope</td>
<td>1</td>
<td>TSI Sr. No. 291300105 Canada</td>
<td>Two laser (i) Red (635) (ii) Green (532), Two Micron-Optical, Resolution using one micron</td>
</tr>
</tbody>
</table>
DIGITAL LIBRARY

HEC National Digital Library (DL) is a programme to provide researchers within public and private universities in Pakistan and non-profit research and development organizations with access to international scholarly literature based on electronic (online) delivery, providing access to high quality, peer-reviewed journals, databases, articles and e-Books across a wide range of disciplines. The e-books support programme allows researchers to access most of the important text and reference books electronically in a variety of subject areas. Around 75,000 number of electronic contents have been made available through the Digital Library Programme. The Faculty Members/Researchers/Scholars of the University are taking full advantage of the above mentioned facility in the form of e-library and access to the internet.

The new resources added in the last year and changes will appear on the website page soon. The new sources are as follows:

- Informs
- Duke University press
- IET library
- American Society of Agriculture and Biological Society
- Canadian Science publishing
- International Forestry Review
- University of Chicago Press
- Royal College of Physician
- World Bank Library

Their access of URLs is as follows and one may test on access and disperse the information for these resources to most of the scholars.

https://elibrary.asabe.org/
http://www.ingentaconnect.com/content/nrc
www.dukejournals.org
http://digital-library.theiet.org/
http://journals.informs.org/
http://www.cfa-international.org/international_forestry_review.php
www.journals.uchicago.edu
http://elibrary.worldbank.org/
PERN2

Pakistan Education & Research Network PERN2 established a high speed dedicated link for the universities/institutes and other academic sectors of Pakistan. PERN2 provides students, faculty members and researchers a fully integrated and dedicated communication infrastructure using advanced Information & Communication Technologies.

**ARID Rwp-ARID Rwp Internet Traffic (Ge 1/0/0.20)**

Min/Max/Average bps of Recv 156.0 Mbps Xmit 156.0 Mbps
LAST 12 MONTHS

- Min/Max Receive bps
- Min/Max Transmit bps
- Average Receive bps
- Average Transmit bps

95th Percentile: Average Receive bps is 139.916 Mbps, Average Transmit bps is 35.6879 Mbps
SolarWinds Orion Network Performance Monitor 9.5.5PR

**Availability Statistics**

<table>
<thead>
<tr>
<th>PERIOD</th>
<th>AVAILABILITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Today</td>
<td>100.000 %</td>
</tr>
<tr>
<td>Yesterday</td>
<td>100.000 %</td>
</tr>
<tr>
<td>Last 7 Days</td>
<td>100.000 %</td>
</tr>
<tr>
<td>Last 30 Days</td>
<td>99.271 %</td>
</tr>
<tr>
<td>This Month</td>
<td>99.439 %</td>
</tr>
<tr>
<td>Last Month</td>
<td>92.257 %</td>
</tr>
<tr>
<td>This Year</td>
<td>91.429 %</td>
</tr>
</tbody>
</table>
CAMPUS MANAGEMENT SYSTEM

INTRODUCTION

• Campus Management Solution is the most effective tool that has automated the management functionality of this university by streamlining some of the processes involved.

• It has reduced the manual handling of processes and thus helps in effective and accurate outcomes.

• CMS also helps in maintaining transparency in admissions and accounts processes and reduces administrative overhead by providing powerful services.

• It helps in effective decision making of authorities by generating reports from different aspects.

CAMPUS MANAGEMENT MODULES

- Admissions Module
- Academic Module
- Examinations Module
- Personnel Module

The Admissions Module automates the admission process of the university and streamlines the process involved for efficient and effective management. This module starts with the admission offered by the University for the new Session. Then prospectus sale starts. This module keeps track of all the information Department wise / Degree wise.

The system first keeps record of the entire candidates that applied for various degree programs offered by the university and automate the process of merit lists generation and
fee submission process. It also provides the facility to transfer the degree programme of student if required and transfer the fee structure accordingly.

In the Academic Module the complete academic record of each student has been maintained in this system. It includes Enrolments, Course Offering, Scheme of Study, Students Attendance, Teacher Course Evaluation etc.
In the **Examination Module** the complete examinations record of each student has been managed. This helps in preparation of DMCs / Degrees as well.

**Library Module**
VIDEO CONFERENCING

PMAS-AAUR established a video conferencing room at University Institute of Information Technology. The video conferencing room is equipped with latest video conferencing equipment and sound system. It is being used for holding multi-party conferences without traveling, delivering and attending courses and interacting with other academics and partners across the globe.

1. **Hardware Specification**
   a. Tandberg Video Conferencing System (built in camera)
   b. TOA Wireless mics Receivers
   c. Hundai LCDs (52” and 32”)
   d. TOA Sound System (Equalizer, Sound Mixer, Remote Handle etc.)
   e. Sony TV 21” for Control Room

2. **Capacity**
   About sixty-five (65) people setting capacity

3. **Connectivity**
   The video conferencing session are established through HEC and can be connected to all over the world for conferencing

4. **Location**
   The Video conferencing facility is provided in the Video Conferencing Room, 1st Floor at University Institute of Information Technology, PMAS-AAUR.
WEB PORTAL (www.uaar.edu.pk)

Website is according to standards. Open source tools are used. Website is fully functional with dedicated server. News, videos and Photo gallery info is provided by PRP department. A focal person is nominated from each department to coordinate with Web Manager for updating information. Notifications provided by registrar office. Tenders information provided by treasurer office.

Following information is on the university website:

- About University
  - About PMAS-AAUR
  - Mission & Vision
  - Syndicate
  - Academic Council
  - Selection Board
  - Advanced Studies & Research
  - Finance and Planning
- Faculties Information
  - Departments Information
    - Research Projects Info
    - Faculty members complete profile
    - Scheme of Studies
    - News & Events of concern department
- Directorates information
- Administrations
- Hostels Info with rules
- Student related information
  - Manuals/Samples
  - Student societies
  - Co-Curricular
  - Extra-Curricular
  - Student Services information.
- Library related information
- Office of Research, Innovation & Commercialization
- Quality Enhancement Cell
- University News/Events
- Admissions guidelines, rules and merit lists are published on website.
- Photo gallery
- Jobs
- Tenders
- Feedback
- Day to day Notifications related to students
- Alumni Portal
- Job Portal
- Online Admissions
UNIVERSITIES BUILDING COMMUNITIES

UNIVERSITY-COMMUNITY INTERACTION

PMAS-AAUR is one of the leading higher education institutions in Pakistan. It plays a major role in grooming future leaders who can make a positive difference to the world around them. University has been involved with numerous community support programs. It has been working with different NGOs, government, semi-government/ non-profit organizations.

UNIVERSITY’S ROLE IN BUILDING COMMUNITY

The University has a significant social impact on the region. This impact extends beyond the staff and students to the broader community in general. University offers a wide range of cultural and recreational programs, contribute to the provision of health and community services, provide services to local government and provide assistance to community groups.

In addition to providing research, cultural and social fields, university provides valuable infrastructure for the community including venues for public events, libraries, sporting facilities and research laboratories.

The scholarly activities of a university serve to enhance the reputation of the local region both nationally and internationally. This may result in an increased attractiveness of the region to industries and investment. The University also offers regional communities a better chance to retain their talented youth population.

The students, faculty and administration of PMAS-Arid Agriculture University Rawalpindi have always worked tirelessly to serve their countrymen and at the time of floods when a catastrophe has hit our motherland, the university once again standing united to help the people of these areas in dealing with the after affects of this devastating flood. The University also dispatched the relief goods to the flood affected areas.
ALUMNI AFFAIRS: OUTSTANDING ACHIEVEMENTS ETC.

The Directorate of Financial Assistance & University Advancement is entrusted the responsibility to provide an interactive platform to closely link Alumni with their Alma Mater and fellow graduates. In order to achieve this goal, Directorate of Financial Assistance & University Advancement has started compilation of Alumni database since 2006. Currently, database consists of over 10,000 registered graduates of different faculties and institutes of the University. Directorate of Financial Assistance & University Advancement is making consistent efforts to encourage graduates to join this forum for development of friendly and business relationships amongst Alumni having similar background and diversified professions.

EVENT DETAIL OF THE YEAR 2015

<table>
<thead>
<tr>
<th>No.</th>
<th>Date</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>February 22, 2015</td>
<td>• Under Prime Minister’s laptop Scheme, on the confirmation of HEC, more than 100 students were issued laptops.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• A laptop distribution ceremony was held on February 22, 2015 in the University Auditorium.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Worthy Vice Chancellor Prof. Dr. Rai Niaz Ahmed was the Chief Guest on this occasion.</td>
</tr>
<tr>
<td>2</td>
<td>March 2015</td>
<td>• A workshop on “IT Equipment Management Skills” was held in University Seminar room and was attended by Ms. Shahida Yousaf (Assistant Registrar SRC).</td>
</tr>
<tr>
<td>3</td>
<td>May 5-6, 2015</td>
<td>• Under Prime Minister’s laptop Scheme, on the confirmation of HEC, more than 200 students were issued laptops.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• A laptop distribution ceremony was held on May 5-6, 2015 in the University Auditorium.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Prime Minister’s Nominee Ms. Maiza Hameed (MNA) and worthy Vice Chancellor Prof. Dr. Rai Niaz Ahmed was the Chief Guest on this occasion.</td>
</tr>
<tr>
<td>Date</td>
<td>Events</td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td></td>
</tr>
</tbody>
</table>
| 5 June, 2015 | - Prime Minister’s Youth Internship Program is also an initiative of this Government.  
- Directorate of Financial Assistance & University Advancement collected the demand of all departments and forwarded to the relevant Ministry for placement of unemployed educated youth in this Prestigious University. |
| 6 July 4, 2015 | - Under Prime Minister’s laptop Scheme, on the confirmation of HEC, more than 200 students were issued laptops.  
- Another graceful Laptop & PEEF Scholarship Cards  
- Distribution Ceremony was held on July 4, 2015 in University Auditorium.  
- Honorable Senator Raja Zafar Ul Haq (Leader of the House) and Vice Chancellor Prof. Dr. Rai Niaz Ahmed distributed Laptops & PEEF Scholarships Cards among the students in this ceremony. |
| 7 August 12-13, 2015 | - A training workshop on “Effective Financial Aid Offices was held on 12-13 August, 2015 in Higher Education Commission.  
- Ms. Shahida Yousaf (Assistant Registrar SRC) attended that workshop. |
| 8 19 August, 2015 | - A consultative meeting was held in PEEF Secretariat, Lahore on 19th August, 2015. Mr. Muhammad Sohail (Director, FA&UA) attended that meeting. |
| 9 September 18-20, 2015 | - The PEEF has arranged “Entrepreneurial Development Workshop” of PEEF scholars at Youth Development Centre, Murree.  
- The Directorate has received nominations of twenty students of MBA & UIIT from PEEF whom by taking approval of the Competent Authority were allowed to participate. |
<table>
<thead>
<tr>
<th>No.</th>
<th>Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>12 October, 2015</td>
<td>A workshop on “Advance Training &amp; Presentation of process of students Registration in PM National Laptop Scheme” was held in HEC, Islamabad.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mr. Waqas Ahmed Chaudhary (Additional Director, FA&amp;UA) attended that event.</td>
</tr>
<tr>
<td>11</td>
<td>28-29 October, 2015</td>
<td>Talent grooming workshop – October 28-29, 2015 for the USAID funded merit and needs based scholarship awardees</td>
</tr>
<tr>
<td>12</td>
<td>25 November, 2015</td>
<td>A cheque distribution ceremony of Prime Minister’s Fee Reimbursement Scheme was held on 25th November, 2015 in the University Committee Room.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Worthy Vice Chancellor Prof. Dr. Rai Niaz Ahmed was the Chief Guest on this occasion.</td>
</tr>
<tr>
<td>13</td>
<td>3 December, 2015</td>
<td>Scholarship Management committee meeting for USAID Funded Merit &amp; Needs Based Scholarship was held on 3rd December, 2015 in Higher Education Commission and was attended by Mr. Muhammad Sohail (Director Financial Assistance &amp; University Advancement).</td>
</tr>
<tr>
<td>14</td>
<td>December, 2015</td>
<td>A training workshop on “Project Management” is scheduled to be held in Higher Education Commission. Mr. Mohammad Sohail (Director Financial Assistance &amp; University Advancement) has been nominated by the Worthy Vice Chancellor to attend that.</td>
</tr>
<tr>
<td>15</td>
<td>9-10 December, 2015</td>
<td>An Educational/Media Event under USAID funded Merit &amp; Needs Based Scholarship is organized in Higher Education Commission on 09-12-2015 and 10-12-15.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ms. Shahida Yousaf (Assistant Registrar) along with 10 students attended that event.</td>
</tr>
<tr>
<td>16</td>
<td>19 February, 2016</td>
<td>A Seminar on Prime Minister’s Youth Business Loan Scheme organized by National Bank of Pakistan (NBP) at NBP Staff College on 19.02.2016.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Director FA&amp;UA has attended the seminar.</td>
</tr>
</tbody>
</table>
The Directorate of Sports is working hard for the promotion of sports and healthy activities at PMAS-Arid Agriculture University. The beautiful and prestigious **Khalid M. Khan Gymnasium** was completed in the university premises in 2010. The following Intervarsity Sports Championship were organized by Directorate of Sports:

**INTERVARSITY VOLLEYBALL BOYS CHAMPIONSHIP 2014-15 ZONE “C”**
Sixteen Universities from Rawalpindi/Islamabad and AJ&K participated in the championship. AJ&K University, Muzaffarabad team was the Winner while Bahria University, Islamabad was runner up.

PMAS-AAUR Students team also participated in the following Intervarsity Sports Championship during the year.

- **INTER UNIVERSITY BASKET BALL CHAMPIONSHIP 2014-15 (ZONE “C”)** held at Bahria University, Islamabad.

- **INTER UNIVERSITY FOOT BALL CHAMPIONSHIP 2014-15 (ZONE “C”)** held at COMSATS, Islamabad.

- **ALL PAKISTAN INTER UNIVERSITY ATHLETICS CHAMPIONSHIP 2014-15 (ZONE “C”)** held at COMSATS, Islamabad.

- **ALL PAKISTAN INTER UNIVERSITY TUG OF WAR CHAMPIONSHIP 2014-15 (ZONE “C”)** held at Veterinary University, Lahore.

- **INTER UNIVERSITY TABLE TENNIS CHAMPIONSHIP 2014-15 (ZONE “C”)** held at International Islamic University Islamabad.

- **INTER UNIVERSITY BADMINTON CHAMPIONSHIP 2014-15 (ZONE “C”)** held at AJ&K University, Muzaffarabad.

- **INTER UNIVERSITY CRICKET CHAMPIONSHIP 2014-15 (ZONE “C”)** held at Quaid-i-Azam University, Islamabad.
• ALL PAKISTAN INTER UNIVERSITY BOXING CHAMPIONSHIP 2014-15 held at University of Sindh, Jamshoro, Sindh.

The following Inter Faculty Sports Competitions were organized by Directorate of Sports during the year.

• INTER FACULTY BADMINTON (BOYS) CHAMPIONSHIP 2014-15
• INTER FACULTY VOLLEYBALL (BOYS) CHAMPIONSHIP 2014-15
• INTER FACULTY BASKETBALL (BOYS) CHAMPIONSHIP 2014-15
• INTER FACULTY TUG OF WAR CHAMPIONSHIP 2014-15
• INTER FACULTY 100 METER RACE 2014-15
• INTER FACULTY HANDKERCHIEF GAME CHAMPIONSHIP 2014-15
• INTER FACULTY BADMINTON (GIRLS) CHAMPIONSHIP 2014-15
• INTER FACULTY GIRLS TUG OF WAR CHAMPIONSHIP 2014-15
• INTER FACULTY GIRLS THREE LEG RACE 2014-15
• INTER FACULTY GIRLS CHATTI RACE 2014-15
• INTER FACULTY GIRLS HANDKERCHIEF GAME CHAMPIONSHIP 2014-15
STUDENT LEADERSHIP (CO-CURRICULAR ACTIVITIES : UNIVERSITY DRAMAS, EXHIBITIONS, EXPOS, COMPLETIONS, DEBATES AT NATIONAL AND INTERNATIONAL LEVELS)

Following extra-curricular activities were organized by the Directorate of Students Affairs during the year 2015.

<table>
<thead>
<tr>
<th>DATE</th>
<th>EVENT</th>
<th>PLACE</th>
</tr>
</thead>
<tbody>
<tr>
<td>22.01.2015</td>
<td>Inter University Qiraat &amp; Naat competition</td>
<td>University Auditorium</td>
</tr>
<tr>
<td>02.02.2015</td>
<td>Essay writing Competition (With Indus Consortium)</td>
<td>University Auditorium</td>
</tr>
<tr>
<td>Feb. 2015</td>
<td>Up For School Petition (Idara Taleem-e-Aagahi)</td>
<td>University Campus</td>
</tr>
<tr>
<td>24.02.2015</td>
<td>Speech Competition by ITP</td>
<td>National Library, Islamabad</td>
</tr>
<tr>
<td>26.02.2015 to</td>
<td>Theater Group Training (Indus Consortium)</td>
<td>Lahore</td>
</tr>
<tr>
<td>28.02.2015</td>
<td></td>
<td></td>
</tr>
<tr>
<td>02.03.2015 to</td>
<td>Music Workshop</td>
<td>PNCA</td>
</tr>
<tr>
<td>04.03.2015</td>
<td></td>
<td></td>
</tr>
<tr>
<td>04.03.2015</td>
<td>Seminar on “Drug Abuse Prevention Among Youth” in Collaboration with Ministry of Interior &amp; Narcotics Control</td>
<td>University Auditorium</td>
</tr>
<tr>
<td>06.03.2015</td>
<td>2nd Round of 17th All Pakistan Inter University Declamation Contest for Award of Allama Iqbal Shield at Regional Level</td>
<td>Lahore College for Women University</td>
</tr>
<tr>
<td>11.03.2015</td>
<td>Stage Drama by Narcotics Control Division</td>
<td>PNCA</td>
</tr>
<tr>
<td>12.03.2015</td>
<td>University Campus Cleanliness Day</td>
<td>University Campus</td>
</tr>
<tr>
<td>16.03.2015 to</td>
<td>Participation in 25th All Pakistan Food Science Conference and Food Expo</td>
<td>PCSIR Laboratories Complex, Lahore</td>
</tr>
<tr>
<td>17.03.2015</td>
<td></td>
<td></td>
</tr>
<tr>
<td>30.03.2015</td>
<td>Singing Competition by ITP</td>
<td>PNCA</td>
</tr>
<tr>
<td>29.03.2015 to</td>
<td>3rd Lyallpur Art &amp; Literature Festival 2015</td>
<td>University of Agriculture Faisalabad</td>
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<td>02.04.2015</td>
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<td>13.04.2015  to 17.04.2015</td>
<td>16th Training Course on Organizational Behavior by CDA Training Academy</td>
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<td>20.04.2015  to 25.04.2015</td>
<td>Spring Splash 2015</td>
<td>Preston University</td>
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<td>27.04.2015</td>
<td>Seminar on Climate Change &amp; Food Security</td>
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<td>27.04.2015</td>
<td>1st Pothwar Art and Literature Festival 2015 – Qiraat &amp; Naat Competition</td>
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<td>27.04.2015</td>
<td>1st Pothwar Art and Literature Festival 2015 – Poster &amp; Painting Competition</td>
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<tr>
<td>27.04.2015</td>
<td>1st Pothwar Art and Literature Festival 2015 – Mushaira &amp; Photography</td>
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<tr>
<td>28.04.2015</td>
<td>1st Pothwar Art and Literature Festival 2015 – Urdu Debate/Punjabi Takraa</td>
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<td>28.04.2015</td>
<td>1st Pothwar Art and Literature Festival 2015 – Singing Competition</td>
<td>University Auditorium</td>
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<td>28.04.2015</td>
<td>1st Pothwar Art and Literature Festival 2015 – Documentary Competition</td>
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<td>1st Pothwar Art and Literature Festival 2015 – Drama Competition</td>
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<td>1st Pothwar Art and Literature Festival 2015 – Dress Show Carnival</td>
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<td>1st Pothwar Art and Literature Festival 2015 – Bait Bazi</td>
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<td>1st Pothwar Art and Literature Festival 2015 – Solo Performance</td>
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<td>Participation in 3rd International Social Science Conference</td>
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<td>Express Education &amp; Career Expo</td>
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<tr>
<td>15.05.2015</td>
<td>Awareness Seminar on World Blood Donors Day 2015</td>
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<td>15.05.2015</td>
<td>Poster Competition on World Blood Donors Day 2015</td>
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<td>21.05.2015</td>
<td>Poster Competition on “Metro is a Sign of Excellence”</td>
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<td>23.05.2015</td>
<td>Dramatic Workshop</td>
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<td>28.05.2015</td>
<td>Youm-e-Takbeer</td>
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<td>27.05.2015</td>
<td>Blood Donation Awareness Program</td>
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<td>08.06.2015</td>
<td>Participation in Intellectual Seminar of Maulana Tariq Jamil</td>
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<td>17.06.2015</td>
<td>Seminar on “Criminology in 21st Century: Challenges and Prospects”</td>
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<td></td>
<td>Participation Call for Debates on “Women Rights and Women’s Empowerment” by PODA</td>
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<td>11.07.2015</td>
<td>Seminar on “Punjab Women Empowerment Package 2014”</td>
<td>University Auditorium</td>
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<td>28.07.2015</td>
<td>Focus Group Discussion in Collaboration with an NGO, Community Services Program (CSP)</td>
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<tr>
<td>13.08.2015</td>
<td>Independence Day Celebrations</td>
<td>PNCA</td>
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<td>27.08.2015</td>
<td>Participation in Capital Youth Festival by Dark Beat</td>
<td>Sports Complex, Islamabad</td>
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<td>02.09.2015</td>
<td>Seminar on Anti-Narcotics by US Embassy</td>
<td>National Library, Islamabad</td>
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<td>10.09.2015</td>
<td>Participation in National Forum on Provincial Youth Policies by BARGAD Organization</td>
<td>Margala Hotel, Islamabad</td>
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<td></td>
<td>Participation in “Stamp Design Competition” on 50th Anniversary of 1965 War by Ministry of Information</td>
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<td>16.09.2015</td>
<td>Seminar on Defence Day</td>
<td>Seminar Room</td>
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<td>22.10.2015</td>
<td>Poster Competition on World Food Day</td>
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<tr>
<td>Date</td>
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<td>Location</td>
</tr>
<tr>
<td>------------</td>
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<td>-----------------------------------------------</td>
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<tr>
<td>04.11.2015</td>
<td>Documentary on “Justice System in Pakistan” by Indus Consortium</td>
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<td>09.11.2015</td>
<td>Iqbal Day Celebrations</td>
<td>Aiwan-e-Sadar, Islamabad</td>
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<td>11.11.2015</td>
<td>National Speech Competition on Celebrations of 50th Anniversary of 6th September 1965 War by HEC</td>
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<td>Painting Competition on Iqbal Day Celebrations</td>
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<td>11.11.2015</td>
<td>Essay Writing Competition on Iqbal Day Celebrations</td>
<td>FC&amp;FS Lt # 7</td>
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<td>11.11.2015</td>
<td>Bilingual Declamation on Iqbal Day Celebrations</td>
<td>University Auditorium</td>
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<tr>
<td>12.11.2015</td>
<td>Iqbal Conference on Iqbal Day Celebrations</td>
<td>University Auditorium</td>
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<tr>
<td>12.11.2015</td>
<td>Mushaira on Iqbal Day Celebrations</td>
<td>University Auditorium</td>
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<td>12.11.2015</td>
<td>Singing Competition on Iqbal Day Celebrations</td>
<td>University Auditorium</td>
</tr>
<tr>
<td>11.11.2015 to 12.11.2015</td>
<td>35th All Pakistan Allama Muhammad Iqbal Bilingual Declamation Contest 2015</td>
<td>GC University, Lahore</td>
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# Finance

## Summary of Revised Budget Estimates for the Year 2015-2016

<table>
<thead>
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<td>Pay and Allowances</td>
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<td>Punjab Government</td>
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<td>55266000</td>
<td>73984000</td>
<td>24200000</td>
<td>Purchase of Durable Goods</td>
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<td>454978000</td>
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<td>Research Projects</td>
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<td>Supplementary Grant from Federal Government</td>
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<td>Own Resources</td>
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<td>Repair of Durable Goods</td>
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<td>University Fee From UIMS</td>
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<td>83613959</td>
<td>102500000</td>
<td>Commodities &amp; Services</td>
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<td>University Fee from UIIT</td>
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<td>156092247</td>
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<td>97000000</td>
<td>Transfer Payments</td>
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<td>116000000</td>
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<td>25606505</td>
<td>21000000</td>
<td>Miscellaneous Expenditure</td>
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<td>Contingent Paid Staff</td>
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<td>Federal Government Grant for Tenure Track Faculty</td>
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<td>8933454</td>
<td>6500000</td>
<td>Overtime/Evening sitting</td>
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<td>Federal Government Grant for Need Base Scholarships</td>
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<td>Building Rent</td>
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<td>UIMS Department</td>
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<td>UIIT Department</td>
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<td>IT Network Data Centre</td>
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<td>UAAR Sub Campus Khushab</td>
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<td>UAAR Research Farm Chakwal</td>
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<td>Tenure Track System</td>
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FINANCIAL YEAR AT A GLANCE

SUMMARY OF BUDGET ESTIMATES

RECURRING BUDGET

<table>
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<tr>
<th>Financial Years</th>
<th>Recurring Funding (Punjab Govt.) In Million Rs.</th>
<th>Recurring Funding (HEC) In Million Rs.</th>
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<td>2009-10</td>
<td>20.53</td>
<td>213.928</td>
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<td>2010-11</td>
<td>22.64</td>
<td>237.668</td>
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<td>2011-12</td>
<td>41.36</td>
<td>298.117</td>
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<td>2012-13</td>
<td>43.079</td>
<td>364.251</td>
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<td>2013-14</td>
<td>50.241</td>
<td>414.441</td>
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<td>2014-15</td>
<td>55.265</td>
<td>464.379</td>
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<td>2015-16</td>
<td>73.984</td>
<td>538.775</td>
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TREND OF PER STUDENT SPENDING

For FY 2014-15 = Rs. 130900 per student on total expenditure basis
For FY 2015-16 = Projected as Rs. 149400 per student on total expenditure basis

SELF GENERATED INCOME

For FY 2014-15 = Rs. 481.003 million
For FY 2015-16 = Rs. 518.943 million
## SUMMARY OF DEVELOPMENT BUDGET ESTIMATES (2015-16)

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>i. Establishment of Sub Campus of PMAS-AAUR at Attock</td>
<td>188.260</td>
<td>0.000</td>
<td>0.000</td>
<td>154.116</td>
<td>154.116</td>
<td>137.594</td>
<td>137.594</td>
<td>16.500</td>
<td>34.114</td>
<td>50.614</td>
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<td></td>
<td>ii. Strengthening of Agricultural Engineering &amp; Women Development Programs at PMAS-AAUR</td>
<td>751.244</td>
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<td>10.000</td>
<td>10.000</td>
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<td>0.175</td>
<td>9.825</td>
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<td><strong>Grand Total</strong></td>
<td><strong>939.504</strong></td>
<td><strong>0.000</strong></td>
<td><strong>0.000</strong></td>
<td><strong>164.116</strong></td>
<td><strong>164.116</strong></td>
<td><strong>137.769</strong></td>
<td><strong>137.769</strong></td>
<td><strong>26.325</strong></td>
<td><strong>154.114</strong></td>
<td><strong>180.439</strong></td>
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</table>
1. **Test Audit Note**

No test audit note was issued during audit.

2. **General Remarks**

Except that contained in the foregoing paragraphs, the maintenance of accounts of *Pir Mehr Ali Shah Arid Agriculture University, Rawalpindi* for the period 2014-15 was found satisfactory.
SYNDICATE

The syndicate is the executive body of the University. Subject to the provisions of the Act and the Statutes, it takes effective measures to raise the standard of teaching, research and publications and other academic pursuits and exercises general supervision over the affairs and management of the property of the University. During the reporting period, three (03) Syndicate meetings were arranged and necessary decisions were taken in the best interest of PMAS-AAUR.

The University Syndicate consists of:

<table>
<thead>
<tr>
<th></th>
<th>The Vice Chancellor</th>
<th>Chairman</th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td>The Vice Chancellor</td>
<td>Chairman</td>
</tr>
<tr>
<td>b.</td>
<td>Member of Provincial Assembly of the Punjab nominated by the Speaker of the Assembly</td>
<td>Member</td>
</tr>
<tr>
<td>c.</td>
<td>Chief Justice of the Lahore High Court, or his nominee</td>
<td>Member</td>
</tr>
<tr>
<td>d.</td>
<td>Secretary, Department of Agriculture, Government of Punjab, Lahore</td>
<td>Ex-officio Member</td>
</tr>
<tr>
<td>e.</td>
<td>Secretary, Department of Livestock and Dairy Development, Government of Punjab, Lahore</td>
<td>Ex-officio Member</td>
</tr>
<tr>
<td>f.</td>
<td>Secretary, Department of Finance, Government of the Punjab, Lahore.</td>
<td>Ex-officio Member</td>
</tr>
<tr>
<td>g.</td>
<td>One nominee of the Higher Education Commission</td>
<td>Member</td>
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<tr>
<td>h.</td>
<td>One Dean to be nominated by the Chancellor on the recommendations of the Vice Chancellor</td>
<td>Member</td>
</tr>
<tr>
<td>i.</td>
<td>Four elected members from the faculty of the University</td>
<td>Members</td>
</tr>
<tr>
<td>j.</td>
<td>Three persons of eminence to be nominated by the Chancellor</td>
<td>Members</td>
</tr>
<tr>
<td>k.</td>
<td>The Registrar</td>
<td>Secretary</td>
</tr>
</tbody>
</table>
ACADEMIC COUNCIL

The Academic Council is the academic body of the University. It is responsible to lay down proper standards of teaching/instructions, research, publications and examinations and to regulate and promote the academic life at the University. In year 2015, two (02) meetings of Academic Council were conducted, wherein revised/amended and new curricula for Undergraduate and Postgraduate studies were discussed and approved. The general rules and regulations pertaining to academic and administration were also argued and the decisions were made for implementation.

The Academic Council consists of:

<table>
<thead>
<tr>
<th></th>
<th>The Vice Chancellor</th>
<th>Chairman</th>
</tr>
</thead>
<tbody>
<tr>
<td>b.</td>
<td>The Deans of the Faculties</td>
<td>Members</td>
</tr>
<tr>
<td>c.</td>
<td>The Directors of the Divisions/Institutes</td>
<td>Members</td>
</tr>
<tr>
<td>d.</td>
<td>All University Professors including Professors Emeritus</td>
<td>Members</td>
</tr>
<tr>
<td>e.</td>
<td>The Chairmen/Chairpersons of the Teaching Departments</td>
<td>Members</td>
</tr>
<tr>
<td>f.</td>
<td>All Associate Professors</td>
<td>Members</td>
</tr>
<tr>
<td>g.</td>
<td>Two Assistant Professors and two Lecturers to be elected by and from amongst themselves</td>
<td>Members</td>
</tr>
<tr>
<td>h.</td>
<td>The Librarian</td>
<td>Members</td>
</tr>
<tr>
<td>i.</td>
<td>The Controller of Examinations</td>
<td>Members</td>
</tr>
<tr>
<td>j.</td>
<td>Two Agricultural Scientists to be nominated by the Chancellor</td>
<td>Members</td>
</tr>
<tr>
<td>k.</td>
<td>Four representatives of NARC to be nominated by the Director General, NARC, Islamabad</td>
<td>Members</td>
</tr>
<tr>
<td>l.</td>
<td>The Registrar</td>
<td>Member/Secretary</td>
</tr>
</tbody>
</table>
ADVANCED STUDIES AND RESEARCH BOARD

The Advanced Studies and Research Board advise the authorities on all matters concerning promotion of advanced studies, publications and research in the University. The board considers and reports to the authorities on the institution of research degrees in the University. In the academic year 2015, Advanced Studies & Research Board was met for two times; the board afforded approvals and advised amendments, where necessary, on admission to post-graduate level, synopsis and research titles of post-graduate students, rules and regulations. The Board also scrutinized various research projects and approved/referred for revision.

Advanced Studies and Research Board consists of:

<table>
<thead>
<tr>
<th></th>
<th>The Vice Chancellor</th>
<th>Chairman</th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td>The Deans</td>
<td>Members</td>
</tr>
<tr>
<td>b.</td>
<td>Directors of the Divisions and the Institutes of the University</td>
<td>Members</td>
</tr>
<tr>
<td>c.</td>
<td>Principals of Affiliated Colleges/Directors of affiliated Institutes</td>
<td>Members</td>
</tr>
<tr>
<td>d.</td>
<td>Three University Professors, other than Deans, to be appointed by the Syndicate</td>
<td>Members</td>
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<tr>
<td>e.</td>
<td>Three University teachers to be appointed by the Academic Council</td>
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<tr>
<td>f.</td>
<td>Five experts from other sister Institutions to be nominated by the Syndicate</td>
<td>Members</td>
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<tr>
<td>g.</td>
<td>Director Advanced Studies</td>
<td>Secretary</td>
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</table>
FINANCE AND PLANNING COMMITTEE

The Finance and Planning Committee advise the Syndicate on all matters relating to planning, development, finance, investments, and accounts of the University. In year 2015, two (02) meetings of Finance and Planning Committee were conducted.

The Finance and Planning Committee consists of:

<table>
<thead>
<tr>
<th>a.</th>
<th>The Vice Chancellor</th>
<th>Chairman</th>
</tr>
</thead>
<tbody>
<tr>
<td>b.</td>
<td>One member of the Syndicate to be appointed by the Syndicate</td>
<td>Member</td>
</tr>
<tr>
<td>c.</td>
<td>Two members of the Academic Council to be appointed by the Academic Council</td>
<td>Members</td>
</tr>
<tr>
<td>d.</td>
<td>Two nominees of the Chancellor, one each from Agriculture Department and Finance Department, Punjab</td>
<td>Members</td>
</tr>
<tr>
<td>e.</td>
<td>The Registrar</td>
<td>Member</td>
</tr>
<tr>
<td>f.</td>
<td>The Treasurer</td>
<td>Member/Secretary</td>
</tr>
</tbody>
</table>
CAMPUS MANAGEMENT COMMITTEE

The syndicate of the University approved the constitution of Campus Management Committee with the following Rules of Business:

- To approve all estimates for the purchase of lands and construction work on the campus
- To engage Architects and Engineering consultants
- To let out works to the contractors
- To do other necessary works to complete the construction at the campus

The Campus Management Committee consists of:

<table>
<thead>
<tr>
<th></th>
<th>The Vice Chancellor</th>
<th>Chairman</th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td>The Vice Chancellor</td>
<td>Chairman</td>
</tr>
<tr>
<td>b.</td>
<td>Director General RDA or His representative</td>
<td>Member</td>
</tr>
<tr>
<td>c.</td>
<td>Superintending Engineer Building Department Rawalpindi.</td>
<td>Member</td>
</tr>
<tr>
<td>d.</td>
<td>EDO Works Rawalpindi.</td>
<td>Member</td>
</tr>
<tr>
<td>e.</td>
<td>DCO Rawalpindi or His representative (for purchase of Land)</td>
<td>Member</td>
</tr>
<tr>
<td>f.</td>
<td>Deans FC&amp;FS</td>
<td>Member</td>
</tr>
<tr>
<td>g.</td>
<td>Dean FA&amp;ET</td>
<td>Member</td>
</tr>
<tr>
<td>h.</td>
<td>Principal Officer Student Affairs</td>
<td>Member</td>
</tr>
<tr>
<td>i.</td>
<td>Principal Officer Estate Care &amp; Security</td>
<td>Member</td>
</tr>
<tr>
<td>j.</td>
<td>The Registrar</td>
<td>Member</td>
</tr>
<tr>
<td>k.</td>
<td>The Treasurer</td>
<td>Member</td>
</tr>
<tr>
<td>l.</td>
<td>The Resident Auditor</td>
<td>Member</td>
</tr>
<tr>
<td>m.</td>
<td>Project Director Works</td>
<td>Member</td>
</tr>
<tr>
<td>n.</td>
<td>Director Planning &amp; Development</td>
<td>Member/Secretary</td>
</tr>
</tbody>
</table>
DELEGATIONS AND VISITS

• Dr. Nicola Larrucia from Italy visited the Department of Environmental Sciences of the University on January 12-21, 2015 for the installation and training of EnviroScan.

• The Korean delegation headed by Korean Ambassador in Pakistan Mr. Jong Hwan Song visited the University on March 04, 2015. They discussed the possibilities of collaboration in academic, research, training and value chain activities for the development of agriculture sector.

• Korean Rural Community Corporation (KRC) delegation headed by Chief Executive Officer (CEO), KRC, Mr. lee Sang Mu visited the University on May 21, 2015 to enhance cooperation in the field of agriculture to find solutions of problems facing by farming community of Pakistan. Mr. Lee Sang Mu also planted a tree at University campus.

• A delegation comprising of three persons, Abid Saeed as Team leader from National Experts Crops Quetta Baluchistan visited the Department of Horticulture on May 27, 2015. Prof. Dr. Nadeem Akhtar Abbasi, Chairman, Department of Horticulture give briefing of Solar Chinese Green House Technology that should be adopted in Baluchistan.

• Prof. Mauro Centritto from Italy visited the Department of Environmental Sciences of the University on June 2-6, 2015 to discuss the ongoing activities and future plans
in the project titled “Training and Capacity Building in Sustainable Agricultural Water Management(SAWaM-Pak).

- Prof. Dr. Louise Ferguson visited the Department of Horticulture on August 26, 2015 and evaluated the AIP UC Davise funded projects. Prof. Dr. Nadeem Akhtar Abbasi, Chairman, Department of Horticulture and Dr. Touqeer Ahmad, Assistant Professor, presented progress reports that were found satisfactory and she asked to submit more proposals.

- A delegation of 5 Chinese scientists came to the department and visited labs on August 28, 2015. The name of scientists were Pangyuxin, Lengqme Yun, Xuli, Dangzhicgiuo and Chen Ye Yuan and briefing was given on activities regarding research projects and establishment of collaborative projects. The delegation belongs to Tropical Crops and Genetic Resources, Institute of Chinese Academy of Tropical Agriculture Science, Danzhou city, Harnan Province P.R. China.
INTERNATIONAL PUBLICATIONS


Chaudhry, M. T., A. U. Mohsin, R. A. Javed, A. Zia and I. Bodlah. 2015. New records of Rhodothemis rufa (Rambar, 1842) and Lamelligomphus biforceps (Selys 1878) (Odonata: Anisoptera) from Pakistan with redescription of L. biforceps (Selys 1878”. Iranian Journal of Science and Technology Transaction A: Science 39A3:305-309. (I.F.0.342)


Hafeez, A., A. Razzaq, Tariq Mahmood, Hafiz Muhammad Jhanzab. 2015. Potential of
Copper Nanoparticles to Increase Growth and Yield of Wheat. Journal of Nanoscience with Advanced Technology 1 (1): 1-6


NATIONAL PUBLICATIONS


116. Umar, S., M. A. A. Shah, M. T. Munir, M. Yaqoob and M. Younus. 2015. An outbreak of botulism in broilers in Pakistan Pakistan Journal of Zoology. 2015. Accepted (IF 0.4)


SEMINARS, WORKSHOPS & CONFERENCES

SEMINARS, WORKSHOPS & CONFERENCES HELD AT UNIVERSITY

1. The Quality Enhancement Cell Organized a Training Workshop on Quality Assurance and Self-Assessment of Programs at the University on February 26, 2015.

2. The Department of Horticulture Organized the Spring Flower Festival 2015 at University on March, 2015.

3. The Office of Research, Innovations and commercialization (ORIC) in Collaboration with Higher Education Commission of Pakistan Organized a Five-day Indigenous On-campus Training (IOT) Workshop on “IT Equipment Management Skills” for Administrative/Non-teaching Staff at the University on March 02, 2015


6. The Department of Sociology Organized a Seminar on Criminological Sciences in Pakistan: Connecting Research with Practice at UIBB Seminar Room of the University on March 18, 2015.

7. The Faculty of Agricultural Engineering & Technology Organized the World Water Day at the University on March 22, 2015.

8. The Department of Sociology Organized a Seminar on Training youth to become leaders through Peace and Human Rights Promotion at UIBB Seminar Room of the University on April 7, 2015.

9. The Department of Entomology Organized the Training Workshop on Prospects of Modern Beekeeping in Pakistan at the University on April 7-9, 2015.
10. The Department of Food Technology Organized the Seminar on Dissemination of Technology of Value Addition of Food at the University on April 23, 2015 and May 05, 2015.

11. The University Institute of Information Technology Organized a Seminar on “Role of Information Technology in Education” at the University on May 04, 2015.

12. The University Institute of Information Technology Organized a Seminar on Water Security at the University on May 08, 2015. Dr. Shahbaz Khan, Office-in-Charge of UNESCO Jakarta was the chief guest.

13. The Faculty of Agricultural Engineering & Technology Organized the Training Workshop on WRM (On-Farm Water Management, Conservation, Harvesting and Irrigation Systems at the University on May 11-22, 2015.


15. The Department of Food Technology Organized the Seminar on Dissemination of Technology of Value Addition of Food at Rawalakot, AJK on May 20, 2015.

16. The Department of Environmental Sciences Organized the International Biodiversity Day 2015 at the University on May 22, 2015.


18. The Faculty of Agricultural Engineering & Technology Organized a Seminar on Hydropower Potential and Utilization at University on June 10, 2015.


20. The Department of Sociology Organized a Seminar on ICT Use of Pakistani Girls 12-18 years in Rural Farming Households at the Seminar Room of the University on August 20, 2015.

21. A Five Days Training Workshop for the Facilitators of “Active Citizens Program (ACP)” held at PMAS- Arid Agriculture University Rawalpindi on August 31 to September 4, 2015. The workshop was organized in collaboration with Higher Education Commission (HEC) and British Council.
22. The Faculty of Veterinary and Animal Sciences (FV&AS) in collaboration with Food and Agriculture Organization (FAO) of the United Nations Organized a seminar on “Control of Transboundary Animal Diseases in Pakistan” at the University on September 09, 2015.

23. The Department of Food Technology Organized the Seminar on Dissemination of Technology of Value Addition of Food at Attock on September 14, 2015.


25. The Department of Environmental Sciences Organized the International Training Workshop on Sustainable Agriculture Water Management in a Changing Environment: A Special Focus on Olive Tree at the University on September 30 to October 02, 2015.

26. The Department of Poultry Science Organized the Role of the Egg in Human Health at the Auditorium of the University on October 08, 2015.

27. The Department of Entomology Organized the Training of Focal Person of All departments, Gardeners, Sweepers, Faculty Members and Staff of the University Regarding Anti-Dengue Measures at the University on October 10-16, 2015.

28. The Department of Food Technology Organized the Celebration of World Food Day and Food Festival at University on October 22, 2015.

29. The Department of Agronomy Organized the International Training Workshop on Sustainable Agriculture Water Management in a Changing Environment at the University on October 30 to November 02, 2015.

30. The Faculty of Agricultural Engineering & Technology Organized the International World GIS Day at the University on November 18, 2015.

31. The Faculty of Agricultural Engineering & Technology Organized the Training Workshop on Mobile GIS Data Collection & Management at the University on December 15-17, 2015.

33. The University Institute of Management Sciences Organized a Seminar on Statistical Methods for Business & Economics Research at the University on December 23, 2015

34. The University Institute of Management Sciences Organized a Seminar on Project Planning and Scheduling at the University on December 30, 2015

WORKSHOPS, SEMINARS AND CONFERENCES ATTENDED BY THE FACULTY

INTERNATIONAL
1. Dr. Asif Ahmad, Associate Professor, Department of Food Technology attended the Joint Meeting of the Soft Wheat Quality at IndianaPolis, USA on March 2-4, 2015.

2. Dr. Ambreen Bhatti, Lecturer, Department of Horticulture attended the Conference on Plant and Ecosystem Responses to Air Pollution, CAPER 2015 at Manchester, UK on March 30 to April 01, 2015.

3. Dr. Ghazala Kaukab Raja, Associate Professor, Department of Biochemistry attended the 17th European Congress of Endocrinology 2015 at Dublin, Ireland on May 16-20, 2015.

4. Dr. Riaz Hussain, Assistant Professor, Department of Veterinary Biomedical Sciences attended 1st International Symposium on Life Sciences and Biological Engineering (ISLSBE) at Bangkok, Thailand on June 27-29, 2015.

5. Dr. Ghazala Kaukab Raja, Associate Professor and Dr. Pakeeza Arzoo Shaiq, Assistant Professor, Department of Biochemistry attended the 5th ICCR (International Chair on Cardio metabolic Risk) Congress on Chronic Societal Cardio metabolic Diseases at Quebec, Canada on July 8-12, 2015.

6. Dr. Muhammad Javaid Asad, Associate Professor, Department of Biochemistry attended the Seminar on Nickel Catalyze Reductive Coupling with Michael Acceptors at Hutchison Hall, 473, University of Rochester, USA on August 4, 2015.

7. Dr. Muhammad Javaid Asad, Associate Professor, Department of Biochemistry attended the Seminar on Transition Metal Mediated Carbon Heteroatom Bond Activation at Hutchison Hall, 473, University of Rochester, USA on August 14, 2015.
8. Dr. Muhammad Javaid Asad, Associate Professor, Department of Biochemistry attended the Seminar on Development of Recyclable Chromium (II) Pre-catalyst for Chromium Organometallic Transformations at Hutchison Hall, 473, University of Rochester, USA on August 19, 2015.

9. Dr. Muhammad Javaid Asad, Associate Professor, Department of Biochemistry attended the Seminar on Engineered Cytochromes P450 for Late Stage Functionalization Natural Products at Hutchison Hall, 473, University of Rochester, USA on August 21, 2015.

10. Dr. Muhammad Javaid Asad, Associate Professor, Department of Biochemistry attended the Seminar on Molecular Modeling of Metal – Organic Frame Works for Energy and Environmental Applications at 202 Gavett Hall, University of Rochester, USA on September 2, 2015.

11. Dr. Muhammad Javaid Asad, Associate Professor, Department of Biochemistry attended the Seminar on Renewable Energy Storage at 202 Gavett Hall, University of Rochester, USA on September 9, 2015.

12. Dr. Audil Rashid, Assistant Professor, Department of Environmental Sciences attended the 25th International Society for Exposure Science Meeting at Henderson, NV, USA on October 18-22, 2015.


14. Dr. Azam Khan, Assistant Professor, Department of Horticulture attended the Third International Conference of Asian Allelopathy Society at China on October 30 to November 02, 2015.

NATIONAL
1. Mr. Mudussar Nawaz, Lecturer, Department of Clinical Studies attended the Workshop on Innovation in Reproductive Management of Dairy Animals at UVAS, Lahore on January 22, 2015.

2. Prof. Dr. Fayyaz-ul-Hassan, Department of Agronomy attended the State of Higher Education After 18th Amendment at COMSAT, Islamabad on February 1-2, 2015.

3. Dr. Azeem Khalid, Associate Professor, Department of Environmental Sciences attended 2nd Indigenous on Campus Training (IOT) Workshop
under Modern University Governance Program as invited speaker at National Defence University Islamabad on February 02, 2015.

4. Dr. Shahid Mahmood, Assistant Professor, Department of Environmental Sciences attended the District Forum of Food Security and Climate Change at Hill View Hotel, Jinnah Super Market, Islamabad on February 06, 2015.

5. Prof. Dr. Tariq Mukhtar, Department of Plant Pathology attended the International Conference on Citiculture: Challenges and Management at Bahauddin Zakariya University, Multan on February 11-13, 2015.

6. Dr. Ghazala Kaukab Raja, Associate Professor, Department of Biochemistry attended the 15th Annual Conference of Pakistan Society of Hepatology at Pearl Continental, Karachi on February 20-22, 2015.

7. Dr. Anwaar Ahmed, Associate Professor, Department of Food Technology attended the International Conference on Malnutrition in South Asia: The Peril Persists at Bahauddin Zakariya University, Multan on February 23-24, 2015.

8. Prof. Dr. S. M. Saqlan Naqvi, Dr. Ghazala Kaukab Raja, Associate Professor, Dr. M. Sheeraz Ahmad, Assistant Professor, Dr. Feroz a Hamid Wattoo, Assistant Professor and Dr. Sadia Saeed, Assistant Professor, Department of Biochemistry attended the Seminar on the Role of the youth in Drug Abuse Prevention at PMAS-AAUR on March 4, 2015.

9. Prof. Dr. Arfan Yousaf, Department of Clinical Studies and Dr. Mazhar ul Haq, Assistant Professor, Department of Veterinary Biomedical Sciences attended AEME Conference, 2015 at Islamabad on March 6-8, 2015.

10. Dr. Anwaar Ahmed, Associate Professor, Department of Food Technology attended 25th All Pakistan Food Science Conference at PCSIR Labs, Lahore on March 16-17, 2015.

11. Dr. Shahid Mahmood, Assistant Professor, Department of Environmental Sciences attended the Thematic Workshop on Water Conservation, Purification and Sanitation at Pak-China Business Center, Islamabad on March 27-30, 2015.

12. Mr. Mudussar Nawaz, Lecturer, Department of Clinical Studies attended the International Symposium on Dairy Animal Reproduction at UVAS, Lahore on March 29, 2015.
13. Dr. Muhammad Farooq, Associate Professor, Dr. Aneela Afzal, Assistant Professor and Ms. Faria Ibad Mirza, Lecturer, Department of Sociology attended the International Conference on Scientist for Sustainability at Best Western, Islamabad on April 1-2, 2015.

14. Prof. Dr. Arfan Yousaf, Department of Clinical Studies attended the 8th National Training course on Molecular Diagnosis of Infectious Diseases Livestock and Poultry at Faisalabad on April 6-8, 2015.

15. All the Faculty Members of Department of Entomology attended the Training Workshop on Prospects of Modern Beekeeping in Pakistan at the University on April 7-9, 2015.

16. Dr. Asim Gulzar, Assistant Professor, Department of Entomology attended the Seminar on Role of IT in Education at UIIT, PMAS-AAUR on April 29, 2015.

17. Dr. Muhammad Farooq, Associate Professor and Ms. Faria Ibad Mirza, Lecturer, Department of Sociology attended the Seminar on New Technologies on Criminal Investigation in Pakistan at PAS-Police Training School, Chaklala on April 29, 2015.

18. Dr. Tanveer Ahmad, Associate Professor, Department of Livestock Production & Management attended the Stakeholder Consultative Workshop on Findings of Small Ruminants Rapid Assessment Studies at Islamabad on May 12-13, 2015.

19. Mr. Muhammad Amin, Lecturer, Faculty of Agri. Engineering & Technology attended the Workshop on Forest Aboveground Biomass Estimation Using Synthetic Aperture Radar in Synergy with Other Method at Institute of Space Technology on May 13-14, 2015.

20. Dr. Muhammad Farooq, Associate Professor, Dr. Aneela Afzal, Assistant Professor, Dr. Mazhar Hussain Bhutta, Assistant Professor, Ms. Faria Ibad Mirza, Lecturer, Ms. Asma Zafar, Lecturer and Ms. Nazia Rafiq, Lecturer, Department of Sociology attended the Third International Social Science Conference on Theme State and Society of Pakistan at HEC, Islamabad on May 13-14, 2015.

21. Prof. Dr. Maqsood Anwar, Department of Wildlife Management attended the Regional Workshop on ICCAs at Serena Hotel, Islamabad on May 21, 2015.
22. Dr. Shahid Mahmood, Assistant Professor, Department of Environmental Sciences and Dr. Asim Gulzar, Assistant Professor, Department of Entomology attended the International Day for Biodiversity at Department of Environmental Sciences, PMAS-AAUR on May 22, 2015.

23. Dr. Rahmatullah Qureshi, Associate Professor, Department of Botany attended the International Day for Biological Diversity “Biodiversity for Sustainable Development” at Pakistan Museum of Natural History, Islamabad on May 22, 2015.

24. Dr. Tanveer Ahmad, Associate Professor, Department of Livestock Production & Management attended the AIOU-CEMCA-COL Curriculum Development Workshop at Allama Iqbal Open University, Islamabad on May 26-29, 2015.

25. Dr. Asim Gulzar, Assistant Professor, Department of Entomology attended the Stevia Kissan Mela at Ayub Agriculture Research Institute, Faisalabad & Punjab Agriculture Department on May 27, 2015.

26. Ms. Faria Ibad Mirza, Lecturer, Department of Sociology attended the Programme Development Workshop on Active Citizens at HEC Islamabad on May 28-30, 2015.

27. Dr. Rahmatullah Qureshi, Associate Professor, Department of Botany attended International Seminar on Research in Pharmacy: Opportunities for Pharmacists to Contribute in Healthcare System at Serena Hotel, Quetta on June 01, 2015.

28. Dr. Rahmatullah Qureshi, Associate Professor, Department of Botany attended the Workshop on Strategic Management of Biodiversity in the Jhelum-Poonch River Basin: Challenges for Hydropower Development at Serena Hotel, Islamabad on June 12-13, 2015.

29. Prof. Dr. Muhammad Arshad, Department of Botany attended the Seminar on Accountability and Good Governess at Aiwan-e-Sadar Auditorium on June 29, 2015.

30. Prof. Dr. Nadeem Akhtar Abbasi, Department of Horticulture and Prof. Dr. Muhammad Arshad, Department of Botany attended the Conference on Action for Adaptation: Bringing Climate Change Science to Policy Makers at Marriott Hotel, Islamabad on July 23-25, 2015.
31. Dr. Shahid Mahmood, Assistant Professor, Department of Environmental Sciences attended the Rural Livelihood and Climate Change Adaptation Programme-Hemalica at Islamabad Hotel on July 28, 2015.

32. Prof. Dr. Maqsood Anwar, Department of Wildlife Management, Prof. Dr. Ishfaq Ahmed Hafiz, Department of Horticulture, Dr. Zahid Akram, Associate Professor, Department of Plant Breeding & Geneticsand Dr. Ata-ul-Mohsin, Associate Professor, Department of Entomology attended three days Training Workshop of Program Evaluator/Experts of NAEAC on July 29-31, 2015.

33. Mr. Muhammad Usman, Lecturer and Mr. Muhammad Amin, Lecturer, Faculty of Agri. Engineering & Technology attended the SRA for Handover and Training of Surface-Groundwater and Econometric Models to End Users in Pakistan at Lahore on August 2-5, 2015.

34. Mr. Muhammad Usman, Lecturer and Mr. Muhammad Amin, Lecturer, Faculty of Agri. Engineering & Technology attended the Consultative Workshop for a Research Proposal to Improve Groundwater Management for Agricultural and Environmental Purposes at Lahore on August 6-7, 2015.

35. Dr. Gulshan Irshad, Assistant Professor, Department of Plant Pathology attended the Hands on Training on Decision Support System for Agro-Technology Transfer at University of Agriculture Faisalabad on August 18-19, 2015.

36. Dr. Ghazala Kaukab Raja, Associate Professor, Department of Biochemistry attended International Workshop on ICT Use of Pakistani Girls in Rural Farming Households at PMAS-AAUR on August 21, 2015.

37. Dr. Muhammad Farooq, Associate Professor and Ms. Faria Ibad Mirza, Lecturer, Department of Sociology attended the Scientific Writing Workshop at PMAS-AAUR on August 26, 2015.

38. Prof. Dr. M. Naeem, Dr. Farid Asif Shaheen, Assistant Professor and Dr. Imran Bodlah, Assistant Professor, Department of Entomology attended the Seminar on Dengue Fever and Dengue Hemorrhagic Fever Control Using Effective Vector Control Tools at PC-Hotel, Rawalpindi on August 26, 2015.

40. Dr. M. Irfan Ashraf, Assistant Professor, Department of Forestry & Range Management, Muhammad Usman Raja, Assistant Professor, Department of Plant Pathology, Dr. M. Fiaz, Assistant Professor, Department of Livestock Production & Management, Dr. Muhammad Umair, Assistant Professor and Mr. Naeem Abbas Malik, Lecturer, Faculty of Agri. Engineering & Technology attended the Training Program for Active Citizen Training of Facilitations at PMAS-AAUR on August 31 to September 04, 2015.

41. Mr. Muhammad Amin, Lecturer, Faculty of Agri. Engineering & Technology attended the International Conference on Aerospace Science & Engineering at Institute of Space Technology, Islamabad on September 2-4, 2015.

42. Prof. Dr. Arfan Yousaf, Department of Clinical Studies, Dr. Azeem Khalid, Associate Professor, Dr. Shahid Mahmood, Assistant Professor, Department of Environmental Sciences, Dr. M. Asif Aziz, Assistant Professor, Department of Entomology, Dr. Rashid Mahmood, Assistant Professor, Department of Plant Breeding & Genetics, Dr. Riaz Hussain, Assistant Professor and Dr. Mazhar ul Haq, Assistant Professor, Department of Veterinary Biomedical Sciences attended the 4th International Molecular Biology and Biotechnology Congress & Conference on Life Science Research 2015 at Al-Nafees Medical College and Hospital, Isra University Islamabad on September 4-6, 2015.

43. Prof. Dr. Arfan Yousaf, Dr. M. Arif Zafar, Assistant Professor, Dr. Muhammad Yaqoob, Assistant Professor, Mr. Mudussar Nawaz, Lecturer, Department of Clinical Studies, Dr. Riaz Hussain, Assistant Professor, Dr. Mazhar ul Haq, Assistant Professor, Dr. Mujeeb ur Rehman Sohoo, Lecturer, Dr. Asif Riaz, Lecturer, Ms. Sumaira Hassan, Lecturer, Department of Veterinary Biomedical Sciences, Dr. M. Ali Abdullah Shah, Associate Professor, Dr. Intiaz Ahmed Khan, Associate Professor, Dr. Murtaz-ul-Hassan, Assistant Professor and Dr. Saif-ur-Rehman, Assistant Professor, Department of Pathobiology attended the Training Workshop on control of Transboundary Animal Diseases in Pakistan at PMAS-AAUR on September 09, 2015.

44. Dr. Ghulam Shabbir, Assistant Professor, Department of Plant Breeding & Genetics attended the 5th International Conference on Agriculture, Food Security and Climate Change at The University of Poonch, Rawalakot on September 9-11, 2015.
45. Ms. Faria Ibad Mirza, Lecturer, Department of Sociology attended the National Forum on Provincial Youth Policies at Margalla Hotel, Islamabad on September 10, 2015.

46. Prof. Dr. Nadeem Akhtar Abbasi, Prof. Dr. Ishfaq A. Hafiz, Department of Horticulture, Dr. Abdul Manaf, Assistant Professor, Department of Agronomy, Dr. M. Irfan Ashraf, Assistant Professor, Dr. Saeed Gulzar, Assistant Professor, Ms. Lubna Ansari, Lecturer, Ms. Sabeeqa Usman Malik, Lecturer Department of Forestry & Range Management, Prof. Dr. Tariq Masud, Dr. Asif Ahmad, Associate Professor, Dr. Anwaar Ahmed, Associate Professor, Dr. Asma Amin, Assistant Professor, Dr. Rai Muhammad Amir, Assistant Professor, Ms. Asia Latif, Lecturer, Dr. Kashif Sarfraz, Lecturer, Department of Food Technology, Dr. Audil Rashid, Assistant Professor, Dr. Shahid Mahmood, Assistant Professor, Department of Environmental Sciences, Dr. Imran Bodlah, Assistant Professor, Dr. Asim Gulzar, Assistant Professor, Department of Entomology and Dr. Ghazala Kaukab Raja, Associate Professor and Dr. Sadia Saeed, Assistant Professor, Department of Biochemistry attended the International Training Workshop on Sustainable Agriculture Water Management in a Changing Environmental Special Focus on Olive Tree at PMAS-AAUR on September 30 to October 02, 2015.

47. Prof. Dr. Arfan Yousaf, Dr. M. Arif Zafar, Assistant Professor, Dr. Muhammad Yaqoob, Assistant Professor and Mr. Mudussar Nawaz, Lecturer Department of Clinical Studies attended the World Poultry Egg Day at PMAS-AAUR on October 8, 2015.

48. Prof. Dr. Tariq Masud, Dr. Asif Ahmad, Associate Professor, Dr. Anwaar Ahmed, Associate Professor, Dr. Asma Amin, Assistant Professor, Dr. Rai Muhammad Amir, Assistant Professor, Ms. Asia Latif, Lecturer and Dr. Kashif Sarfraz, Lecturer, Department of Food Technology attended the Celebration of World Food Day and Food Festival at PMAS-AAUR on October 22, 2015.

49. Dr. Aamir Saleem, Assistant Professor, Department of Forestry & Range Management attended International Training Workshop on Range Land Monitoring and Assessment Through New Techniques at Islamabad on October 26-29, 2015.

50. Dr. Irfan Aziz, Assistant Professor, Department of Agronomy attended the Training in Soil Survey at the office of Director General, Soil Survey of Punjab, Lahore on October 26-30, 2015.
51. Prof. Dr. M. Safdar Anjum, Dr. Nasir Mukhtar, Assistant Professor, Department of Poultry Science, Dr. Anwaar Ahmed, Associate Professor, Department of Food Technology, Dr. Tanveer Ahmad, Associate Professor and Dr. M. Fiaz, Assistant Professor, Department of Livestock Production & Management attended the Food & Nutrition Week-2015 and International Human Nutrition Conference at PC Hotel, Lahore on November 3-4, 2015.

52. Dr. Touqeer Ahmad, Assistant Professor, Department of Horticulture attended a Seminar on Olive Valley Development in Pothwar Region of Punjab at Shalimar Hall, Falettis Hotel, Edgerton Road, Lahore on November 4, 2015.

53. Prof. Dr. Maqsood Anwar, Department of Wildlife Management attended the National Workshop on National Biodiversity Strategy and Action Plan (NBSAP) at Marriot Hotel, Islamabad on November 5, 2015.

54. Mr. Muhammad Amin, Lecturer, Faculty of Agri. Engineering & Technology attended the Seminar on Discovery Day at Sereena Hotel, Islamabad on November 13, 2015.

55. Dr. Azeem Khalid, Associate Professor, Department of Environmental Sciences attended the International Conference on Soil Sustainability for Food Security at Institute of Soil and Environmental Sciences, UAF on November 15-17, 2015.

56. Dr. Abida Akram, Associate Professor, Department of Botany, Dr. M. Ali Abdullah Shah, Associate Professor, Department of Pathobiology, Dr. M. Arif Zafar, Assistant Professor, Department of Clinical Studies and Dr. Tanveer Ahmad, Associate Professor, Department of Livestock Production & Management attended 37th All Pakistan Science Conference: Food Safety and Security Challenges in Pakistan at Lahore on November 16-17, 2015.

57. Prof. Dr. Arfan Yousaf, Department of Clinical Studies and Dr. Nasir Mukhtar, Assistant Professor, Department of Poultry Science attended 3rd International Workshop on Dairy Science Park at University of Agriculture, Peshawar on November 16-18, 2015.

58. Dr. Ghazala Kaukab Raja, Associate Professor and Dr. Feroza Hamid Wattoo, Assistant Professor, Department of Biochemistry attended the International Day for Geographic Information System (GIS) at PMAS-AAUR on November 18, 2015.
59. Dr. Muhammad Javaid Asad, Associate Professor, Department of Biochemistry attended the Seminar on the Role of Nutritionally Enhanced Genetically Modified Foods in Alleviating Malnutrition in Developing Countries at Islamic International University, Islamabad on November 19, 2015.

60. Prof. Dr. Tariq Mukhtar, Prof. Dr. M. Inam-ul-Haq, Dr. Farah Naz, Assistant Professor and Dr. Muhammad Ashfaq, Assistant Professor, Department of Plant Pathology attended 5th International and 10th National Conference of Pakistan Phytopathological Society: Crop Protection for Sustainable Agriculture at University of Punjab, Lahore on November 23-25, 2015.

61. Dr. Aamir Saleem, Assistant Professor, Department of Forestry & Range Management attended the National Inception Workshop Sustainable Land Management Project at Islamabad on November 25, 2015.

62. Dr. Irfan Aziz, Assistant Professor, Department of Agronomy attended the Sustainable Land Management Programme to Combat Desertification in Pakistan at Sikandar Hall, Best Western Hotel, Islamabad on November 25, 2015.

63. Dr. Muhammad Javaid Asad, Associate Professor, Department of Biochemistry attended the Seminar on Nanotheranostics: New Concept in Imaging and Drug Delivery at Noori Auditorium, G-8/3, Islamabad on November 26, 2015.

64. Dr. Anwaar Ahmed, Associate Professor, Department of Food Technology attended the International Conference on Opportunities and Challenges in Dairy Industry at University of Agriculture Faisalabad on November 26, 2015.

65. Mr. Muhammad Amin, Lecturer, Faculty of Agri. Engineering & Technology attended the Seminar on Climate Change Adaptation at Sereena Hotel, Islamabad on December 3, 2015.

66. Dr. Anwaar Ahmed, Associate Professor, Department of Food Technology attended 12th Annual Fulbright and Humphrey Alumni Conference at NUST, Islamabad on December 4-6, 2015.

67. Dr. Riaz Hussain, Assistant Professor, Department of Veterinary Biomedical Sciences attended the International Symposium on Camel Management and Reproduction at Sindh Agriculture University Tandojam on December 23-24, 2015.
68. Dr. Farida Faisal, Director and Ms. Bushra Zulfiqar, Assistant Professor along with 20 MBA Students from University Institute of Management Sciences attended the Pakistan Governance Forum at Quaid-e-Azam Auditorium, Islamabad on December 31, 2015.
PUBLICATION COMMITTEE:
Prof. Dr. Khalid Saifullah Khan
Prof. (R) Dr. Iftikhar Hussain
Prof. Dr. Riaz Ahmad
Mr. Shahid Ali Khan
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