



HEC



AUP



L&DD



PVMA



KPCCI



SMEDA

## 2<sup>nd</sup> International Workshop on Dairy Science Park

(November 18-20, 2013)

Venue: Khyber Pakhtunkhwa Agricultural University, Peshawar-25120, Pakistan

**Theme: Developing enterprising capacity of livestock and poultry farmers of Pak-Afghan Region through partnership of academia, government, entrepreneurs, exporters & civil society with special focus on meat production targeted at International Halal Food Market**

### PROGRAMME OF THE CONFERENCE

## MONDAY NOVEMBER 18, 2013

0830 Registration of the Participants

**INAUGURAL PROGRAMME** (Moderator: Mr Rizwan Ahmnad, Director P&D)

1030 Participants to be seated  
 1100 Arrival of the honorable Chief Guest  
 1110 National anthem  
 1115 Recitation from the Holy Quran and Naat  
 1130 Welcome address by Prof. M. Subhan Qureshi, Dean FAHVS  
 1150 Inaugural words by Vice Chancellor  
 1220 Address by the Chief Guest  
 1240 Award of shields to the Chief Guest, ICI, NAYS young scientists and others  
 1300 Group Photo, Refreshment; Poster viewing; Visit to Industrial Exhibition

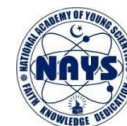
### TECHNICAL SESSION I (1400-1515)

#### LIVESTOCK DEVELOPMENT & BUSINESS

**Guest of Honor:** Mr Zahidullah Shinwari, President KPCCI  
**Chairman:** Prof Muhammad Sarwar, Dean FAH, UA Faisalabad  
**Co-chairman I:** Director General L&DD (Ext), Khyber Pakhtunkhwa  
**Co-chairman II:** Prof Zahoor Swati, Director IBGE  
**Moderator:** Prof Sohail Ahmad/Mr Rizwan Ahmad

LDB -1	LIVESTOCK INDUSTRIALIZATION – A REVIEW OF THE FAILURES– <i>Azam Shah Farmer</i>
LDB -2	LIVESTOCK SECTOR – THE L&DD VISION – <i>Sher Muhammad, L&amp;DD (Ext)</i>
LDB -3	LIVESTOCK SECTOR – RESEARCH PRIORITIES – <i>Ghufranullah, L&amp;DD (Res)</i>
LDB -4	FEEDS AND FODDERS NETWORK REQUIRED FOR MEAT PRODUCTION IN KP ON COMMERCIAL BASIS- <i>Muhammad Sarwar, UAF</i>
LDB -5	ECONOMICS ANALYSES OF THE SHEEP ENTERPRISES IN KARAPINAR COUNTRY IN KONYA, TURKEY – <i>Mithat Direk, Konya</i>
LDB-6	DAIRY SCIENCE PARK – THE BLUEPRINT – <i>M Subhan Qureshi, UAP</i>
LDB -7	LIVESTOCK INDUSTRIALIZATION – THE SMEDA VISION – <i>Javed Khattak, SMEDA</i>
LDB -8	IMPORTANCE OF HALAL FOOD UNDER ISLAMIC PERSPECTIVE – <i>Mirajul Islam,PU</i>
LDB -9	POTENTIAL OF HALAL MEAT EXPORT; <i>Zubair Mugha, Halal Res Council</i>
LDB-10	GRADUATE ENTREPRENEURSHIP OPPORTUNITIES, CHALLENGES AND ITS IMPACT ON THE ECONOMY - <i>Faisal Khan, Oxfod University, UK</i>

**LUNCH BREAK**



## TECHNICAL SESSION II (1545-1700)

### SCIENCE INDUSTRY LIAISON

**Guest of Honor:** Dr. Mithat Direk, Konya, Turkey  
**Chairman:** Ghufuranullah, DG Research VRI Peshawar, KPK  
**Co-chairman I:** Mr. Ahmad Saeed, CPO  
**Co-chairman II:** Prof. Dr. Tariq Javed, UAF Faisalabad  
**Moderator:** Dr. Shakoor Ahamd, Assistant Professor, UA Peshawar

EQE-11	SUSTAINABILITY OF SMALL HOLDING FARMER Vs EMERGING COMMERCIAL DAIRY AND POULTRY FARMING – AN ANALYSIS INTO THE RURAL MICRO ECONOMY OF PAKISTAN AND AFGHANISTAN; <i>Ali A.</i>
EQE-12	ESTABLISHING THE MODERN DAIRY VALUE CHAIN IN PAKISTAN; TOOL FOR PRO POOR FARMER DEVELOPMENT; <i>Junaid M., Javed I., Abdullah M., Gulzar M., Ahmad I., Ayaz M., Younas U., &amp; Zahoor Y.</i>
EQE-13	PROSPECTS OF LIVESTOCK PRODUCTION AND ITS ROLE IN POVERTY ALLEVIATION IN PAKISTAN; <i>Tariq M., Younas M., Ahmad S. &amp; Shafiq M.</i>
EQE-14	ETHICAL SUPPORT REQUIRED FOR EXPORT OF HALAL MEAT FROM KHYBER PAKHTUNKHWA <i>Qureshi SS., Muhammad ND., Rahman B, Qureshi MS &amp; Syed BH.</i>
EQE-15	ANTIBIOTIC RESIDUES IN COMMERCIAL POULTRY MEAT AND EGGS <i>Hussain S., Khan S., Ali J., Sultan A., Chand N., &amp; Rafiullah</i>
EQE-16	QUALITY AND ADULTERATION ASPECTS OF MILK SOLD IN DIFFERENT AREAS OF FAISALABAD <i>Khalid AR., Mustafa MI., Bilal MQ. &amp; Lateef M.</i>
EQE-18	EFFECT OF VARIOUS CONCENTRATIONS OF HYDROGEN PEROXIDE ON CHEMICAL AND MICROBIOLOGICAL QUALITY OF RAW BUFFALO MILK <i>Alam MI., Ayaz M., Javed I., Anjum A., Inayat S. &amp; Junaid M.</i>
EQE-19	IN VITRO QUALITY ASSESSMENT OF COMMERCIALY AVAILABLE BRANDS OF DICLOFENAC SODIUM TABLETS; <i>Ahmad S., Nazir T., Kayali T., &amp; Khan H.</i>
EQE-20	RITUAL HALAL SLAUGHTER, ANIMAL WELFARE, MEAT SCIENCE - KNOWLEDGE GAPS; <i>A. Hamid</i>
EQE-21	DRUG RESIDUES IN CATTLE AND BUFFALO MEAT IN PESHAWAR <i>Khan K., Rahman A., Qureshi MS., Sadique U., Ali J., Ahmad N., &amp; Ahmad M.</i>
EQE-22	TURNING TO ITS REAL TASK; CAMEL MILK IS APPEALING DESIRABILITY EVEN IN NON-CAMEL WORLD; <i>Raziq A., &amp; Younas M.</i>
EQE-23	SUCCESS STORIES OF SELF EMPLOYMENT THROUGH POULTRY - <i>Khan S</i>
EQE-24	SUCCESS STORIES OF L&DD - <i>Islam M</i>
EQE-25	SUCCESS STORIES IN LIVESTOCK RESEARCH AND PVMA - <i>Khattak I</i>
EQE-26	EPIDEMIOLOGY OF BOVINE TUBERCULOSIS IN PAKISTAN, CURRENT AND FUTURE CONTROL PROGRAM; <i>Javed MT., &amp; Cagiola M.</i>

**TUESDAY NOVEMBER 19, 2013**

## TECHNICAL SESSION III (0800-1000)

### ANIMAL HEALTH

**Chairman:** Prof. Dr. Hameed Ullah Shah  
**Co-Chairman I:** Prof. Dr. Zafar Iqbal  
**Co-chairman II:** Khushi Muhammad  
**Moderator:** Dr. Umer Sadique, Department of Animal Health, UAP, Peshawar

AH-2	ANTIBODY RESPONSE OF BUFFALO CALVES TO DIFFERENT LEVELS OF FOOT AND MOUTH DISEASE VIRUS IMMUNOGEN <i>Akram Q., Muhammad K., Rabhani M., Ashraf K., Anjum AA., Nazir J., Ali A., &amp; Farooq M.</i>
AH-12	IN-VIVO ANTI-THEILERIAL ACTIVITY OF MEDICINAL PLANTS IN COMPARISON TO BUTALEX <i>Ashraf M., Ahmad M., Khan MS., Javeed A. &amp; Rasheed MA.</i>
AH-14	CELLULAR AND MOLECULAR MECHANISMS UNDERLYING THE ANTIOXIDANT AND ANTI-INFLAMMATORY ACTIVITIES OF HESPERIDIN IN CHICKENS; <i>Iqbal MF., Hang S., Hashim MM., &amp; Zhu W.</i>
AH-18	PREVALENCE AND ASSOCIATED FACTORS OF BOVINE ANAPLASMOSIS IN DISTRICT KHANEWAL <i>Siddique RM., Sajid MS., Khan SA., Khan MN. &amp; Iqbal Z.</i>
AH-21	POINT PREVALENCE OF GASTROINTESTINAL HELMINTHES IN BOVINE POPULATION OF PAROKA FARM, FAISALABAD, PAKISTAN; <i>Khan MN., Khan MWH., Sajid MS., Virk MR., &amp; Iqbal A.</i>

AH-26	ELISA BASED SEROSURVEILLANCE OF BOVINE FASCIOLIASIS IN DISTRICT SARGODHA <i>Rehman TU., Khan MN., Sajid MS., Javed MT &amp; Mehmood K.</i>
AH-27	EVALUATION OF GARLIC EXTRACT, SODIUM NITRITE, SODIUM THIOSULFATE AND HYDROXOCOBALAMIN AGAINST PROLONGED ORAL CYANIDE EXPOSURE IN RABBITS <i>Avais M., Khan MS., Khan MA., Ashraf K., Hassan ZU., Khan JA. &amp; Ahmad N.</i>
AH-32	APPLICATIONS OF STEM CELLS THERAPY IN ANIMALS; <i>Ahmad A.</i>
AH-38	COMPARATIVE STUDIES ON THE HISTOLOGY OF UTERINE HORNS IN NULLIPAROUS AND MULTIPAROUS TEDDY GOATS (CAPRA HIRCUS); <i>Qureshi AS., Mohsin M. &amp; Rehan S.</i>
AH-43	A COMPARATIVE STUDY ON PREVALENCE OF COCCIDIAN PARASITES IN BROILER CHICKENS (GALLUS GALLUS DOMESTICUS), JAPANESE QUAIL (COTURNIX COTURNIX JAPONICA) AND WILD PIGEON (COLUMBA LIVIA); <i>Fazal S., Manzoor F., Maqbool A., Mahnoor, Asghar S., Wajid I. &amp; Ashraf A.</i>
AH-55	BACTERIOLOGY OF SUB-CLINICAL MASTITIS IN DAIRY BUFFALOES MAINTAINED AT PRIVATE FARMS LOCATED IN URBAN AND PERI URBAN AREAS OF YAZMAN <i>Ahsan U., Chaudhry HR., Ashraf S, Raza I., &amp; Jamil T.</i>
AH-58	A HISTOPATHOLOGICAL REPORT ON MULTIBACILLARY FORM OF NATURALLY OCCURRING PARATUBERCULOSIS INFECTION IN BUFFALO; <i>Arbab Sikander</i>
<b>TEA BREAK/POSTER VIEWING (1000-1030)</b>	

### TECHNICAL SESSION IV (1030-1300)

<b>MEAT AND DAIRY TECHNOLOGY</b>	
<b>Guest of Honor:</b> Prof Dr Muhammad Ashraf, UVAS <b>Chairman:</b> Prof Muhammad Naeem, UA Peshawar	
<b>Co-chairman:</b> Prof. Dr. Sarzamin Khan, UA Peshawar	
<b>Moderator:</b> Prof. Dr Nazir Ahmad, University of Agriculture Peshawar	
DS-1	SERUM OXIDATIVE BIOMARKERS IN HOLSTEIN COWS AS INFLUENCED BY LATE PREGNANCY <i>Khan RU., &amp; Rahman ZU.</i>
EQE-27	RABBIT FARMING AND ITS SCOPE IN KHYBER PAKHTUNKWA REGION OF PAKISTAN <i>Shah SU., Khan S., Khan K., &amp; Ahmad N.</i>
DS-3	INFLUENCE OF MASTITIS SEVERITY ON MILK COMPOSITION IN BEETAL GOATS <i>Samiullah., Bilal MQ., Mustafa MI., Muhammad G., Lateef M. &amp; Ali A.</i>
DS-4	THE EFFECT OF FARM SIZE AND LOCALITY ON PRODUCTION PERFORMANCE IN SMALL AND MEDIUM DAIRY FARMERS; <i>Raza SH., Riaz M, Sarwar M. &amp; Zikria M.</i>
DS-6	MINERALS AND ORGANIC ACID CONTENT IN BUFFALO MILK CHEDDAR CHEESE: A COMPARISON WITH COW; <i>Murtaza MA., Rehman SU., Huma N., Murtaza MS. &amp; Meraj A.</i>
MDT-3	USE OF BUFFALO MILK IN MOZZARELLA CHEESE MAKING: A COMPARISON WITH COWS' MILK <i>Hussain I., &amp; Nadeem M.</i>
MDT-5	EXPLOITATION OF FRESH WATER RESOURCES RESULTS IN THE DECLINE OF FRESH WATER MEAT IN PAKISTAN; <i>Azmat R., &amp; Aziz F.</i>
MDT-7	FEEDING MANAGEMENT OF DAIRY COWS FOR IMPROVING CARDIO-PROTECTIVE QUALITIES OF MILK; <i>Azeemi TA., Qureshi MS., Rahman IU., &amp; Khan I.</i>
MDT-8	FATTY ACID COMPOSITION AND STABILITY OF OLEIN FRACTIONS OF BUFFALO BUTTER OIL <i>Arif AM., Iqbal Z., Nadeem M., Masih S., &amp; Rashid A.</i>
MDT-9	EFFECT OF DATE PALM EXTRACT ON OXIDATIVE STABILITY OF BUTTER WITH MODIFIED FATTY ACID COMPOSITION; <i>Masih S., Iqbal Z., Nadeem M., Arif AM., &amp; Rashid A.</i>
MDT-11	PHYSICO-CHEMICAL AND SENSORIAL QUALITY OF BUFFALO MEAT <i>Awan K., Soomro IH., Khaskheli M. &amp; Shamim A.</i>
MDT-14	EFFECT OF MILK FAT AND TRANSESTERIFIED PALM OLEIN BLENDS ON PHYSICAL AND CHEMICAL CHARACTERISTICS OF ICE CREAM <i>Abdullah M., Khurshid A., Qurashi MS., Khan S., Rahman F. &amp; Nadeem M.</i>
MDT-17	FLEECE PRODUCTION AND WOOL QUALITY CHARACTERISTICS OF FOUR GENOTYPES OF SHEEP IN AZAD JAMMU & KASHMIR; <i>Awan K., Qureshi MA., Khan SA. &amp; Sabir N.</i>
MDT-18	PRODUCTION AND EVALUATION OF MILK POWDER AT LABORATORY SCALE LEVEL THROUGH ROLLER-DRYING SYSTEMS; <i>Majeed S., Khaskheli M., Khan SA. &amp; Ahmed G.</i>
MDT-19	VALUE ADDITION OF INDUSTRIAL CHEESE WHEY THROUGH RICOTTA CHEESE DEVELOPMENT <i>Ahmad S., Khan MA., Zahoor T., Qayyum MN., Athar IH., &amp; Meraj A.</i>
MDT-20	USE OF DAIRY PRODUCTS IN AGRICULTURE PRODUCTION; <i>Akay A., &amp; Sert D.</i>
<b>LUNCH AND PRAYER</b>	

## TECHNICAL SESSION V (1400-1630)

### FEEDING AND NUTRITION

**Chairman:** Prof. Dr. Muhammad Sarwar, UAF  
**Co-chairman:** Prof. Dr. Alamzeb, UAP  
**Moderator:** Dr Nazir Ahmad, Chairman Animal Nutrition

FN-3	BIOTECHNOLOGICAL METHODS TO IMPROVE THE NUTRITIVE VALUE OF LOW QUALITY ROUGHAGES FOR NILI RAVI BUFFALO CALVES <i>Shahzad F., Chaudhry AS., Abdullah M., Bhatti JA., Jabbar MA., &amp; Javed K.</i>
FN-4	DRY MATTER ACCUMULATION AND LER DIFFER IN MAIZE AND BEAN WITH CHANGE IN CROP STAND “MONO-CROPPING VS. INTER-CROPPING” WITH AND WITHOUT COMPOST APPLICATION; <i>Amanullah Jr., Khan F., &amp; Hidayatullah</i>
FN-5	PHOSPHORUS AND TILLAGE MANAGEMENT INFLUENCE DRY MATTER PARTITIONING AND YIELD IN MAIZE WITH AND WITHOUT MOISTURE STRESS CONDITION; <i>Amanullah Jr., Zahid A., &amp; Hidayatullah</i>
FN-6	EFFECT OF DIFFERENT LEVELS OF ORGANIC ACID SUPPLEMENTATION ON MILK YIELD AND COMPOSITION OF HOLSTEIN FRIESIAN CATTLE DURING SUMMER STRESS <i>Ali A., Khan S., Akhter S., Inam M., Ahmad I., Khan NA., &amp; Ali M.</i>
FN-7	EFFECTS OF ANISEED (PIMPINELLA ANISUM) ON PRODUCTIVE PERFORMANCE, MILK COMPOSITION AND BLOOD METABOLITES OF DAMANI GOATS <i>Iftikhar M., Akhter S., Qureshi MS., Abdurehman, Khattak I., Khalil ZR., Khattak TA., &amp; Din HU.</i>
FN-11	EFFECT OF FEEDING FREQUENCY AND PARTICLE SIZE OF FODDER ON THE PRODUCTION PERFORMANCE OF LACTATING COWS; <i>Fayyaz A., Lateef M., Mustafa MI. &amp; Bilal MQ.</i>
FN-14	GROWTH PERFORMANCE OF GROWING BUFFALO CALVES FED UREA-CORN STEEP LIQUOR TREATED CORN COBS; <i>Tipu MA. &amp; Ahmad F.</i>
FN-17	EFFECT OF DIETARY PROTEIN LEVELS AND AGE OF FEEDING THE STARTER RATION ON THE GROWTH PERFORMANCE OF WEANED BEETAL KIDS; <i>Ishaq K., Younas M., Yaqoob M. &amp; Mirza MA.</i>
FN-18	EFFECT OF FEEDING LEVELS OF MINERAL AND VITAMINS ON PERFORMANCE OF LACTATING CATTLE AND BUFFALO; <i>Tariq M., Ahmad S., Cheema UB. &amp; Shafiq M.</i>
FN-21	MULTIPURPOSE USE OF FODDER TREE AS GREEN FODDER FOR RUMINANT ANIMALS IN DRY SEASON AND TO CONTROL SOIL EROSION. <i>Osti NP</i>
FN-27	RESPONSE OF GROWING MALE GOATS TO GRADUALLY INCREASED DIETARY CONCENTRATION OF SODIUM BICARBONATE UNDER TROPICAL ENVIRONMENT <i>Sarwar M., Shahzad MA., Nisa MU., Sharif M., Tauqir NA., &amp; Rehman MSU.</i>

**WEDNESDAY, NOVEMBER 20, 2013**

## TECHNICAL SESSION VI (0800-1000)

### REPRODUCTION AND GENETICS

**Guest of Honor:** Dr Nawaz Saeed DG L&DD Punjab      **Chairman:** Prof. Dr. Sohail Ahmad, UAP  
**Co-chairman:** Dr. Malik Ayaz Wazir, President PVMA, Khyber Pakhtunkhwa, Peshawar  
**Moderator:** Dr. Zahoor Ul Hassan. Deptt. Animal Health, AU Peshawar

RG-2	ADAPTATION UNDER OPTIMUM, STRESS AND DIVERSE ENVIRONMENTS; A REFLECTION FROM EVOLUTION FOR PLANT AND ANIMAL BREEDERS; <i>Ali S.</i>
RG-3	PREGNANCY DIAGNOSIS IN DAIRY ANIMALS THROUGH INHIBITION OF SEED GERMINATION; <i>Khan S., Hussain Z., Lal C., &amp; Khan N.</i>
RG-4	SEMEN TRAITS, SEMINAL PLASMA ANTIOXIDANT ENZYMES AND TRACE MINERALS AS INFLUENCED BY DIFFERENT LEVELS OF DIETARY VITAMIN E IN BEETAL BUCKS; <i>Qureshi MS., Khan RU., &amp; Majid A.</i>
RG-5	BLOOD METABOLITES AND HORMONAL PROFILES IN DAIRY COWS DURING ESTRUS CYCLE IN JALALABAD AFGHANISTAN; <i>Kadwal MH., &amp; Qureshi MS.</i>
RG-6	EFFECT OF THERMAL STRESS ON PHYSIOLOGICAL AND REPRODUCTIVE PARAMETERS IN DAIRY COWS – A PRELIMINARY STUDY; <i>Khan I., Qureshi MS., Akhtar S., Ali I., &amp; Ghufuranullah</i>
RG-11	MORPHOMETRIC EVALUATION OF CORPUS LUTEUM AND OVARY DURING ESTROUS IN NILI-RAVI BUFFALO THROUGH ULTRASONOGRAPHY IN SPRING AND DRY HOT SEASONS; <i>Ansari AR., Arbab Sikandar A., Qamar AY &amp; Akbar Z.</i>
RG-13	IDENTIFICATION OF SINGLE NUCLEOTIDE POLYMORPHISM IN POU1F1 GENE IN PAKISTANI CATTLE; <i>Munir S., Nadeem A., Babar ME., Javed M., &amp; Hussain T.</i>
RG-15	STUDIES ON HAEMATO-CHEMICAL PROFILE OF CHOLISTANI AI BULLS UNDER STRESS FREE AND STRESSFUL SEASONS; <i>Farooq U., Ijaz A., Ahmad N. &amp; Samad HA.</i>

RG-16	PHYLOGENETIC AND GENETIC DIVERSITY ANALYSIS OF SAHIWAL AND CHOLISTANI DAIRY CATTLE BREEDS OF PAKISTAN BASED ON MITOCHONDRIAL D-LOOP REGION; <i>Saeed S., Hussain T., Babar ME., Nadeem A. &amp; Javed M.</i>
RG-18	USE OF LATEST GENOMIC TECHNIQUES FOR EFFICIENT ANIMAL PRODUCTION IN PAKISTAN <i>Babar ME., &amp; Hussain H.</i>
RG-21	GENETIC AND PHENOTYPIC TRENDS FOR POSTWEANING TRAITS OF BUCHI SHEEP IN PAKISTAN; <i>Akhtar M., Javed K., Abdullah M., Mirza RU., Kuthu ZH. &amp; Ahmad I.</i>
RG-23	ANGIOGENESIS IN THE CORPUS LUTEUM OF NILI-RAVI BUFFALO (BUBALUS BUBALIS) DURING ESTROUS CYCLE; <i>Qureshi AS., Hussain M. &amp; Rehman NU.</i>
<b>TEA BREAK/POSTER VIEWING</b>	

### **TECHNICAL SESSION VII (1030-1300)**

#### **POULTRY SCIENCE**

**Chairman:** Prof Dr M Nisar Khan, UAF      **Co-chairman:** Dr. Mirza Ali Khan

**Moderator:** Dr. Naila Imtiaz UAP Peshawar

PS-1	REPLACEMENT OF SOYBEAN MEAL WITH YEAST SINGLE CELL PROTEIN IN BROILER RATION: THE EFFECT ON PERFORMANCE AND ECONOMICS; <i>Chand N., Ihsanuddin, Khan S., &amp; Qureshi MS.</i>
PS-2	SEMEN QUALITY OF LOCAL AND EXOTIC ROOSTERS (GALLUS GALLUS DOMESTICUS) DURING EXTREMES OF SUMMERS SUPPLEMENTED WITH ASCORBIC ACID AND ELECTROLYTES (EC-COOL®); <i>Khan S., Inam M., Sultan A., Qureshi MS., Imtiaz N., Khan H., &amp; Rafiullah</i>
PS-3	PREVALENCE AND IDENTIFICATION OF EIMERIA SPECIES IN BROILER BIRDS OF DISTRICT MIRPUR, AZAD JAMMU & KASHMIR; <i>Shamim A., Qureshi MA, Sabir N., Iqbal A. &amp; Kaleem QM</i>
PS-4	EFFECT OF DIFFERENT LEVELS OF VITAMIN E ON THE PERFORMANCE TRAITS, SERUM ANTIOXIDANT ENZYMES AND TRACE MINERALS IN JAPANESE QUAIL ( <i>COTURNIX COTURNIX JAPANICA</i> ); <i>Shah AA., Khan RU., Khan MS. &amp; Khan S.</i>
PS-7	GROWTH PERFORMANCE AND ECONOMIC EFFICIENCY INFLUENCED BY DIFFERENT HOUSING ZONES IN SEXED BROILERS; <i>Akram M., Mehmood S., Sahota AW., Javed K., Hussain J., Jatoi AS., Abbas Y. Javaid S.</i>
PS-11	EVALUATION OF SOME MORPHOLOGICAL PARAMETERS AMONG FOUR CLOSE-BRED STOCKS OF JAPANESE QUAIL; <i>Rehman A., Akram M., Hussain J., Mehmood S., Ahmad S. &amp; Usman M.</i>
PS-13	COMPARATIVE EVALUATION OF POST-PEAK PRODUCTION PERFORMANCE PARAMETERS AND EGG GEOMETRY OF FOUR VARIETIES OF ASEELS IN THREE DIFFERENT PRODUCTION CYCLES AFTER INDUCED MOLTING; <i>Ashfaq H., Akram M., Zahoor I., Mehmood S., &amp; Javid A.</i>
PS-14	BIOCHEMICAL PROFILE AND IMMUNE RESPONSE OF BROILERS, REARED ON CAGE VS FLOOR SYSTEMS FED ON VARIOUS LEVELS OF MANNONOLIGOSACCHARIDE (MOS); <i>Javaid S., Akram M., Mahmud A., Pasha TN., Mehmood S., Javed K., &amp; Ashfaq H.</i>
PS-16	EFFECT OF DIFFERENT FEED RESTRICTION REGIMES ON GROWTH PERFORMANCE AND ECONOMIC APPRAISAL OF 4 CLOSED BRED STOCKS OF JAPANESE QUAILS REARED DURING SUMMER ; <i>Abbas Y., Sahota AW., Akram M., Javed K., Mehmood S., &amp; Ahmad S.</i>
PS-17	EFFECT OF ZINC SUPPLEMENTATION ON BODY AND ORGAN WEIGHTS, CERTAIN SERUM BIOCHEMICAL AND ENDOCRINOLOGICAL MARKERS OF SPENT LAYERS <i>Idris M., Rahman ZU., Khaliq T. &amp; Muhammad M.</i>
PS-18	PRE-PEAK AND PEAK PRODUCTION PERFORMANCE AND EGG QUALITY OF FOUR DIFFERENT VARIETIES OF ASEEL AT THREE DIFFERENT AGES AFTER INDUCED MOLTING <i>Usman M., Basheer A., Akram M., Babar ME., Ahmad S., Hussain F., Iqbal M. &amp; Rahman AU.</i>
PS-19	EFFECT OF MANNAN OLIGOSACCHARIDE SUPPLEMENTATION ON CARCASS, CUT UP, AND GIBLETS YIELD IN SEXED BROILERS - <i>Hussain F., Akram M., Zahoor I., Jaspal MH., Naeem R., Khan U. Usman M., Zeeshan M.</i>
PS-20	CARCASS, CUT-UP AND GIBLETS YIELD IN SEXED BROILERS MAINTAINED UNDER FLOOR AND CAGE AND THEIR MUTUAL TRANSFER SYSTEM <i>Hussain F., Akram M., Zahoor I., Jaspal MH., Naeem R., Sharif S., &amp; Ahmed U.</i>
PS-21	PRODUCTION PERFORMANCE AND EGG QUALITY OF LAYING HENS FED DIFFERENT DIETARY LEVELS OF GROWTH PROMOTER UNDER TROPICAL CONDITIONS; <i>Abdel-Wareth AAA., Hassanein H.H.M., &amp; Mobashar M.</i>
PS-24	EFFECT OF LOCALLY ISOLATED LACTOBACILLI PROBIOTIC BACTERIA ON BROILER PERFORMANCE; <i>Ashraf M., Arshad Muhammad G. &amp; Khan HA.</i>
PS-32	FEED ENZYMES ALTERED SORGHUM NUTRIENT DIGESTIBILITY OF SORGHUM BIOASSAY DIET; <i>Sultan A., Khan S., &amp; Khan MS.</i>

#### **LUNCH & PRAYER**

### **CONCLUDING SESSION (1400-1630)**