



## PROGRAMME SCHEDULE

# (WRIAST-2018)

International Conference on  
**WORLDWIDE RESEARCH INITIATIVES FOR AGRICULTURE, SCIENCE & TECHNOLOGY**  
**24-26 October 2018**

### *Organised By:*

National Agriculture Development Co-operative Ltd.  
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### **In Collaboration with**



*University of Kashmir*



*SKUAST-K Shalimar, Kashmir*



**Government of Jammu & Kashmir**

*Department of Sheep Husbandry  
Govt. of Jammu & Kashmir*



**Government of Jammu & Kashmir**

*Department of Agriculture  
Govt. of Jammu & Kashmir*

**Venue :** *Gandhi Bhawan, University of Kashmir, Hazratbal, Srinagar,  
J & K, India. 190025*

REGISTRATION :

09:00-11:00 am

<b>INAUGRAL SESSION</b>	
<b>Time: 11 am --1 pm</b>	<b>Venue : Gandhi Bhawan auditorium</b>
<b>Welcome Address</b>	<b>Dr. Bilal Ahmad Wani</b> Co-organising secretary
<b>Address</b>	<b>Peer Qammer- ud-Din Shah</b> Chairman NADCL
	<b>Syed Altaf Aijaz Andrabi</b> Director Agriculture Kashmir
	<b>Dr. Mohammand Sharief</b> Director Sheep Husbandry Department Kashmir
	<b>Prof: Zaffar Ahmad Reshi</b> Dean Research Kashmir University
<b>Release of Souvenir and Conference book</b>	
<b>Presidential Address</b>	<b>Shri Satya Pal Malik</b> Governor J&K
<b>Vote of Thanks</b>	<b>Dr. F. A. Mattoo</b> Dean SDS college of Animal science Haryana

Lunch Break

1:00—2:00 pm

<b>Technical Session-1A ( Agriculture and Horticulture – I )</b>	
<b>Venue: Gandhi Bhawan Auditorium</b>	
<b>Time : 2:00 – 3:00 pm</b>	
<b>Chairperson::</b> <i>Professor A. Humid Wani, Department of Botany, University of Kashmir</i>	
<b>Co-Chair::</b> <i>M.Sulaiman Dar, Assistant Professor , Department of Botany, GDC, Anantnag</i>	
<b>Rapporteur:</b> <i>Mir Khusroo, Assistant Professor, Department of Botany</i>	
<b>Oral Paper Presentations</b>	
1.	<i>Nutrient Management in Alfalfa</i>
2.	<i>Phytochemistry and Pharmacological properties of Phyllanthus amarus Schum.: A Review</i>
3.	<i>Pre and Post Emergence Application of Imazthapyr on N Uptake, Nodulation And Microbial Population of Chickpea Sown After Rice in Vertisols of C.G.</i>
4.	<i>Prediction Performance of Height Diameter Models Under Different Sampling Methods</i>
5.	<i>Proteomic Changes in Calendula offiinalis L. Under Cold Stress</i>
6.	<i>Quality Planting Material (QPM) in Black pepper (Piper nigrum L.): Prospects and Possibilities</i>
7.	<i>Reproductive Versatility in Legumes: The Case of Tripping in Indigofera Tinctoria L.</i>
8.	<i>Response of Chickpea (Cicer Arietinum L) to Di- Ammonium Phosphate and Phosphate Solubilizers on its Yield And Yield Attributes.</i>
9.	<i>Response of Fodder Oats to Fertility Levels and Cutting Management at Different Sowing Dates</i>
10.	<i>Rootstock and Cultivar Effect on Mineral Nutrition, Seasonal Nutrient Variation and Correlation with Fruit Quality Parameters</i>
<b>Technical Session-1B ( Animal Husbandry and Animal Sciences– I )</b>	
<b>Venue: Gandhi Bhawan conference room</b>	
<b>Time : 2:00 – 3:00 pm</b>	
<b>Chairperson:</b> <i>Professor Majeed ul Rehman, Division of Veterinary Surgery, SKUAST _K</i>	
<b>Co-Chair:</b> <i>Dr. Altaf Hussain, Assistant Professor, Department of Zoology, University of Kashmir</i>	
<b>Rapporteur:</b> <i>Dr. Aijaz Hussain, Assistant Professor, Seed Technology, GDC, Anantnag</i>	
<b>Oral Paper Presentations</b>	
1.	<i>Comparison of mineral status of sheep reared in different managerial conditions</i>
2.	<i>Detection and Pathotyping of Newcastle Disease Virus from Poultry in Kashmir</i>
3.	<i>Development of an Innovative Multiuse FMIS for Sheep Breeding Farms</i>
4.	<i>Role of Silicon on Plant Pathogen Interactions</i>
5.	<i>Disease modifying activity of methanolic extract of Colchicum luteum against experimental gout in broiler chicken.</i>
6.	<i>Eclampsia with Mastitis-Metritis-Agalactia Complex in A Boxer Bitch –A Case Report</i>
7.	<i>Effect of Cold Stress and its Various Mitigating Remedies on the HaematoBiochemical Parameters and Immune Response in Broiler Chicken</i>

8.	Effect of Dietary Utilization of Different Phytobiotics Along with Vitamin-C and Chitosan on Growth Performance in Fingerlings of <i>Cyprinus Carpio Haematopterus</i> (Amur Carp)
9.	Effect of Feeding Fibrolytic Enzymes Treated Paddy Straw Based Complete Ration on Performance of Lambs
10.	Effect of feeding firolytic enzyme treated paddy straw based complete diet on haemato-biochemical parameters in Corriedale Lambs 211
11.	Effect of Incorporation of Bovine Colostrum in Broiler Chicken Diets on Performance Parameters

### Technical Session-1C (Agriculture and Horticulture – I)

**Venue: Gandhi Bhawan Lawns**

**Time : 2:00 – 3:00 pm**

**Chairperson: Dr Rehana Habib Kant, Division of Agronomy , FOA, Wadura, SKUAST K**

**Co-Chair: Dr. Nasir Hamid Masoodi, Assistant Professor, SKUAST K**

**Rapporteur: : Bahar Ahmad, Assistant Professor, Department of Botany, GDC, Anantnag**

#### Poster Presentations

1.	Adaptability and Yield Potential of Quinoa ( <i>Chinopodium Quinoa</i> ) as a Food Crop Through Some Fertilizer and Sowing Date Manipulations Under Cold Arid Climatic Conditions of Ladakh.
2.	Advanced Technology of Fertilizer Uses for Crop Production
3.	Aerobic Rice –An Efficient Water Management Strategy for Rice Production
4.	Assessment of Antioxidant and Antimicrobial activities of <i>Salvia moorcroftiana</i> Wall ex Benth. : An endemic plant to Kashmir Himalaya
5.	Character Association and Path Analysis in Rice ( <i>Oryza Sativa</i> L.) for Seed and Seed Vigour Traits
6.	Characterization, Classification and fertility status of the soils of KVK Jhajjar Haryana, North-west India
7.	Climate and Soil Formation
8.	Effect of Conservation Practices on Sediment Yield and Soil Loss
9.	Effect of Fertility Levels, Bio fertilizers and Organic Manure on Nutrient uptake by Sorghum Fodder and Its Residual Effect on Barley
10.	Effect of Inm on Growth and Yield of Sprouting Broccoli ( <i>Brassica Oleracea</i> (L) var. <i>Italic</i> Planck)
11.	Effect of Integrated Nutrient Management on Soil Fertility, Yield and Quality of Greengram [ <i>Vignaradiata</i> (L.)Wilczek]
12.	Effect of NPK fertilization on Phytophthora leaf blight and tuber yield of Bunda ( <i>Calocasia esculenta</i> var. <i>esculenta</i> )
13.	Effect of Organic, Inorganic And Integrated Nutrient Management on Productivity and Economic Viability in Rice Based Cropping systems in Madhya Pradesh
14.	Effect of <i>Physalis alkekenji</i> Herb on In Vitro Nutrient Degradability and Fermentation Attributes of Paddy Straw-Based Total Mixed Ration 174
15.	Effect of Row Spacing on Growth and Yield of Barley Varieties 206

16.	Effect of Zinc and Boron Application on Growth and Yield of Onion ( <i>Allium cepa</i> L.) 389
17.	Efficiency of Nitrogen in Relation to Tillage in Rice-Wheat Cropping System 46
18.	Frontline Demonstrations: An effective tool for transfer of Wheat (HD-2967) production technology in Hanumangarh District of Rajasthan 61
19.	Influence of Integrated Use of Manures and Fertilizers on Physico-Chemical Properties of Soil as well as Yield and Cost of Cultivation of Coconut 130
20.	Influence of Nutrient Management Practices on Yield, Quality and Nutrient uptake in Scented Rice under Temperate Conditions of Kashmir 382

**Tea Break**

**3:00 - 3:15 pm**

<b>Technical Session-2A (Disease and Pest Management. )</b>	
<b>Venue: Gandhi Bhawan Auditorium</b>	<b>Time : 3:15 – 4:15 pm</b>
<b>Chairman : Professor Javaid Ahmad Wani, HOD Soil Science, SKUAST</b>	
<b>Co-chair: Dr. Zaroor A. Baba, Assistant Professor ( Sr Scale), FOA, Wadura, SKUAST K</b>	
<b>Rapporteur:: Dr. Aijaz Hussain, Assistant Professor, Seed Technology, GDC, Anantnag</b>	
<b>Oral Paper Presentations</b>	
1.	Ecofriendly Management of Major Pests of Capsicum
2.	Effect of Habitat Overlap on Transmission of Parasites
3.	Elicitation of Fenugreek ( <i>Trigonella Foenum-Graecum</i> ) Sprouts for Improving their Bioactive Potential for Better Management of Diabetes
4.	Herbal de-wormers- An alternative to chemical Control
5.	Integerated Management of Stemphylium Blight of Onion ( <i>Stemphylium vesicarium</i> ) in Kashmir Valley
6.	MolecularCharacterization ofCowpea ( <i>Vigna unguiculata</i> (L.) Walp.) Germplasm for Yellow Mosaic Virus (CYMV) Resistance in North-western Himalayas of State Jammu and Kashmir
7.	Morpho-Physiological and Pathogenic Variability in <i>Phomopsis Vexans</i> Isolates Causing Blight Disease in Brinjal and its Integrated Management in Kashmir
8.	Morphogenetic Agents in Insect Control: An Appraisal
9.	Taxonomic identification and biological attributes of Apple leaf roller, <i>Rhopobota naevana</i> (Hubner) Lepidoptera: Tortricidae

**Technical Session-2B (Biodiversity and Climate Control )****Venue: Gandhi Bhawan conference room****Time : 3:15 – 4:15 pm****Chairperson: Dr. Aijaz Ahmad, HOD, Zoology, GDC, DoDa****Co-Chair: Dr. Nasir Hamid Masoodi, Assistant Professor, SKUAST K****Rapporteur: : Dr. Asif Hussain Sofi, Assistant Professor,****Oral Paper Presentations**

1.	An inventory of Macrophytic diversity of Hokersar wetland-A Ramsar site (Kashmir Himalaya) 232
2.	Biodiversity and Abundance of Insect Community in Cultivated Land areas at Corbett City (Ramnagar), Uttarakhand
3.	Complex behaviour of environmental variables towards herbaceous tracheophytes on northern face at forest-grassland ecotone in Lesser Himalaya(J&K)
4.	Diversity, Biomass Accumulation and Carbon Storage of Shrub Community in a Foothill Forest of Indian Eastern Himalayas
5.	Fish and Parasites as Bioindicators of Water Pollution and Environmental Change in Freshwater Ecosystems
6.	Gyps himalayensis: A Natural scavenger of Himalayas
7.	An evolutionary drift assuring reproductive success: Case study in <i>Fumaria indica</i> Hauskn.) Pugsley
8.	Macro-Mineral Profile of Pasture Plants and Sheep Grazed in Sub-Alpine Pastures of Kashmir Valley.
9.	Carbon Sequestration Potential and Economics of <i>Dalbergia sissoo</i> -Paddy Based Agroforestry System in Central India
10.	Global Climate Change: Issues and Challenges
11.	Seasonal Water Quality Characterization And Suggested Management Strategies for Lake Mansar, J&K (India)

<b>Technical Session-2C (Biodiversity and climate control )</b>	
<b>Venue: Gandhi Bhawan Lawns</b>	
<b>Time : 3:15 – 4:15pm</b>	
<b>Chairperson: Dr Rehana Habib Kant, Division of Agronomy , FOA, Wadura, SKUAST K</b>	
<b>Co-Chair: Dr. Nasir Hamid Masoodi, Assistant Professor, SKUAST K</b>	
<b>Rapporteur: : Bahar Ahmad, Assistant Professor, Department of Botany, GDC, Anantnag</b>	
<b>Poster Presentations</b>	
1.	Man-Animal Dissension in Himalayan Wildlife
2.	Natural Change Occurs Through Such Processes as Succession
3.	Niche dynamics and the potential global distribution of invasive <i>Acacia auriculiformis</i> (Earleaf acacia) under climate change
4.	Regeneration dynamics of dominant tree species in temperate forests of Keran valley, Kashmir Himalaya
5.	Status of House sparrow, ( <i>Passer domesticus</i> ): A Review
6.	Distribution pattern and space use of leopards in Kazinag National Park, Baramulla, Jammu and Kashmir
7.	Impact of organic Farming on Soil Properties
8.	Influence of Different Storage Conditions on Pigment Content and Color Quality of <i>Celosia Argentinia</i> L. Var <i>Plumose</i> of Kashmir Region
9.	Climate Change and Livestock Production with Special Reference to J&K
10.	Climate Smart Agriculture : Food Security of Future to the Climate Change
11.	Combined Effects of Co <sub>2</sub> , Temperature and Nitrogen on Fruit Quality
12.	Food insecurity and environmental degradation: The Exacerbating Factors for Global Climate Change.
13.	Global climate change: Issues and Challenges
14.	Impact of Climate Change on Carbon Sequestration for Sustaining Soil Health
15.	Impact of Climate Change on Vegetable Crops
16.	Phenological Shifts, A Clear Manifestation of Climate Change
17.	Advances in Mechanisms of Cold Stress Tolerance in Plants

<b>Technical Session-3A ( Agriculture and Horticulture – II)</b>	
<b>Venue: Gandhi Bhawan Auditorium</b>	
<b>Time : 10:00 – 11:15 am</b>	
<b>Chairperson: Professor Sarfaraz Ahmad Wani, Ex Dean and C. O. E, SKUAST K</b>	
<b>Co-Chair: Dr. M. Yaqoob Bhat, Assistant Professor Department of Botany, university of kash</b>	
<b>Rapporteur: Dr . Babar Ahmad, Assistant Professor, Department of Botany, GDC, Anantnag</b>	
<b>Oral Paper Presentations</b>	
1.	Self Incompatibility Studies in Almond ( <i>Prunus Amgdulidis Dulcis.</i> )
2.	Sex Expression and Phenology of <i>Zanthoxylum Armatum</i> : An Important Medicinal Plant
3.	Site-Specific Nutrient Management (SSNM)
4.	Studies on Physico-chemical Characteristics of Newly Introduced Exotic Apple Varieties on M9T337 Rootstock Under High Density Plantation in North-West Himalayan Region
5.	Studies on Phytochrome and their role in <i>Arabidopsis</i> ( <i>Arabidopsis thaliana</i> ) & rice ( <i>Oriza sativa</i> ) plant
6.	Study of Weed Flora and Weed Control Efficiency Under Diversification and Intensification of Rice Based Cropping Systems
7.	Study on Symptomology Morphology and Cultural Characters of Leaf Spot ( <i>Phleospora maculans</i> ) Disease in Mulberry.
8.	Traits Enhancing Grain Yield Of Rice Under Alternate Wetting And Drying (AWD) Under Favourable Climate
9.	Cadmium toxicity-effect on different growth and development parameters of <i>Brassica juncea</i> genotypes
10.	<i>In Vitro</i> Flowering in <i>Ammi majus</i> L.

<b>Technical Session-3B ( Animal Husbandry and animal science– II )</b>	
<b>Venue: Gandhi Bhawan conference room</b>	
<b>Time : 10:00 – 11:15 am</b>	
<b>Chairperson: Professor M. Maqbool Darzi, HOD, Veterinary Pathology, SKUAST K</b>	
<b>Co-Chair: Dr. Azmat Aalim, Professor Division of LPM, Shuhama, SKUAST K</b>	
<b>[Rapporteur: Amir Hussain, Assistant Professor, Department of Botany, GDC, Anantnag</b>	
<b>Oral Paper Presentations</b>	
1.	Estimation of genetic parameters of Polled Dorset Sheep under temperate climatic conditions of Kashmir.
2.	Evaluation of Feeding Practices and Nutritional Status of Adult Horses in District Ganderbal of Kashmir Valley
3.	Evaluation of Winter Rearing of Broiler Chicken Production With Special Emphasis on Effect of Cold on Performance and Suitable Remedies to Mitigate Effect of Cold on Performance of



	Broiler Chicken.
4.	Fasting induced Histomorphological Changes in the Adrenal Gland of Broiler Chicken (Gallus Domesticus)
5.	Health Problems of Changra Goats in Changthang and Adjoining TransHimalayan Area of Ladakh
6.	Histomorphological Changes in Mammary Gland Affected With Acute Purulent Mastitis in Small Ruminants
7.	Mitigating winter vagaries in dairy animals
8.	Nutritional status and veterinary practices for livestock in Ganderbal District
9.	Preparation of Area Specific Mineral Mixture Based on Mineral Profile of Locally Available Feed and Fodder Resources in District Ganderbal of J&K State
10.	Who Cares about Ethics of Organized Animal Farming?

### Technical Session-3C (Agriculture and Horticulture – I)

**Venue: Gandhi Bhawan Lawns**

**Time : 10:00 – 11:15 am**

**Chairperson: Professor M. A. Paul, HOD, Division of LPT,SKUAST K**

**Co-Chair: Dr. Altaf Hussain, Assistant Professor,**

**Rapporteur: Aamir Hussain, Assistant Professor, GDC, Anantnag**

#### Poster Presentations

1.	Apricot Specific -Urea Molasses Blocks an Alternative Supplement for Cross Bred Cattle in the Cold Arid Kargil Region of J& K State
2.	Blood Biochemical Indices Lack Diagnostic Significance in Subclinical Caprine Brucellosis: Evidence from Non-Vaccinated Brucella Melitenensis Positive Changra Goats in Northern Himalayan Region of Ladakh
3.	Calf scour - an obstacle in successful dairying.
4.	Common Health Problems and Feeding Practices of Livestock in Ganderbal District of Kashmir Valley
5.	Comparative Study on Ketofol and Propofol Anesthesia in Canine Surgical Patients
6.	Comparison of Haematological Parameters and Iron Status of Sheep Reared in Different Managemental Conditions.
7.	A Study on Assessment of Training needs of cherry growers in District Baramulla of Jammu and Kashmir
8.	Chlorophyll Fluorescence Response In Wheat Varies With Growth Stage And Herbicide
9.	Diversity of cellulose degrading bacteria in soils of Kashmir valley
10.	Effect of Chickpea and Linseed Intercropping System on <i>Helicoverpa Armigera (Hubner)</i> Incidence and Yield in Chickpea
11.	Effect of Different Manures on Organic Seed Production in Garden Pea Cv. Arkel
12.	Evaluation of variability for yield traits in Common bean ( <i>Phaseolus vulgaris</i> L.)
13.	Growth and yield performance of rainfed maize <i>Zea mays</i> L. under different sowing methods and fertility levels

14.	Identification of resistant maize genotypes and their antibiotic effect on larvae of stem borer ( <i>Chilo partellus</i> ) under laboratory conditions
15.	Integrated Effect of Chemical Fertilizers and Bio-Inoculants on the Soil Health with an Increase in Cost Benefi Ratio in <i>Gladiolus</i> (Tourn.) L. cv. Priscilla.
16.	Introduction of Pigeon pea ( <i>Cajanus cajan</i> L. Milsp.) in Kashmir Valley of North-western Himalayas for Diet Diversification
17.	Mineral Nutrition Status of Plum Tree in Response to Various Nitrogenous Fertilization and Boron Cv. Santa Rosa under rain fed Conditions of Kashmir Valley.
18.	Performance Evaluation of Micronutrients in Tomato cv. Shalimar 1
19.	Phytochemical and Bioevaluation Studies of Chemical Constituents Isolated From <i>Artemisia Moorcroftiana</i> Wall.
20.	Pre-Harvest Sprouting Tolerance in Barley ( <i>Hordeum Vulgare</i> L.)
21.	Comparative Study on the effect of Immunosuppressive Diseases on the Concentration of Zinc in Lymphoid Organs of Broiler Chicken
22.	Effect of different managemental system on faecal egg count and vital parameters in sheep
23.	Impact of Dairy on Livelihood of Women Dairy Entrepreneurs

Tea Break

11:15 - 11:30 am

#### Technical Session-4A ( Cell and Micro-biology )

Venue: Gandhi Bhawan Auditorium

Time : 11:30 – 1:00 pm

Chairperson:: Professor A. Humid Wani, Department of Botany, university of kashmir

Co-Chair: Dr. Bilal A. Wani, Assistant Professor, Seed Technology, GDC, Anantnag

Rapporteur: Mir Khusroo, Assistant Professor, Department of Botany, GDC, Anantnag

#### Oral Paper Presentations

1.	Fascioliasis ( <i>Fasciola</i> sp. Infection) in Slaughtered Sheep and Goats and their Epidemiological Survey in Anantnag, Kashmir
2.	Helminth Fauna of Dog ( <i>Canis Familiaris</i> ) In Srinagar City, Jammu and Kashmir,India.
3.	In Vitro Bacteriophage Mediated Disruption of <i>Staphylococcus Aureus</i> Biofims Associated with Bovine Mastitis
4.	Increase Microbial Enzyme Activity in soil through Conservation Tillage System
5.	Prevalnce, Isolation and Serogrouping of <i>Salmonella</i> Infections Isolated from the Reproductive Tracts of Layer Birds of Kashmir Valley
6.	Quantification Of Rumen Microflra and Fermentation Pattern in Sheep Fed Fibrolytic Enzymes Treated Paddy Straw Based Complete Feed
7.	Role of Psychrotrophic Bacteria in Composting of Organic Waste Fraction of Municipal Solid Under Temperate Climatic Conditions
8.	Survivality of Bio-agents in Presence of Organic Amendment in Soil
9.	Synthesis of Copper Nanoparticles and Evaluation of its Efficacy Against <i>Sclerotium Rolfsii</i>
10.	Phytochemical and Bioevaluation Studies of Chemical Constituents .Isolated From <i>Artemisia Moorcroftiana</i> Wall.

11.	Detection and Characterization of Enterotoxigenic <i>Clostridium perfringens</i> from Potable Water and Animal Food Sources
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<b>Technical Session-4B ( Food Processing and Post-Harvest technology )</b>	
<b>Venue: Gandhi Bhawan conference room</b>	<b>Time : 11:30 – 1:00 pm</b>
<b>Chairperson: Dr. Poonam Sharma, Associate Professor, SKUAST K</b>	
<b>Co-Chair: Mohammad Sulaiman Dar, Assistant Professor</b>	
<b>Rapporteur :Dr. Asif Hussain Sofi, Assistant Professor Shuhama, SKUAST</b>	
<b>Oral Paper Presentations</b>	
1.	A Study on the Effect of Type and Level of Various Emulsifying Salts on the Quality of Processed Paneer.
2.	Correlating Lycopene and Moisture Content in Dried Tomatoes Using Image Processing Technique.
3.	Designer Eggs: A Step Towards Better Human Health
4.	Development of Chocolate Coated Chhana Confection with its Physicochemical and Sensory Characterization
5.	Effect of Different Organic Sources of Nutrients on Quality Parameters of Aromatic Rice Cultivars
6.	Effectiveness and Storability of Vegetables in Zero Energy Cool Chamber for the Women Vegetables Growers of Dungarpur District – A Case Study
7.	Importance of Food Processing Industries in the Economic Development of Rural People
8.	Quantitative estimation of reducing sugar by acid hydrolysis of banana ( <i>Musasapientum</i> ) peels by standard methods
9.	Development and Storage Stability of Chocolate Coated Chhana Confection at Refrigeration (4±1°C) and Room Temperature (30±3°C).
10.	Physico-chemical, functional and antioxidant properties of pomegranate peel and seed powder

<b>Technical Session-4C (Food Processing and cell Biology )</b>	
<b>Venue: Gandhi Bhawan Lawns</b>	<b>Time : 11:30 – 1:00 pm</b>
<b>Chairperson: Professor Majeed ul Rehman, Shuhama, SKUAST _ Kashmir</b>	
<b>Co-Chair: Dr. Hidayatullah, Sr Assistant Professor, University of Kashmir</b>	
<b>Rapporteur: Dr. Aijaz Hussain, Assistant Professor, Seed Technology, GDC, Anantnag</b>	
<b>Poster Presentations</b>	
1.	Influence of Different Storage Conditions on Pigment Content and Color Quality of Celosia Argentia L. Var Plumose of Kashmir Region
2.	Processing of Walnuts by Different Methods And Identification of Compounds Using GC–MC and LC–MS and Estimation of Antioxidant Activity
3.	Prospects of Molecular Markers in Improvement of Medicinal Plants
4.	Use of Fenugreek Seed Extract for the Development of Functional Patties from Spent Hen Meat 288

5.	Use of High Pressure Processing in food processing
6.	Characterization of antibiotic resistant <i>Staphylococcus aureus</i> molecular types associated with community and food of animal origin in Ludhiana, Punjab
7.	Comparative Phytochemical Analysis and Antibacterial Efficacy of Two Species of <i>Artemisia</i> L. 204
8.	Delignification of Rice Straw with Ligninolytic Enzyme from Consortium of <i>Phanerochaete Chrysosporium</i> and <i>Pleurotus Ostreatus</i> 186
9.	Effect of Antifungal Activity of Rahmnolipid Biosurfactant on Growth and Pathogenicity of <i>Rhizoctonia solani</i> f.sp. <i>sasakii</i> Causing Banded Leaf & Sheath Blight in Maize 244
10.	Effect of Cold Stress and Various Mitigating Remedies on the Histology of Lymphoid Organs, Adrenal Gland and Jejunum of Broiler Chickens 347
11.	Chromatographic Analysis to Study Metabolic Variation of Lignan and Fatty Acids in the Oilseed Crop <i>Sesamum Indicum</i> L.
12.	A Study on the Development of Gluten Free Noodles Based on Rice and Corn Flour.
13.	<i>Fagopyrum esculentum</i> : Highly nutritious, gluten free pseudo-cereal for formulation of bread.

**Lunch Break**

**1:00 - 2:00 pm**

#### **Technical Session-5A ( Botany and microbiology )**

**Venue: Gandhi Bhawan Auditorium**

**Time : 2:00 – 3:00 pm**

**Chairperson: AB.Majid chalkoo Assoc. professor GDC Baramulla**

**Co-Chair: Dr. Hidayatullah, Department of Zoology, University of Kashmir**

**Rapporteur: Dr. Aijaz Hussain, Assistant Professor, Seed Technology, GDC, Anantnag**

#### **Oral Paper Presentations**

1.	Effect of Plant-Microbe Interactions on Growth and Pigment Accumulation in Saffron ( <i>Crocus sativus</i> L.)
2.	Host Defense Mechanism in Plants: Role of Chemical Inducers in Fruit Crops
3.	In-Vitro Interactions of <i>Trichoderma</i> Species and <i>Pleurotus Sajor-Caju</i> .
4.	Nephro-Protective activity of Aged garlic extract on Hypomagnesemia Induced Nephropathy in Rat Model
5.	Plant Resistance Mechanisms to Cold Stress
6.	Pollen-A Potential Method of Genetic Resources Conservation in Fruit Crops
7.	Taxonomic Characterization and Ethno-Mycology of Some Wild Mushrooms of District Anantnag, Kashmir, J&K

<b>Technical Session-5B ( Knowledge Management , Food Processing )</b>	
<b>Venue: Gandhi Bhawan Conference room</b>	
<b>Time : 2:00 – 3:00 pm</b>	
<b>Chairperson: Dr. Zahid Ashraf Wani sr. Asst. professor LIS University of Kashmir</b>	
<b>Co-Chair: Dr. Zaroor A. Baba, Assistant Professor ( Sr Scale), FOA, Wadura, SKUAST K</b>	
<b>Rapporteur: Dr. Aijaz Hussain, Assistant Professor, Seed Technology, GDC, Anantnag</b>	
<b>Oral Paper Presentations</b>	
1.	Effect of fortification with pomegranate peel powder on antioxidant, sensory and textural properties of <i>dahi</i>
2.	Proximate composition and protein fractionation of Niger and Sunflower seeds
3.	Fortification strategies for improving Fe content in crop plants
4.	Agriculture Extension Communication and the role of Media –A comparative case study of Print and Electronic Media in Kashmir
5.	Analytical Study of the Open Access Agriculture, Food and Veterinary Digital Repositories
6.	Gauging and divulging the video-lectures hosted by Consortium for Educational Communication in the subject field of Agro-Chemical and Pest Control (B.sc)
7.	ICT in Agriculture
8.	Role of Bioinformatics in Modeling Biological Processes at Molecular Level
9.	Adoption of Recommended Practices after Watching Video Films by the Farmers in Punjab
10.	Traditional Methods of Storing Vegetables: Exploring Indigenous Technical Knowledge from the Cold Desert of Ladakh, India

<b>Technical Session-5 C ( disease and pest management , Knowledge Management )</b>	
<b>Venue: Gandhi Bhawan Lawns</b>	
<b>Time : 2:00 – 3:00 pm</b>	
<b>Chairperson: Dr. Poonam Sharma, Associate Professor, SKUAST K</b>	
<b>Co-Chair: Mohammad Sulaiman Dar, Assistant Professor</b>	
<b>Rapporteur :Dr. Asif Hussain Sofi, Assistant Professor Shuhama, SKUAST</b>	
<b>Poster Presentations</b>	
1.	Innovative technology of Crop improvement in the 21st century
2.	Optimizing The Search Operations And Data Extraction Using Graph Database
3.	ICT: A Path Towards Modernization and Technology Building Among Farmers
4.	Importance of Indigenous Technical Knowledge in Agriculture
5.	Knowledge Management in Agriculture
6.	Nano Pesticides: A New Frontier in Agriculture
7.	Parasitic Zoonoses in Jammu and Kashmir: A review
8.	Phytochemical Screening and the Toxic Effect of Azadirachta Indica, Zingerber Offiianalis and Annona Squamosa Against White Fly, Bemisia Tabaci.
9.	Scenario of Insect Pests Under Changing Climatic Situations
10.	Screening of Onion Genotypes against Purple Blotch in Cold Arid Region

11.	Seasonal Histopathological Alterations Caused by Pomphorhynchus Kashmirensis in Schizothorax Niger of Kashmir Valley
12.	Significance of Crop Simulation Models in Predicting the Incidence of Pests in Agricultural Crops
13.	Effect of Host Density on Oviposition Behaviour of <i>Trioxys Pallidus</i> (Hymenoptera: Braconidae)
14.	Efficacy of botanical insecticides against pod borer ( <i>Maruca vitrata</i> ) on Cowpea ( <i>Vigna unguiculata</i> )
15.	Effect of Potassium Bicarbonate, Sodium Bicarbonate and Potassium Phosphate on <i>Alternaria</i> Leaf Blotch of Apple Under In Vitro Conditions on Ambri Apple.
16.	Egg Parasitism Caused by <i>Trichogramma spp.</i> against Aaize Stem Borer, <i>Chilo partellus</i> .
17.	First Report of <i>Pieris brassicae</i> Granulosis Virus in natural population of <i>Pieris brassicae</i> Larvae in Jammu region.
18.	New Frontiers in Disease and Pest Management
19.	THE STERILE INSECT TECHNIQUE, AN ENVIRONMENTALLY-FRIENDLY INSECT PEST CONTROL.

Tea Break

3:00 - 3:15 pm

<b>Technical Session-6A ( Agriculture –III )</b>	
<b>Venue: Gandhi Bhawan Auditorium</b>	<b>Time : 3:15 – 4:15 pm</b>
<b>Chairperson: AB.Majid chalkoo Assoc. professor GDC Baramulla</b>	
<b>Co-Chair: Dr. Hidayatullah, Department of Zoology, University of Kashmir</b>	
<b>Rapporteur: Dr. Aijaz Hussain, Assistant Professor, Seed Technology, GDC, Anantnag</b>	
<b>Oral Paper Presentations</b>	
1.	Extrafloral nectaries and its impact on reproductive efficiency of two species of <i>Luffa</i> Mill.
2.	Effect of <i>Tribulus Terrestris</i> Herb on <i>In Vitro</i> Nutrient Degradability and Fermentation Attributes of Paddy Straw-Based Total Mixed Ration
3.	Characterization of <i>Fusarium</i> species causing Bakanae disease of rice
4.	Effect of Foliar Nutrients Spray on Spring Hybrid Sunflower in Gangetic Alluvial Soils of West Bengal*
5.	Effect of Exogenous Auxin Application on Fruit Cracking In Litchi ( <i>Litichi Chinensis Sonn.</i> ) Cv. Dehradun Under Field Conditions of Jammu Province J&K 182311

**Technical Session-6B ( Animal husbandry )****Venue: Gandhi Bhawan conference room****Time : 3:15 – 4:15 pm****Chairperson: Professor M. Maqbool Darzi, HOD, Veterinary Pathology, Shuhama, SKUAST K****Co chairman : Adil Ahmad Librarian GDC Baramulla****Rapporteur: Amir Hussain, Assistant Professor, Department of Botany, GDC, Anantna****Oral Paper Presentations**

1.	A Study on Awareness about Zoonotic Diseases Among Livestock Farmers in 2014 Flood Affected Areas of Kashmir Division in J&K State
2.	Surgical management of cherry eye in canines
3.	Effect of Feed Withdrawal (8 Hours) on Performance of Broiler Chicken
4.	Performance of Kashmir Merino Lambs Grazing on The Sub-Alpine Pastures of Kashmir Himalayas
5.	Animal hostel :a futurist model to Indian dairy farming
6.	Comparison of Radiographic and Rumenotomy Findings in Animals Suffering from Traumatic Reticuloperitonitis
7.	Comparative Efficacy of Novel Synthetic Peptides and Listeriolysin O-based ELISA for Rapid & Reliable serodiagnosis of Listeric Infections in Ovine Population.
8.	Histopathological Study of the Effect of Antioxidants Present in 5% Ethanolic and Aqueous Extracts of <i>Salix Acrophylla</i> on Skin Wounds in Rabbits.
9.	Histopathological Alterations in Adrenal Gland in Various Concurrent Infections of Poultry of Kashmir Valley.
10.	Effect of Non-Genetic Factors on Growth and Fitness Traits in Corriedale Sheep

<b>Technical Session-7A ( Biotechnology and genetic engineering )</b>	
<b>Venue: Gandhi Bhawan Auditorium</b>	
<b>Time : 10:00 – 11:15 am</b>	
<b>Chairperson: Professor Sarfaraz Ahmad Wani, Ex Dean and C. O. E, SKUAST K</b>	
<b>Co-Chair: Shah Ubaidullah Asst. prof. GDC Baramulla</b>	
<b>Rapporteur: Dr . Babar Ahmad, Assistant Professor, Department of Botany, GDC, Anantnag</b>	
<b>Oral Paper Presentations</b>	
1.	Biotechnological Interventions for Mining of Pathogenicity Genes in Fungi
2.	Biotechnology in Animal Production in Developing Countries
3.	Breed Clustering Analysis of Six Indian Cattle Breeds Using Genome-Wide Snp Data
4.	Chromosomal Stability of Feline Cultivated Adipose Derived-Mesenchymal Stem Cells for Clinical Application
5.	Comparative Efficacy of mRBPT, STAT, dot-ELISA, Plate-ELISA and PCR For diagnosis of Brucellosis in Goats
6.	Comparative evaluation of two lytic bacteriophages in biofilm disruption of pathogenic Staphylococcus aureus isolated from bovine mastitis using confocal microscopy
7.	DNA Barcoding _ Significance and Future Prospects in Pest Management And Biological Control
8.	Effect of Non-Genetic Factors on First Lactation Production and Reproduction Traits in Frieswal Cattle.
9.	Exploiting heterotic groups through reciprocal selection for combining ability to improve the performance of cotton hybrids (Gossypium hirsutum L.)
10.	Exploiting Wild Relatives for Genomics-Assisted Breeding in Walnut
<b>Technical Session-7B (Policies and Economics of Profitable Agriculture.)</b>	
<b>Venue: Gandhi Bhawan conference room</b>	
<b>Time : 10:00 – 11:15 pm</b>	
<b>Chairperson: Professor M. Maqbool Darzi, HOD, Veterinary Pathology, SKUAST K</b>	
<b>Co-Chair: Dr. Azmat Aalum, Professor Division of LPM, Shuhama, SKUAST K</b>	
<b>Rapporteur: Dr. Bilal A. Wani, Assistant Professor, Department of Seed Technology, GDC, Anantnag</b>	
<b>Oral Paper Presentations</b>	
1.	Purchasing Intentions of Luxury Brands Among Indian Consumers
2.	Evaluation of the Dyeing Potential of Natural Dye with a Combination of Natural Mordants
3.	Horti-Poultry Model of SKUAST-K, A Novel Concept For Doubling Farmers Income
4.	Impact of Glyphodes pyloalis Walker (Pyrilidae: Lepidoptera) infested leaves on the economic and nutritional parameters of silkworm hybrid (NB4D2 X SH6) B. mori L. During autumn season
5.	Impact of Vocational Training Programmes on Income of The Rural Youths of Hilly Areas of Jammu & Kashmir, India
6.	Length - weight relationship and condition factor in different age groups of hill stream fish Garra gotyla gotyla (Gray) from different tributaries of river Tawi, Jammu and Kashmir.
7.	Marketing Potential of Floriculture in Kashmir as A Tourism Product: An AgriBusiness Management Study on Tulip Garden Srinagar
8.	Ohmic Heating of Aloe Vera Juice: Design, Construction and Performance of Ohmic Heater
9.	Performance of Narmada Nidhi and Kadaknath Birds in Extensive System of Farming
10.	Priority Sector Financing By Public, Private and Cooperative Banks In Karnataka –A Comparative Analysis 2016



**Technical Session-7C ( Biotechnology and genetic engineering I )****Venue: Gandhi Bhawan Lawns****Time : 10:00 – 11:15 am****Chairperson:: Dr Rehana Habib Kant, Division of Agronomy , FOA, Wadura, SKUAST K  
Co chairman : Dr. Nasir Hamid Masoodi, Assistant Professor, Division of Floriculture & Landscape Artitecture, SKUAST K****Rapporteur : Bahar Ahmad, Assistant Professor, Department of Botany, GDC, Anantnag****Poster Presentations**

1.	Genetic Dissection for Key Traits in Cowpea ( <i>Vigna unguiculata</i> –L.Walp.) Grown in North-western Himalayas of State Jammu and Kashmir
2.	Genetic Divergence and Phenotypic Stability Across the Cutting Environments in Lucerne ( <i>Medicago Sativa</i> L.)
3.	Genetic transformation: A tool for management of abiotic stress in horticultural crops 289
4.	Is Expression of Schizophrenia in North-Indian Population Associated with (CTG)(n) Repeat Alleles in NOTCH4 Gene???
5.	Novel Binding-partners Interacting with Alpha-1- Syntrophin (SNTA1) Protein In Human Breast Cancer Cell Lines
6.	Preparation and Characterization of HPA-MMT Composite as a Mild Recyclable Catalyst
7.	Recent Advances in Genetic Engineering & Biotechnology for Improvement of Fruit Crops
8.	Recent Advances in Molecular Breeding in Citrus- A Review
9.	Short term low temperature stress elicits changes in osmolyte accumulation, antioxidant gene expression and trehalose metabolism in Cold Tolerant maize ( <i>Zea mays</i> L.) from Kashmir Himalaya
10.	Studies on breeding and meiotic sytems of two sexually receding <i>Artemisia</i> L. species.
11.	Study on Effect of Different Non-Genetic Factors on Production and Reproduction Traits in Sahiwal Cow
12.	Study the Effect of Time and Temperature on Pectin Yield Using Hydrochloric Acid for Extraction 1
13.	Association mapping for study of marker trait association in chickpea germplasm
14.	Gene Expression Profiles Involved in Development of Freezing Tolerance in Common Wheat
15.	Molecular Based Genetic Modifiatiion of Insects forvPest Management
16.	Molecular Characterization of Cowpea ( <i>Vigna unguiculata</i> (L.)Walp.) Germplasm for Yellow Mosaic Virus (CYMV) Resistance in Northwestern Himalayas of State Jammu and Kashmir
17.	Molecular Cloning and Expression of Epsilon-Toxin Gene of <i>Clostridium perfringens</i> type D
18.	Molecular Markers Based Identifiatiion of Fertility Restoring Genes in Rice

**Tea Break****11:15 - 11:30 am**

<b>Technical Session-8A ( Biotechnology and Genetic engineering )</b>	
<b>Venue: Gandhi Bhawan Auditorium</b>	<b>Time : 11:30 – 1:00 pm</b>
<b>Chairperson: Professor M. Maqbool Darzi, HOD, Veterinary Pathology, , SKUAST K</b>	
<b>Co-Chair:: Dr. Azmat Aalum, Professor Division of LPM, FOVSc and AH, SKUAST K</b>	
<b>Rapporteur: Amir Hussain, Assistant Professor, Department of Botany, GDC, Anantnag</b>	
<b>Oral Paper Presentations</b>	
1.	Expression Analysis of Maize gene(s) during Bipolaris Maydis Infection, Assessing their Role in Disease Resistance and Symptom Development
2.	First Report of Structural And Numerical Chromosomal Anomalies in Pollen Mother Cells of Trichosanthes Cucumerina Var. Anguina L. and its Consequences
3.	Genetic Analysis and Stability of Yield and its Components Under Different Environments In Lathyrus (Lathyrus Sativus L.)
4.	Polyploidy as an Important Tool Exploited by <i>Artemisia Nilagirica</i> (C.B. Clarke) Pamp. to Expand its Populations In North-West Himalayas of J&K, India
5.	Evaluation of Wheat (T. Aestivum L.) Genotypes Under Organic Conditions
6.	Characterisation of Various Maize ( <i>Zea mays</i> . L) Genotypes for Water Stress (Drought) related traits.
7.	Study of Diversity and Marker Trait Association for Root Traits in Indian Wheat ( <i>Triticum Aestivum</i> L.)
8.	Wheat (Triticum aestivum L.) Germplasm Characterization for Nutritional, Yield and Yield Contributing Traits
<b>Technical Session-8B ( Policies and Economics of Profitable Agriculture.)</b>	
<b>Venue: Gandhi Bhawan Conference Room</b>	<b>Time : 11:30 – 1:00 pm</b>
<b>Chairperson: Dr. Poonam Sharma, Associate Professor, Division of Food Science and Technology, SKUAST K</b>	
<b>Co-Chair: Mohammad Sulaiman Dar, Assistant Professor ( Sr Scale ), Department of Botany, GDC, Anantnag</b>	
<b>Rapporteur: Dr. Asif Hussain Sofi, Assistant Professor ( Sr Scale , Division of LPT, FOVSC &amp; AH, Shuhama, SKUAST K  </b>	
<b>Oral Paper Presentations</b>	
1.	Appraisal of Paper Making Potential of Selected Non-Wood Species of Lesser Himalayas of Kashmir Valley Employing Alkaline Peroxide Pulping.
2.	Problems and Prospects of Saffron Marketing in Kashmir Valley
3.	Problems and Prospects of the Saffron Industry
4.	Time Motion Study and Man Power Utilization in Chaffig and Distribution of Fodder in an Organized Dairy Farm
5.	Value Addition in Livestock Product for Socio- Economic Upliftment

<b>Technical Session-8C ( Policies and Economics of Profitable Agriculture.)</b>	
<b>Venue: Gandhi Bhawan Lawns</b>	
<b>Time : 11:30 – 1:00 pm</b>	
<b>Chairperson: Professor M. A. Paul, HOD, FOVSC &amp; AH, SHUHAMA, SKUAST K</b>	
<b>Co-Chair: Dr. Altaf Hussain, Assistant Professor, Department of Zoology, University of Kashmir</b>	
<b>Rapporteur: Aamir Hussain, Assistant Professor, GDC, Anantnag</b>	
<b>Poster Paper Presentations</b>	
1.	A Study on Socio-Economic Status of Gujjars And Bakerwals of Jammu Division 319
2.	Biodiversity: Scenario and Food security 277
3.	Determinants of Technical Efficiency in Saffron Growing Farms of District Pulwama: Post National Saffron Mission Scenario
4.	Development of Phoenix sylvestris-based Agroforestry Models for Livelihood Security in Semi Arid Region of India
5.	Doubling The Farmers' Income Through Integrated Farming System
6.	Dynamics of Agriculture Sector in Jammu & Kashmir State: The Time Series Analysis
7.	Evaluation of Front Line Demonstration Trials on Yield and Economics of Pigeon Pea in Trial Area of Mandla District of Madhya Pradesh
8.	* An overview of national food security mission in jammu and kashmir
9.	Agricultural marketing management strategies for sustainable farming
10.	A review of market led extension; issues challenges and way forward.

<b>Valedictory Session</b>	
<b>Time: 2 pm -- 4 pm</b>	
<b>Venue : Gandhi Bhawan auditorium</b>	
<b>Welcome Address</b>	<b>Dr. Bilal Ahmad Wani</b> Co-organising secretary
<b>Conference report</b>	<b>Dr. F. A. Mattoo</b> Dean SDS college of Animal science Haryana
<b>Concluding remarks</b>	<b>Peer Qammer- ud-Din Shah n</b> Chairman NADCL
	<b>Syed Altaf Aijaz Andrabi</b> Director Agriculture Kashmir
	<b>Dr. Mohammand Sharief</b> Director Sheep Husbandry Department Kashmir
<b>Valedictory address</b>	<b>Prof: Zaffar Ahmad Reshi</b> Dean Research Kashmir University
<b>Vote of Thanks</b>	<b>Adil Ahmad</b> Organising secretary
<b>Distribution of awards and certificates</b>	