



# 6<sup>th</sup> JK Science Congress

DECEMBER 02 – 04, 2010

ORGANISED BY  
**UNIVERSITY OF  
KASHMIR**



In collaboration with:

- J&K State Council for Science and Technology, Govt. of J&K
- Department of Science & Technology, GOI
- Jammu & Kashmir Academy of Sciences

## Schedule of Activities

Patron

Prof. (Dr.) Riyaz Punjabi  
Vice- Chancellor, University of Kashmir

Convener

Prof. A. R. Yousuf  
Dean Academic Affairs, University of Kashmir



V e n u e : U n i v e r s i t y o f K a s h m i r

**PROGRAMME****Day 1: Thursday, December 02, 2010**

Registration and Collection of Conference Material	9.00 to 10.30 a.m. (Centre of Research for Development, Naseem Bagh Campus)
---	---

**INAUGURAL FUNCTION (Venue: Convocation Complex, University of Kashmir)**

Reception of Dignitaries	Reception Committee	10.30 a.m.
University Tarana	EMMRC, Kashmir University	11.00 a.m.
Welcome Address	<i>Prof. A. R. Yousuf</i>	11.10 a.m.
Addresses by Guest of Honour	<i>Jenab Aga Syed Ruhullah Mehdi</i> Hon'ble Minister for Science & Technology, J&K State	11.20 a.m.
Award Distribution	"Young Scientist Award-2009" of J&K State Council for Science & Technology	11.30 a.m.
Inaugural Address by Chief Guest	<i>Jenab Abdul Gani Malik</i> Hon'ble Minister for Higher Education, J&K State	11.50 a.m.
Presidential Address by Chairman	<i>Prof. (Dr.) Riyaz Punjabi</i> Vice-Chancellor, University of Kashmir	12.05 p.m.
Vote of Thanks	<i>Prof. S. Fayyaz Ahmad</i> , Registrar University of Kashmir	12.20 p.m.

Tea Break: 12.30 p.m.

Plenary Lecture at 1.00 p.m. by Prof. A. G. Ahanger, on "Heart Valve Replacement through Minimal Access Surgery"

Lunch Break: 2.00 p.m. to 3.00 p.m.

Schedule of Sessions:

<b>Technical Session 1</b>	Thursday 2 <sup>nd</sup> Dec. 2010	3.00 p.m. to 5.30 p.m.
<b>Technical Session 2</b>	Friday 3 <sup>rd</sup> Dec. 2010	10.00 a.m. to 1.00 p.m.
Lunch/Prayer Break	Friday 3 <sup>rd</sup> Dec. 2010	1.00 p.m. to 2.30 p.m.
<b>Technical Session 3</b>	Friday 3 <sup>rd</sup> Dec. 2010	2.30 p.m. to 5.30 p.m.
<b>Technical Session 4</b>	Saturday 4 <sup>th</sup> Dec. 2010	10.00 a.m. to 1.30 p.m.
Lunch Break	Saturday 4 <sup>th</sup> Dec. 2010	1.30 p.m. to 3.00 p.m.
<b>Valedictory Session</b>	Saturday 4 <sup>th</sup> Dec. 2010	3.00 p.m. to 5.00 p.m.

Note: 10 minutes Tea/Coffee Break will be provided during each Technical Session.



### Venue-Wise Schedule of Five Sections

Section I	Agriculture & Engineering Sciences	Gandhi Bhawan, Conference Room
Section II	Earth, Environment & Home Sciences	Ibn-i-Khaldoon Auditorium
Section III	Life Sciences	Distance Education Auditorium
Section IV	Applied/Molecular Biology, Pharmaceutical & Medical Sciences	Business School Auditorium
Section V	Chemical, Mathematical & Physical Sciences	CCAS Auditorium

### SECTIONAL INCHARGES

I.	<b>Agriculture &amp; Engineering Sciences</b>	Prof. A. R. Trag & Prof. M. H. Balkhi
II.	<b>Earth, Environment &amp; Home Science</b>	Prof. M. I. Bhat & Prof. A. N. Kamili
III.	<b>Life Science</b>	Prof. R. C. Bhagat & Prof. G. Mustafa Shah
IV.	<b>Applied/Molecular Biology, Pharmaceutical &amp; Medical Sciences</b>	Prof. M. Y. Shah & Prof. K. I. Andrabi
V.	<b>Chemical, Mathematical &amp; Physical Sciences</b>	Prof. M. A. Sofi & Prof. N. A. Shah

#### Section I: Agricultural & Engineering Sciences (Gandhi Bhawan, Conference Room)

Session 1: Agriculture – I (AGS-1 to AGS-30)	Chair: Prof. N. A. Zeerak Rapporteur: Dr. Gul Zafar	Thursday 2 <sup>nd</sup> December 2010 3.00 p.m. to 5.30 p.m.
Session 2: Agriculture – II (AGS-31 to AGS-60)	Chair: Dr. F. A. Banday Rapporteur: Dr. M. Y. Gani	Friday 3 <sup>rd</sup> December 2010 10.00 a.m. to 1.00 p.m.
Session 3: Agriculture – III (AGS-61 to AGS-91)	Chair: Dr. Nazir Ahmad Khan Rapporteur: Dr. Mir Sallahudin	Friday 3 <sup>rd</sup> December 2010 2.30 p.m. to 5.30 p.m.
Session 4: Sericulture (SER-1 to SER-5) & Engineering Sciences (ENGS-1 to ENGS-12)	Chair: Dr. A. S. Kamili Rapporteur: Dr. G. M. Mir	Saturday 4 <sup>th</sup> December 2010 10.00 a.m. to 1.30 p.m.

#### Section II: Earth, Environment & Home Sciences (Ibn-i-Khaldoon Auditorium)

Session 1: Earth Science GE-1 to GE-13; GEO-1 TO GEO-6	Chair: Prof. Rais Akhtar Rapporteur: Dr. Bikram Singh	Thursday 2 <sup>nd</sup> December 2010 3.00 p.m. to 5.30 p.m.
Session 2: Environmental Science ES-1 to ES-25	Chair: Prof. R. C. Sharma Rapporteur: Dr. R. Chandra	Friday 3 <sup>rd</sup> December 2010 10.00 a.m. to 1.00 p.m.
Session 3: Home Science HS-1 to HS-16	Chair: Prof. A. S. Bawa Rapporteur: Dr. Nahid Vaida	Friday 3 <sup>rd</sup> December 2010 2.30 p.m. to 5.30 p.m.
Session 4: Environmental Science ES-26 to ES-44	Chair: Er. R. K. Khanna Rapporteur: Dr. Arshid Jahangir	Saturday 4 <sup>th</sup> December 2010 10.00 a.m. to 1.30 p.m.

**Section III: Life Science (Distance Education Auditorium)**

<b>Session 1: Botany I</b> BO-1 to BO-28	<b>Chair: Prof. Z. A. Rishi</b> <b>Rapporteur: Dr. A. H. Wani</b>	<b>Thursday 2<sup>nd</sup> December 2010</b> <b>3.00 p.m. to 5.30 p.m.</b>
<b>Session 2: Zoology I</b> ZO-1 to ZO-33	<b>Chair: Prof. R. C. Gupta</b> <b>Rapporteur: Dr. M. N. Azim</b>	<b>Friday 3<sup>rd</sup> December 2010</b> <b>10.00 a.m. to 1.00 p.m.</b>
<b>Session 3: Botany II</b> BOT-29 to BOT-55	<b>Chair: Dr. P. S. Ahuja</b> <b>Rapporteur: Dr. Z. A. Kaloo</b>	<b>Friday 3<sup>rd</sup> December 2010</b> <b>2.30 p.m. to 5.30 p.m.</b>
<b>Session 4: Zoology II</b> ZO-34 to ZO-65	<b>Chair: Prof. M. Z. Chishti</b> <b>Rapporteur: Dr. Ulfat Jan</b>	<b>Saturday 4<sup>th</sup> December 2010</b> <b>10.00 a.m. to 1.30 p.m.</b>

**Section IV: Applied/Molecular Biology, Pharmaceutical & Medical Sciences (Business School Auditorium)**

<b>Session 1: Biochemistry</b> BC-1 to BC-23	<b>Chair: Prof. S. Mudassir</b> <b>Rapporteur: Dr. B. A. Ganai</b>	<b>Thursday 2<sup>nd</sup> December 2010</b> <b>3.00 p.m. to 5.30 p.m.</b>
<b>Session 2: Pharmaceutical Science</b> PHAR-1 to PHAR-26	<b>Chair: Prof. M. Y. Shah</b> <b>Rapporteur: Dr. Zulfikar A. Bhat</b>	<b>Friday 3<sup>rd</sup> December 2010</b> <b>10.00 a.m. to 1.00 p.m.</b>
<b>Session 3: Medical Science</b> MS-1 to MS-17	<b>Chair: Prof. A. G. Ahanger</b> <b>Rapporteur: Dr. M. A. Ganai</b>	<b>Friday 3<sup>rd</sup> December 2010</b> <b>2.30 p.m. to 5.30 p.m.</b>
<b>Session 4: Biotechnology</b> BT-1 to BT-18 and MB-1 to MB-4	<b>Chair: Prof. Manoj K. Dhar</b> <b>Rapporteur: Dr. Rais Qadri</b>	<b>Saturday 4<sup>th</sup> December 2010</b> <b>10.00 a.m. to 1.30 p.m.</b>

**Section V: Chemical, Mathematical & Physical Sciences (CCAS Auditorium)**

<b>Session 1: Chemical Science</b> CH-1 to CH-33	<b>Chair: Prof. K.U.Z. Khan</b> <b>Rapporteur: Dr. G. M. Peerzada</b>	<b>Thursday 2<sup>nd</sup> December 2010</b> <b>3.00 p.m. to 5.30 p.m.</b>
<b>Session 2: Computer &amp; Electronics</b> CS-1 to CS-30 and ELX-1 to ELX-16	<b>Chair: Prof. Hardeep Singh</b> <b>Rapporteur: Mr. M. Tariq Bandy</b>	<b>Friday 3<sup>rd</sup> December 2010</b> <b>10.00 a.m. to 1.00 p.m.</b>
<b>Session 3: Mathematics &amp; Statistics</b> MT-1 to MT-8 and ST-1 to ST-7	<b>Chair: Prof. Aziz-ul-Azim</b> <b>Rapporteur: Dr. Anwar Hassan</b>	<b>Friday 3<sup>rd</sup> December 2010</b> <b>2.30 p.m. to 5.30 p.m.</b>
<b>Session 4: Physical Science</b> PHY-1 to PHY-11	<b>Chair: Prof. Farooq Ahmed</b> <b>Rapporteur: Dr. Shakil A. Simnani</b>	<b>Saturday 4<sup>th</sup> December 2010</b> <b>10.00 a.m. to 1.30 p.m.</b>



## Section I: Agricultural & ENGINEERING Sciences

(Venue: Gandhi Bhawan, Conference Room)

<b>Session 1: Agriculture – I</b> (AGS-1 to AGS-30)	<b>Chair: Dr. B. A. Khanday</b> <b>Rapporteur: Dr. N. A. Zeerak</b>	<b>Thursday 2<sup>nd</sup> Dec. 2010</b> <b>3.00 p.m. to 5.30 p.m.</b>
--	--	---

**Lead Lecture: Prof. A. K. Srivastava**

Sr.	Abt. No.	Author/s	Title of Paper	Page	Mode
1.	AGS-1	Uzma Bashir, Tahir Ali, Q. Fozia, Rifat Ara and S. A. Bangroo	Bioremediation of Contaminated Soils	1	Oral
2.	AGS-2	Sajad A. Bhat, Sumati Narayan, F. A. Khan, Hafiza Ahsan, Faheema Mushtaq and Imtiyaz A. Zargar	Response of Brinjal ( <i>Solanum melongena</i> L.) to Various Organic Manures and their Combinations	2	Oral
3.	AGS-3	Sageera Showkat, Arif Ali and Imtiyaz Murtaza	Molecular Characterization of <i>Pseudomonas fluorescens</i> as a Potent Biocontrol Agent	3	Oral
4.	AGS-4	Purshotam Singh, Parmeet Singh, Narinder Panotra, Sandeep Kumar, K. N. Singh and Rihana Kant	Morpho-phenology of Different Rice ( <i>Oryza sativa</i> L.) Cultivar under different Transplanting Dates in Temperate Kashmir	3	Oral
5.	AGS-5	Asima Amin	<i>In-situ</i> , <i>Ex-situ</i> and <i>In vitro</i> Conservation and Germplasm Maintenance	4	Oral
6.	AGS-6	M. Jamal Ahmad and S. Bilal Ahmed	Dynamics of Aphidiid Parasitoid, <i>Dieretiella rape</i> (Hymenoptera: Aphidiidae) and its Hyper Parasitoid against Mustard Aphid, <i>Lipaphis erysimi</i> at Shalimar, Srinagar	4	Oral
7.	AGS-7	Sameena Chalkoo, Sabina Akhtar and Devendra Kumar	Nutritional Value of the Potato	5	Poster
8.	AGS-8	Sameena Chalkoo, Sabina Akhtar and Devendra Kumar	Proline Content and Cell Membrane Thermostability as Promising Tests for Evaluation of Potatoes Exposed to Heat Stress	6	Poster
9.	AGS-9	P. R. Hussain, R. S. Meena, M. A. Dar and A. M. Wani	Optimizing Gamma Irradiation Treatment of Dried Apricots ( <i>Prunus armeniaca</i> L.) for Quality Maintenance and Quarantine Purposes	7	Oral
10.	AGS-10	Imtiyaz Murtaza, Hafiza Ahsan and Omi Laila	Development of Database for Antioxidant Potential of Stone Fruits: A preliminary Study	8	Oral
11.	AGS-11	Anwar Hussain and Imtiyaz Murtaza	Fenugreek ( <i>Trigonella foenum graecum</i> L.) Sprouts as an Antidiabetic Functional Food	9	Oral
12.	AGS-12	Mohammad Muslim, Shakil Ahmad Romshoo and A. Q. Rather	Using RS-Products for Mapping and Studying Agricultural Land Use Systems	9	Oral
13.	AGS-13	Reena Gupta, Arti Guhey and Ishtiyahq Ahad	Physiological Behavior of Rice Germplasm Lines under Rainfed Condition	10	Oral
14.	AGS-14	A. A. Balkhi, G. M. Mir and N. A. Lala	Adaptation of Multi Crop Solar Dryer	11	Oral
15.	AGS-15	G. M. Mir, N. A. Shah and Moinuddin	Handoff an Important Tool in Mobile Communication	11	Oral
16.	AGS-16	A. A. Balkhi, G. M. Mir and N. A. Lala	Polyhouse for Fresh Vegetables	11	Oral
17.	AGS-17	Abdul Rashid War, M. Gabriel Paulraj, S. Ignacimuthu and H. C. Sharma	Jasmonic Acid - Mediated Induced Resistance in Groundnut ( <i>Arachis hypogaea</i> L.) against <i>Helicoverpa armigera</i> (Hubner) (Lepidoptera: Noctuidae)	12	Oral
18.	AGS-18	Amjad M. Husaini, G. S. Sanghera, G. A. Parray, S. Kashyap and A. G. Rather	Varietal Improvement through Hybridization between VL Dhan Type Rice Varieties and Valley Temperate Rice Varieties of	13	Poster



			Kashmir		
19.	AGS-19	Amjad M. Husaini, Z. A. Bhat, G. S. Sanghera, A. G. Rather, G. N. Bhat and G. A. Parray	Development of Blast Resistant Rice Genotypes for Valley Temperate Conditions through Hybridization - an Initiative	13	Poster
20.	AGS-20	Zahoor Ahmed, M. Q. Sheikh, M. A. A. Siddique, A. Singh and S. I. Rehman	Impact of Plant Growth Regulators on Vegetative Growth and Floral Attributes of Tulip ( <i>Tulipa gesneriana</i> Linn.)	14	Oral
21.	AGS-21	Nageena Nazir, A. H. Mir, Gazala Nazir and Showkat Maqbool	The Effect of Different Locations on Yield of Potato ( <i>Solanum tuberosum</i> )	14	Oral
22.	AGS-22	I. Umar, V. K. Wali, M. U. Rehman, M. M. Mir, S. A. Banday, G. H. Rather, S. A. Haji and I. A. Bisati	Impact of FYM, Urea and Azotobacter on Some Qualitative and Quantitative Characteristics of Strawberry Cv. Chandler	15	Poster
23.	AGS-23	Sheraz Mahdi, G. I. Hassan, L. Singh and B. Zehra	Role of Bio-fertilizers in Sustainable Crop Production	16	Oral
24.	AGS-24	Syed Gh. Jeelani and Shakeel Ahamad Shah	Status of Available Nutrients in Relation to Chemical Properties in some Bench Marked Soils of Jammu and Kashmir	17	Poster
25.	AGS-25	Asif Mohd Iqbal	Genetic Studies in Relation to Yield and Quality Traits in Rajmash ( <i>Phaseolus vulgaris</i> L.)	17	Oral
26.	AGS-26	Salwee Yasmin, F. A. Nehvi, Jyoti Sethi and Aijaz Ahmed	<i>In vitro</i> Surface Sterilization for Field Pea	18	Oral
27.	AGS-27	Salwee Yasmin and F. A. Nehvi	Standardization of Explant Surface Sterilization Technique for Micropropagation in Kalazeera	19	Oral
28.	AGS-28	Salwee Yasmin, F. A. Nehvi and M. I. Maqdoomi	BT Maize: Prospects and Problems	20	Oral
29.	AGS-29	Hillal Ahmad, N. A. Masoodi, Altamash Bashir and Mumtaz Majeed	Bio-Diesel - An Alternative Source of Energy from Tree Borne Oilseeds	21	Oral
30.	AGS-30	Baseerat Afroza, S. H. Khan, K. Parveen and K. Hussain	Detection and Elimination of Viruses in Potato	22	Poster



<b>Session 2: Agriculture – II</b> (AGS-31 to AGS-60)	<b>Chair: Dr. F. A. Zaki</b> <b>Rapporteur: Dr. A. Q. Rather</b>	<b>Friday 3<sup>rd</sup> December 2010</b> <b>10.00 a.m. to 1.00 p.m.</b>
--	---	--

Sr.	Abt. No.	Author/s	Title of Paper	Page	Mode
1.	AGS-31	Baseerat Afroza, S. H. Khan, N. Jabeen and M. A. Chattoo	Path analysis in Cauliflower ( <i>Brassica oleracea</i> var. <i>botrytis</i> L.)	22	Poster
2.	AGS-32	Baseerat Afroza, S. H. Khan and K. Hussain	Conservation of Vegetable Genetic Resources	23	Poster
3.	AGS-33	Baseerat Afroza, Faheema Mushtaq, Rakshanda Bhat and Shahnaz Mufti	Crop Simulation Models	23	Poster
4.	AGS-34	Gulzar Ahmed, Baseerat Afroza and K. Parveen	Performance of Some Bitter Gourd Genotypes under Kashmir Valley Conditions	24	Poster
5.	AGS-35	Z. A. Baba and M. Y. Zargar	Performance of Vesicular Arbuscular Mycorrhizae under Different Levels of Phosphorus in Strawberry ( <i>Fragaria ananassa</i> , Duch)	25	Oral
6.	AGS-36	Javeed A. Rather, Shabir H. Wani, K. K. Shrivastava and S. K. Bhat	Effect of Girdling, Thinning and GA3 on Fruit Quality and Shelf Life of Grape ( <i>Vitis vinifera</i> ) Cv. Perlette	25	Poster
7.	AGS-37	S. A. Banday, F. A. Banday, U. Iqbal, M.	Influence of Growth Regulators and Tree Manipulation on	26	Poster



		M. Mir and N. Nazir	Bienniality of Apple cv. Red Delicious		
8.	AGS-38	Aroosa Khalil, F. A. Banday, M. Y. Bhat, M. Feza Ahmad, N. Nazir, S. Hayat and S. Banday	Thinning - an Important Orchard Management Practice in <i>Santa rosa</i> Plum to Mitigate the effects of Climate Change	27	Poster
9.	AGS-39	R. Kour, M. S. Rathore, Y. Srinivasulu, Anil Dhar and M. A. Khan	Effect of Am Fungi on Mulberry Saplings at Nursery Stage under Temperate Conditions	28	Oral
10.	AGS-40	M. S. Rathore, Y. Srinivasulu, R. Kour, Anil Dhar and M. A. Khan	Soil and Nutrient Management in Mulberry under Temperate Conditions of Kashmir	28	Oral
11.	AGS-41	Misba Farooq and Imtiaz A. Zargar	Development and Quality Evaluation of Apple-Banana Based Fruit Bar	29	Oral
12.	AGS-42	Shabir Ahmad, Nayar A. Kirmani and Manzoor Ahmad	Sulphur and Magnesium Impact on Yield and their Content in Mustard ( <i>Brassica juncea</i> L.)	29	Oral
13.	AGS-43	Hidayat-ullah Mir, D. S. Dahiya, Neelam Yadav, Hamidullah Itoo and Rizavan Rashid	Micropropagation of Japanese Plum cv. Titron	30	Oral
14.	AGS-44	Fayaz A. Bahar, Zahida Rashid and Amjad Masood	Effect of Foliar Spray of Micronutrients on Yield Attributes of Paddy	31	Poster
15.	AGS-45	Zahida Rashid, Suhail Inamullah, Souliha Rasool, Mudasir Rashid and Fayaz A. Bahar	Influence of Crop Geometry on Yield, Yield Attributes and Quality of <i>Stevia rebaudiana</i> Bertoni	31	Oral
16.	AGS-46	Shabir H. Wani, Gulzar S. Sanghera and S. S. Gosal	<i>In vitro</i> Production of Axenic Seedlings in Rice: Effect of Surface Sterilant and Media on Seed Germination Efficiency	31	Poster
17.	AGS-47	Rouf A. Mir, G. A. Parray, Samuel G. Singh and Asif B. Shikari	Grouping of Rice ( <i>Oryza sativa</i> L.) Genotypes Based on Seedling Growth Response to Chemical Treatment for their Identification	32	Poster
18.	AGS-48	N. Nazir, F. A. Banday, M. Feza Ahmad, M. K. Sharma, A. Khalil, S. R. Singh and M. Jabeen	Soil Mineral Nutrient Dynamics and Microbial Population in Response to Organic Fertilization in Strawberry Cv. <i>Senga sengana</i>	33	Oral
19.	AGS-49	Manzoor Ahmad, Shabir Ahmad and Nayar A. Kirmani	Distribution of Organic Carbon in the Soils of Sheetalpur Block of Etah District, Agra	34	Oral
20.	AGS-50	R. Zaman, H. U. Malik and M. Shaheen	Bronchoscopic Studies and Aerosol Antibiotic Therapeutics in Sheep Respiratory Diseases under Intensive Managemental Conditions During Winter in Kashmir	34	Oral
21.	AGS-51	Gulzar S. Sanghera, Amjad M. Husaini and A. G. Rather	Identification of Maintainers and Restorers for Newly Developed CMS Lines of Rice for Temperate Kashmir Conditions	35	Oral
22.	AGS-52	Shahzada Mudasir Rashid	Efficacy of different Antimicrobial Drugs in Treatment of Haemorrhagic Septicaemia in Indian Buffaloes	36	Oral
23.	AGS-53	Sheikh Sameer Samad and G. Roopa Lavanya	Delineation on EMS-Induced Genetic Variability in some Agronomic Triats in Mungbean, <i>Vigna radiata</i> (L.) Wilczek	37	Poster
24.	AGS-54	R. A. Bhat, Latief Ahmad, Shabeena Shabnum and Joy Dawson	Response of Different Sources of Nitrogen on Growth and Yield of Maize ( <i>Zea mays</i> L.)	37	Oral
25.	AGS-55	G. M. Mir, A. A. Balkhi, N. A. Lala	Drying of Saffron Flowers	38	Oral
26.	AGS-56	G. M. Sheikh, J. D. Parrah, B. A. Moulvi, M. O. Kalim and H. Athar	Evaluation of Different Renal Biopsy Techniques in Canine	38	Oral
27.	AGS-57	M. A. Baba	Histochemical Studies of Carbohydrates and Proteins in the Pulmonary Bronchi of Black Bengal Goat ( <i>Capra hircus</i> )	39	Oral
28.	AGS-58	R. R. Mir, J. Kumar, H. S. Balyan and P. K. Gupta	Gradual Loss of Genetic Diversity among Indian Bread Wheat Cultivars Developed during the Post-Green Revolution Period	40	Oral
29.	AGS-59	N. A. Tufani, A. Hafiz, D. M. Makhdoomi and H. K. Bhattacharyya	Foot and Mouth Disease Outbreak and its Therapeutic Management	40	Oral



30.	AGS-60	M. S. Bhat, M. Shaheen and R. Zaman	Therapeutic Studies in Cattle with Various Mineral Deficiencies	41	Oral
-----	--------	-------------------------------------	---	----	------

<b>Session 3: Agriculture – III</b> (AGS-61 to AGS-91)	<b>Chair: Dr. Nazir Ahmad</b> <b>Rapporteur: Dr. M. A. Mir</b>	<b>Friday 3<sup>rd</sup> December 2010</b> <b>2.30 p.m. to 5.30 p.m.</b>
---	---	---

Sr.	Abt. No.	Author/s	Title of Paper	Page	Mode
1.	AGS-61	Kamal Jit Singh and J. S. Bal	Effect of CaCl <sub>2</sub> and Surfactant Apsa-80 on the Shelf-Life of Pear cv. Baggugosha	42	Oral
2.	AGS-62	M. A. Bhat, S. Simon, N. A. Munshi, M. Y. Ghani, Z. A. Bhat and F. A. Raina	Biology and <i>in vitro</i> Control of <i>Verticillium fungicola</i> (Preuss) Hasse. Causing Dry Bubble Disease of White Button Mushroom	43	Poster
3.	AGS-63	M. A. Bhat, S. Simon, Z. A. Bhat and F. A. Raina	Antifungal Activity of Botanicals of Kashmir Valley	43	Poster
4.	AGS-64	Sabina Akhtar, Shafiq A. Wani and M. A. Bhat	Genetic Diversity Studies by using Molecular Marker (Simple Sequence Repeats) in Temperate Rice ( <i>Oryza sativa</i> L.) Germplasm	44	Poster
5.	AGS-65	Sabina Akhtar, Shafiq A. Wani and M. A. Bhat	Variability Studies for Improving Seed Yield in Pea ( <i>Pisum sativum</i> L.) Varieties	44	Poster
6.	AGS-66	S. A. Bangroo, Mushtaq A. Wani, Nayar A. Kirmani, M. A. Bhat and S. N. Kirmani	Impact of Agricultural Soil Erosion on Global Climate Change and Food Security	45	Poster
7.	AGS-67	Ishtiyah Ahad, R. M. Bhagat, Hafeez Ahmad and Irshad Ahmed	Pest Complex and their Succession on Maize with Special Reference to Lepidopteran Insect-pests	46	Poster
8.	AGS-68	I. H. Shah, M. M. Darzi, M. S. Mir and R. Zaman	Pathological Alterations Observed in Paratuberculosis vis-à-vis the Serum Iron Status in Spontaneously Affected Goats	46	Poster
9.	AGS-69	S. A. Samoon, Neelofar, K. S. Kirad and A. A. Lone	Effect of Nitrogen and Phosphorus Levels on Flowering of Calendula ( <i>Calendula officinalis</i> L) var. Touch of Red Mixture	47	Oral
10.	AGS-70	N. Munshi, M. Shaheen and R. Zaman	Electrocardiographic Changes in Diarrhoeic Calves: Diagnostic and Prognostic Significance	47	Poster
11.	AGS-71	R. R. Mir, N. Kumar, M. Prasad, N. Girdharwal, J. Kumar, H. S. Balyan and P. K. Gupta	Gene Networks for Grain Weight Revealed by QTL Interval and Regional Association Mapping in Bread Wheat	48	Oral
12.	AGS-72	M. Shaheen, R. Zaman and R. A. Bhat	Update on Rabies: Incidence in Canines, Farm Animals and Humans In South Asia and Recent Trends in Diagnosis and Immunoprophylaxis	49	Oral
13.	AGS-73	Mumtaz Majeed, N. A. Masoodi, Altamash Bashir and Hillal Ahmad	Potential of Forestry and Agroforestry Practices in Carbon Sequestration	50	Oral
14.	AGS-74	Inam ul Rasool and K. L. Khera	Gully Morphology and its Patterns in Relation to Catchment Characteristics in The Submontane Punjab	50	Oral
15.	AGS-75	Ajaz A. Lone, F. A. Nehvi, M. I. Makdhooni, S. A. Dar and B. A. Alaie	Diversification in Utilization Patterns of Maize ( <i>Zea mays</i> L.)	51	Oral
16.	AGS-76	M. Y. Bhat, Hafiza Ahsan, F. A. Peer, M. A. Dar, F. A. Khan, M. K. Sharma and M. H. Khajawall	Influence of Harvest Dates and Storage Period at Ambient Temperature on Physico-Chemical Characteristics of Pear Fruit cv. Bartlett.	52	Poster
17.	AGS-77	Sameera Shafi	Uniformity Trial of Cabbage	53	Oral
18.	AGS-78	Sabeena Nasseer and Gul Zaffar	Genetics of Scent in Rice of Kashmir Valley	53	Poster
19.	AGS-79	G. H. Rather, F. A. Bandy, N. A. Ganai, M. U. Rehman & S. A. Haji	Influence of Pruning Regimes and Fertilizer Application on Fruit Size of Apple cv Red Delicious	54	Poster
20.	AGS-80	Adil Rashid, Mohammad Maqbool Darzi, Masood Saleem Mir, Shayaib Ahmad	Prevalance of Ovine Hydatidosis in Kashmir Valley	54	Oral





		Kamil, and Latief Mohammad Dar			
21.	AGS-81	Adil Rashid, Mohammad Maqbool Darzi, Masood Saleem Mir, Shayaib Ahmad Kamil and Latief Mohammad Dar	Pathological and Histochemical Studies on Spontaneous Hydatidosis in Sheep	55	Oral
22.	AGS-82	Adil Rashid, Mohammad Maqbool Darzi, Masood Saleem Mir, Shayaib Ahmad Kamil and Latief Mohammad Dar	Study on Some of the Biochemical Attributes of Hydatid Fluid from Ovine Cystic Echinococcosis	55	Oral
23.	AGS-83	Shakeel Ahmad, A. A. Siddiqui, Anil Dhar and M. A. Khan	Transfer of Technologies Through Cluster Approach for the Development of Sericulture in Jammu and Kashmir	56	Poster
24.	AGS-84	Shakoor Ahmad Bhat, Malik Mehboob Willayat and Seuli Saha Roy	Isolation, Molecular Characterization and Antibiogram of <i>Listeria Monocytogenes</i> from Various Foods of Animal Origin	57	Oral
25.	AGS-85	Latief Mohammad Dar, Mohammad Maqbool Darzi, Masood Saleem Mir, Shayaib Ahmad Kamil and Adil Rashid	Prevalence of Lung Affections in Sheep in Kashmir Valley	57	Oral
26.	AGS-86	M. S. Bhat, M. Shaheen and R. Zaman	Studies on Mineral Profile of Soil, Forage and Cattle in Plains and Hilly Areas of Ganderbal: A Comparative Analysis	58	Oral
27.	AGS-87	M. S. Bhat, M. Shaheen and R. Zaman	Clinico-Haemato-Biochemical Studies in Cattle with Various Mineral Deficiencies in Ganderbal	59	Oral
28.	AGS-88	A. K. Srivastva	Knowledge based Sustainable and Viable Hill Agriculture	341	Oral
29.	AGR-89	Irfan Ahmad, Adnan Abubakr and M. H. Balkhi	Survival and Genome Persistence of Rotavirus from a Temperate, High Altitude Lake, <i>The Dal</i>	343	Oral
30.	AGR-90	S. Abid Ali, Aruna Bhatia and Qazi Parvaiz	<i>In vitro</i> Immunomodulatory Activity of Sweet Cherry ( <i>Prunus avium</i> L.) Varieties of Kashmir Valley	353	Oral
31.	AGR-91	Mushtaq A. Beigh, Imtiyaz A. Zargar, M. A. Mir and Fuazia Shafi	Studies on Improvement of Post Harvest Life of Vegetables by Shrink Wrapping	353	Oral

<b>Session 4: Sericulture (SER-1 to SER-5) &amp; Engineering Sciences (ENGS-1 to ENGS-12)</b>	<b>Chair: Dr. A. S. Kamili Rapporteur: Dr. M. Z. Khan</b>	<b>Saturday 4<sup>th</sup> December 2010 10.00 a.m. to 1.30 p.m.</b>
---	---	--

Sr.	Abt. No.	Author/s	Title of Paper	Page	Mode
1.	SER-1	Mir Nisar, M. Z. Chishti and M. A. Khan	Studies on the Identification of Silkworm <i>Bombyx mori</i> L Hybrids for Summer Rearing under Kashmir Climatic Conditions	60	Oral
2.	SER-2	M. F. Baqual, A. S. Kamili, M. R. Mir, Irfan Latief and Sheikh Noor-ud-din	Utility of Mulberry Fruit in Pharmaceutical Industry	60	Poster
3.	SER-3	Feroz Hassan, M. A. Malik, N. A. Ganie, T. P. Singh and Bilal A. Bhat	Effect of <i>Glyphodes pyloalis</i> Walker (Pyrilidae: Lepidoptera) Infested Leaves on the Dietary Efficiency Characters of Silkworm, <i>Bombyx mori</i> L.	61	Oral
4.	SER-4	Irfan Illahi, Vishal Mittal, G. K. Ramegowda, Anil Dhar and M. A. Khan	Distribution, Seasonality and Severity of Mulberry Diseases in Kashmir Valley	62	Oral
5.	SER-5	Farooq A. Mattoo, Irfan I. Khan, Afifa S. Kamili, M. R. Mir, M. F. Baqual, Nisar A. Ganie and Kurshid A. Dar	Mulberry Leaves as a Component of Animal Feed	344	Oral
6.	ENGS-1	Babita	An Estimation Model Using Software Maintenance for Object Oriented Software	64	Poster
7.	ENGS-2	Tabish Zamir Andrabi	Gain Flattening Filter Optimization of an Erbium Doped Fibre Amplifier	64	Oral
8.	ENGS-3	Riyaz Ahmad Qureshi	Tracking and Positioning of Mobile Systems in Telecommunication Networks	65	Oral



9.	ENGS-4	M. Marouf Wani, Muhammad Hanief, M. S. Charoo, I. K. Pandita, Syed Aaquib Asad, Niyaz Ahmed Bhat, Adeel Zaman Shah, Owais Nazir, Yawar Iqbal & Asif Kathwari	Experimental Investigations on the Use of Alternative Fuels viz Ethanol, Bio-Diesel and Kerosene in a Single Cylinder Direct Injection Diesel Engine in Terms of Performance and Environmental Pollution	66	Oral
10.	ENGS-5	Romana Yousof and Najeeb-ud-din	A Novel Carry Select Adder: Topology and Performance Evaluation	66	Oral
11.	ENGS-6	M. Hanief, M. S. Charoo and M. Marouf Wani	Waste Heat Recovery by Cogeneration of Gas Turbine Power Plant Pampore (J&K)	67	Oral
12.	ENGS-7	Malik Parveez, M. Aurangzeb, A. Bharati, R. K. Wanchoo and R. Ambardar	Experimental Study on Drag on Spherical Particles in Visco-Inelastic Fluids	68	Oral
13.	ENGS-8	Yashwant Mehta and Rajinder Ambardar	Corrosion Behaviour of Spot Welded Iron-Phosphorous-Carbon Alloy	68	Oral
14.	ENGS-9	Samrah Shakeel, Shafaq Ashraf, Atikur Rahman and Rajinder Ambardar	Synthesis and Characterization of Nanostructured Zinc Oxide Powders by Hydrothermal Method	69	Oral
15.	ENGS-10	Supriya Koul, Aroba Saleem, Sajid Ahmad, Atikur Rahman and Rajinder Ambardar	Processing and Characterization of Nanostructured Ni-Cr Coatings for High Temperature Applications	70	Oral
16.	ENGS-11	Ram Narayan Roy and Shubham	Luminous Highway	71	Oral
17.	ENGS-12	Nayeem A. Khan and G. R. Khan	Distributed Fiber Optic Sensing Technique for Earthquake Prediction	71	Oral

**Section II: Earth, Environment & Home Sciences**

**(Venue: Ibn-i-Khaldoon Auditorium)**

<b>Session 1: Earth Science</b> GE-1 to GE-14 GEO-1 TO GEO-6	<b>Chair: Prof. Rais Akhtar</b> <b>Rapporteur: Dr. Bikram Singh</b>	<b>Thursday 2<sup>nd</sup> Dec. 2010</b> <b>3.00 p.m. to 5.30 p.m.</b>
--	--	---

**Lead Lecture: Prof. Rais Akhtar**

Sr.	Abt. No.	Author/s	Title of Paper	Page	Mode
1.	GE-1	Javeed Ahamd Rather	Role of Geographic Information System (GIS) in Logistics and Vehicle Routing Applications	73	Poster
2.	GE-2	Pervez Ahmed, M. Sultan Bhat and Himayoon Hassan	Impact of Change in Landuse / Landcover on Soil Nutrients - A Case Study of Kanaknaz Watershed – Sindh Valley (Kashmir)	73	Oral
3.	GE-3	Nissar A. Kuchay, M. Sultan Bhat and Akhtar Alam	Dynamics of Urbanization and Status of Agricultural Land use in Srinagar City- A Spatio-temporal Analysis	74	Oral
4.	GE-4	S. Shakeel Ahmad and T. A. Kanth	Soil Erosion Categories of Liddar, River Basin Kashmir	75	Oral
5.	GE-5	G. M. Rather	Nutrition and Health in Ladakh – A Regional Analysis	75	Oral
6.	GE-6	M. Imran Malik, M. Sultan Bhat and Nissar A. Kuchay	Watershed Based Land Use Land Cover Change Detection Analysis for Sustainable Development of Mountainous Areas- A study of Lidder catchment in Kashmir Himalayas.	76	Oral
7.	GE-7	M. Shafi Bhat and M. Sultan Bhat	Trend Analysis of Core- Winter Temperature in Kashmir Valley from 1950-2010	76	Oral



8.	GE-8	Shamim Ahmad Shah	GIS Technology and Rural Land Use Management (An Strategy for Cash Crops in Kashmir Valley)	77	Oral
9.	GE-9	T. A. Kanth, Zahoor ul Hassan and Parvaiz Ahmad Teli	Geo-Environmental Dynamics of Wular Lake	77	Oral
10.	GE-10	Akhtar Alam, M. Sultan Bhat and Pervez Ahmed	Economic Valuation of Ecosystem Services: A Case study of Hokar Sar Wetland	78	Oral
11.	GE-11	Pervez Ahmed, M. Sultan Bhat and Himayoon Hassan	Sediment Yield Index as an Indicator of Soil Degradation in Kahmil Watershed, Kashmir	79	Poster
12.	GE-12	Rayees A. Pir and Shakil A. Romshoo	Integration of Remote Sensing, GIS and Field Data for Geological Mapping: A Study of Sanderan Watershed in Kashmir Valley	80	Poster
13.	GE-13	Ishtiaq A. Mayer	A Geo-Medical Interpretation on Health Conditions and Disease Prevalence among People Living on Lakes and Water Bodies of Srinagar City, Kashmir ( India )	81	Oral
14.	GE-14	Humayun Rashid and Majid Farooq	Modeling Physical Accessibility to Healthcare Network using Geo-Informatics - A Case Study of Thatri Tehsil of Doda District, J&K State	82	Oral
15.	GEO-1	Sumira Nazir Zaz and Shakil Ahmad Romshoo	Erosion Assessment of Kashmir Valley using ICONA Model	83	Oral
16.	GEO-2	Shabir Ahmad and M. I. Bhat	Geomorphic Expression of Active Tectonics in the Pir Panjal Range, South-Southwest Kashmir Valley	83	Oral
17.	GEO-3	Vinod Sharma and Priya Kanwar	Assessment and Management of Tattapani Thermal Spring, District Rajouri, J&K	84	Oral
18.	GEO-4	Ishtiaq Ahmad and Rakesh Chandra	Geochemical Characterization of Loess-Paleosol Quaternary Sediments of Karewa Basin and its Implications for Paleoclimate of Kashmir Valley	85	Oral
19.	GEO-5	Reyaz Ahmad Dar and Rakesh Chandra	Litho-stratigraphy of Kashmir Loess-Paleosol Sediments and their Significance for the Geomorphic Evolution of Karewa Basin	86	Poster
20.	GEO-6	Haji Abdul Majid Butt	Kashmir Sapphire	354	Oral



<b>Session 2: Environmental Science; ES-1 to ES-21</b>	<b>Chair: Prof. R. C. Sharma</b> <b>Rapporteur: Dr. Rakesh Chandra</b>	<b>Friday 3<sup>rd</sup> December 2010</b> <b>10.00 a.m. to 1.00 p.m.</b>
--	---	--

**Lead Lecture** by R. K. Khanna on, “Impact of Climate Change on Water Resources”

Sr.	Abt. No.	Author/s	Title of Paper	Page	Mode
1.	ES-1	Qazi A. Hussain and Ashok K. Pandit	Rosgen Stream Classification: A Test of its Application in Kashmir Himalaya	87	Oral
2.	ES-2	Sumira Rasool, Ashwani Wanganeo and Ashok K. Pandit	Land-use and Land-Cover Change (LULCC) from Past few Decades in Lidder Valley of Kashmir Himalayas	87	Oral
3.	ES-3	Sumira Rasool, Ashwani Wanganeo and Ashok K. Pandit	Relationships Between Stream Water Chemistry and Military Land Use on Lidder Stream in Lidder Valley of Kashmir Himalayas	88	Oral
4.	ES-4	Naseer Ahmad Dar, Arshid Jehangir and A. R. Yousuf	Air Quality at a Tourist Hill Resort in Kashmir Valley	88	Oral
5.	ES-5	Arshid Jehangir, A. R. Yousuf and Zafar A. Reshi	Impact of Deforestation on Structure and Composition of Herbaceous Vegetation	89	Oral



6.	ES-6	D. Slathia and S.P.S. Dutta	Limnology of Lake Surinsar, Jammu, J&K: Part III – Crustaceans	90	Oral
7.	ES-7	Sami Ullah Bhat and Ashok K. Pandit	Hydrochemical Description of Some Prominent Freshwater Springs of Kashmir Valley	91	Oral
8.	ES-8	Neeraj Sharma and Anil K. Raina	Floristic Composition, Species Diversity and Community Analysis of the Catchment of River Suran, Poonch, J & K, India	92	Oral
9.	ES-9	Anil K. Raina and Neeraj Sharma	Floristic composition, Life-form Classification and Biological Spectrum of District Jammu, Jammu and Kashmir, North - Western Himalayas	92	Poster
10.	ES-11	Javid A. Parray, Azra N. Kamili and Rehana Hamid	Evaluation of the Antibacterial Activity of <i>Taraxacum officinale</i> Extract	94	Oral
11.	ES-12	M. D. Mahdi, F. A. Bhat and A. R. Yousuf	Diversity and Dominance Pattern of Macrozoobenthos of River Jhelum in Kashmir Himalaya	95	Oral
12.	ES-13	Humaira B. Shah, A. R. Yousuf and M. Z. Chishti	Parasite Community of <i>Schizothorax niger</i> Heckel in Lakes of Different Pollution Level in Kashmir	95	Oral
13.	ES-14	Adnan Abubakr, M. H. Balkhi and M. R. D. Kundangar	Phytoremediation of Nitrogen and Phosphorus in Eutrophic Waters	96	Oral
14.	ES-15	Abdul Wahid Shah, Muni Parveen, Sajad Hussain Mir, Ruqaya Yousuf and A. R. Yousuf	Comparative Study of Physico-Chemical Features of Anchar Lake Kashmir	97	Poster
15.	ES-16	Samira Saleem, Azra N. Kamili and Suhaib A. Bandh	Biotic Interferences in Hokersar Wetland Ecosystem	97	Oral
16.	ES-17	Sameera Siraj, A. R. Yousuf and M. Parveen	Community Structure of Zooplankton in the Manasbal Lake, Kashmir, in Relation to Local Environmental Factors	98	Oral
17.	ES-18	Irfan Rashid, Shakil Ahmad Romshoo, Akhtar H. Malik and Mohammad Muslim	Remote Sensing for Geospatial Vegetation Type Mapping in Kashmir Himalaya Using Multi-Spectral Satellite Data	99	Oral
18.	ES-19	Nahida Ali, Shakil Ahmad Romshoo and Irfan Rashid	Geoinformatics for Characterizing and Understanding the Spatio-Temporal Dynamics (1969-2008) of Hokersar Wetland in Kashmir	100	Oral
19.	ES-20	Tanveer A. Qadri and Shakil A. Romshoo	Change Detection of Some Important Lakes of Kashmir Valley Using Multi-Temporal Satellite Data	101	Oral
20.	ES-21	Mansha Nisar, Shakil A. Romshoo and F. A. Lone	A Geospatial Approach to Study the Impact of Land Use/ Land Cover Change on the Pollution Status of Anchar Lake	101	Oral



<b>Session 3: Home Science</b> HS-1 to HS-19	<b>Chair: Prof. A. S. Bawa</b> <b>Rapporteur: Dr. Nahid Vaida</b>	<b>Friday 3<sup>rd</sup> December 2010</b> <b>2.30 p.m. to 5.30 p.m.</b>
---	--	---

**Lead Lecture: Prof. A. S. Bawa**

Sr.	Abt. No.	Author/s	Title of Paper	Page	Mode
1.	HS-1	Yasmeen Ashai and Nuseba Mehraj	A Study of Incidence of Domestic Violence against Women Causes and Forms	117	Oral
2.	HS-2	Uzaida Hussain and Yasmeen Ashai	A Study of Health Consciousness among Illetrate and Literate Women in District Srinagar	118	Poster
3.	HS-3	Sheema Mushtaq and Yasmeen Ashai	A Study of Physical and Psychological Changes in Post-Menopausal Women: Effect on Family	118	Oral
4.	HS-4	Ryhana Abdullah	Stress Among School Going Children:A Study of District Kulgam	119	Poster
5.	HS-5	Shazia Tabasum	Mental Health Status and Personality Pattern Among Female University Students	120	Poster



6.	HS-6	Neeru Sharma, Royal Gupta and Monika Shabnam	Health Beliefs Among Rural Women (35-55years) of Jammu	121	Oral
7.	HS-7	Sarika Manhas and Fouziya Qadiri	Perception and participation of Fathers Towards Earlychildhood Education	121	Oral
8.	HS-8	Anu Pandita, Nidhi Kotwal and Deepu Pandita	A Study of Life Style and Dietary Pattern of Humans in Jammu Suffering from Diabetes Mellitus	122	Oral
9.	HS-9	Tabassum Nazir and Shafia Nazir	A Comparative Study of Psycho-Social Problems of Widows and Half-Widows	123	Poster
10.	HS-10	Taniya Akhter	Media Preferences Of Adolescents in Context of Family Environment in Jammu City	124	Oral
11.	HS-11	Neeru Sharma, Namrata Goswami and Meenakshi Anand	Gender Differences in Emotional Intelligence Among Youth of Jammu	124	Oral
12.	HS-12	F. A. Masoodi, Sabreena Mehraj and Bilal A. Bhat	Relationship Between Socio-Economic Status and Consumption Pattern of Processed Vegetables in Urban Areas of District Srinagar	125	Oral
13.	HS-13	Sarika Manhas and Anjali Sharma	Assessment of Health Status of Male Construction Workers of Jammu District	125	Oral
14.	HS-14	Sarika Manhas, Fouziya Qadiri and Monika Sharma	Transition of Personal Value from Parents to Children: A Case Study of Kashmiri Migrant Pandit Families	126	Oral
15.	HS-15	Sarika Manhas and Shallu	Assessment of Health Status of Construction Workers (females) in Kathua District	127	Oral
16.	HS-16	Nirojini Bhat (Bhan) and Ambika Sharma	Nutritional Knowledge Among the Female School Teacher of the Kathua City	128	Oral
17.	HS-17	Nighat Ara and Yasmen Khan	A Study on Prevalence of Anemia among Lactating Women in Srinagar	128	Oral
18.	HS-18	Syed Toaseen Rehmat	Comparative Study of Parental Attitude Towards Preschool Education in Rural and Urban Areas	129	Oral
19.	HS-19	Syed Toaseen Rehmat	Preschool Education in Rural and Urban Kashmir	129	Oral

**Session 4: Environmental Science;** ES-22 to ES-44

**Chair: Er. R. K. Khanna**  
**Rapporteur: Dr. Arshid Jahangir**

**Saturday 4<sup>th</sup> December 2010**  
**10.00 a.m. to 1.30 p.m.**

**Lead Lecture:** Prof. S. P. S. Dutta

Sr.	Abt. No.	Author/s	Title of Paper	Page	Mode
1.	ES-22	Iftikhar Rashid Wani, Nasir Ahmad Shah and Mohammad Yousaf Ganai	Conservation of Environment Through Value Education	102	Oral
2.	ES-23	Majid Farooq and Humayun Rashid	Developing a Spatial Decision Support System for Protected Area Network - A Case Study of South Division, Kashmir Valley	103	Oral
3.	ES-24	Shafaq Shahnaz and Azra N. Kamili	Microbial Quality of Some Ready to Eat Bakery Products Sold in Srinagar City.	104	Oral
4.	ES-25	Mohmad Abbas Bhat and A. N. Kamili	Floristic Diversity of Shankaracharya Forest Ecosystem	104	Oral
5.	ES-26	Bazigha Badar, Shakil A. Romshoo and M. A. Khan	Modeling Runoff Responses to Changing Land System in a Microwatershed of Dal Lake Catchment	105	Oral
6.	ES-27	Altamash Wani, F. A. Nahvi, Mumtaz Majeed and Hillal Ahmad	Potential of Renewable Biomass (Bio-Energy) for Social and Environmental Sustainability	106	Oral
7.	ES-28	Majid Farooq and Humayun Rashid	Geospatial Modeling Techniques for Assessment of Phytodiversity in Eco-Sensitive Himalayan Landscape – A Case Study of Pulwama District	107	Oral



8.	ES-29	Sajaad Iqbal Khan and Raj Kumar Rampal	Vermicompost vis-à-vis Vermiculture potential of <i>Metaphire posthuma</i> of Jammu on Vegetable Waste and Leaf Litter	107	Oral
9.	ES-30	Syed Muzaffar Ali Andrabi	Selective Separation/ Preconcentration of Cr <sup>3+</sup> , Cd <sup>2+</sup> , Hg <sup>2+</sup> and Pb <sup>2+</sup> from some Transition Metal Ions on a Modified Inorganic Ion Exchange Material	108	Oral
10.	ES-31	F. A. Bhat, A. R. Yousuf and M. H. Balkhi	Ecology of Planktonic Diversity in Lake Tso Moriri, Ladakh	109	Oral
11.	ES-32	Nousheen Qureshi, M. Y. Zargar, Javeed I. A. Bhat and Shaiesta Shah	Antagonistic Potential of <i>Trichoderma</i> against <i>Fusarium oxysporum</i> f.sp. <i>melongenae</i> Causing Wilt of <i>Solanum melongena</i> L.(var. Local long).	110	Oral
12.	ES-33	Humayun Rashid and Gowhar Naseem	Geospatial Analysis of Water Spread and Land Use/ Land Cover of Dal Lake at Different Spatial Scales	110	Oral
13.	ES-34	A. A. Sofi, Tabassum, S. U. Bhat, A. K. Pandit and A. R. Yousuf	Limnobiologic Features of River Sindh and its Tributary in Sonamarg area of Kashmir Himalaya	111	Oral
14.	ES-35	Naik Yaseera and Sanjay Sharma	Assessment of Eco-Tourism Potential Sites in Anantnag District of Kashmir	112	Oral
15.	ES-36	Suhaib A. Bandh, U. K. Chuhan, A. Qayoom Mir and Azra N. Kamili	Vermicomposting of Different Wastes Using <i>Eisenia foetida</i>	112	Oral
16.	ES-37	Rumisa Nazir and G. A. Bhat	Biomedical Waste Management in the Hospitals of Srinagar City	113	Oral
17.	ES-38	Anil Gupta and Raj Kumar Rampal	Vermicompost potential of <i>Metaphire posthuma</i> and <i>M. houlleti</i> of Jammu on Sugarcane Thrash	114	Oral
18.	ES-39	Abhilasha Bhawsar	Water Quality Monitoring of Barna Stream Network Using Benthic Macro-Invertebrates	114	Oral
19.	ES-40	Mohd Farooq Mir, Syed Abida and Syed Ifshana	Pollution Study of River Jhelum in Sopore Town	345	Poster
20.	ES-41	Mohd Farooq Mir, Syed Ifshana and Syed Abida	Physico-chemical Analysis of Ground Water of Srinagar and its Surroundings	345	Poster
21.	ES-42	Mohd Farooq Mir, Syed Abida and Syed Ifshana	Physico-chemical Analysis of Various Springs of Drass	345	Oral
22.	ES-43	Nighat Jabeen, A. R.Yousuf and M. Z. Chishti	Benthos of Dagwan Nallah-Kashmir with Particular Reference to Insect Community	354	Oral
23.	ES-44	Nighat Jabeen, A. R.Yousuf and M. Z. Chishti	Physico-Chemical Characteristics of Telbal Nallah, Kashmir	354	Oral

**“Original Research Articles  
in all Branches of Science  
are always Welcome for Publication in  
ORIENTAL SCIENCE”**



## Section III: Life Science

(Venue: Distance Education Auditorium)

<b>Session 1: Botany I</b> BO-1 to BO-28	<b>Chair: Prof. Z. A. Rishi</b> <b>Rapporteur: Dr. Z. A. Kaloo</b>	<b>Thursday 2<sup>nd</sup> Dec. 2010</b> <b>3.00 p.m. to 5.30 p.m.</b>
---	---	---

Sr.	Abt. No.	Author/s	Title of Paper	Page	Mode
1.	BO-1	Waseem Shahri, Inayatullah Tahir, Sheikh Tajamul Islam and Mushtaq Ahmad Bhat	An Effective Storage Protocol for Improving the Postharvest Performance in Cut Spikes of <i>Consolida ajacis</i> Nieuwl cv. Violet blue	131	Oral
2.	BO-2	Ehtisham Ul Haq, G. H. Dar and B. A. Wafai	Taxonomic Appraisal of Genus <i>Carex</i> L. in the Kashmir Himalaya	131	Oral
3.	BO-3	Javid Iqbal Pandith and B. Geetha Singh	Phytopharmaceutical Evaluation of Certain Medicinal Plants Used as Folklore Medicines by the People of Northern Kashmir	132	Oral
4.	BO-4	Mohammad Yasin Sofi and Samuel G. Singh	Assessment of Growth Yield of a Blue Green Algae, <i>Spirulina platensis</i> in Yamuna Water at Agra	133	Oral
5.	BO-5	Shauket Ahmed Pala and Abdul Hamid Wani	Mushroom Flora of Gulmarg, Kashmir	133	Poster
6.	BO-6	Mushtaq Ahmad, Inayatullah Tahir, Waseem Shahri, Sheikh Tajamul Islam and Syed Sabhi	Effect of Gibberellins on the Growth and Flowering of <i>Iberis umbellata</i> L.	133	Oral
7.	BO-7	Khalid Ul Rehman Hakeem, Altaf Ahmad, M. Irfan Qureshi and Muhammad Iqbal	Variability of Nitrogen Uptake and Assimilation among N-Efficient and N-Inefficient Rice ( <i>Oryza sativa</i> L.) Genotypes	134	Oral
8.	BO-8	Shogufta Mushtaq	Numerical Taxonomy of Genus <i>Ipomoea</i>	135	Oral
9.	BO-9	Aabid M. Rather, Irshad A. Nawchoo and Aijaz A. Wani	Assessment of Sexuality and Morphotypic Variability in <i>Valeriana jatamansi</i> Jones - An Important Medicinal Plant of N.W.Himalaya	135	Poster
10.	BO-10	Shahzada Arshid, Aijaz A. Wani, Aijaz Hassan Ganie and B. A. Wafai	Spatial and Temporal Isolation of Male and Female Sex Tracks Favours Allogamy in <i>Myriophyllum spicatum</i> L. – A Species Exploiting Powerful Sexual and Vegetative Strategies to Invade Aquatic Ecosystems in Kashmir	136	Oral
11.	BO-11	Sonica Tomar, Satish Kumar, Swati Tyagi and Touseef Hussain	Safe and Environmental Friendly Method for Control of Late Blight Disease of Potato	137	Poster
12.	BO-12	Anjum Bashir, P. H. Qazi, Sanah Majid and Khan Asiya Nazir	Studies on Evaluation of <i>Euryale ferox</i> (fox nut barely) as a Medicinal Plant	138	Poster
13.	BO-13	Nida Aslam, Aijaz A. Wani and Irshad A. Nawchoo	Sexual and Asexual Strategies in <i>Peganum harmala</i> Linn., an Important but Neglected Medicinal Plant of Kashmir Himalaya	138	Oral
14.	BO-14	Pervaiz Ahmad Dar, Zafar A. Reshi and G. H. Dar	Do Roads Act as Conduits for the Spread of Alien Plants in the Kashmir Valley, India?	139	Oral
15.	BO-15	Rehana Hamid, Javid A. Parray and Azra N. Kamili	Effect of Chromium on <i>Brassica juncea</i> L. cv Pusa Jai Kissan Under Hydroponic Culture	140	Oral
16.	BO-16	Shagufta Bashir, Aijaz A. Wani and Irshad A. Nawchoo	Mutagenic Potential of Gamma Rays, Ethyl Methane Sulphonate and Sodium Azide in <i>Trigonella foenum graecum</i> L.	140	Oral
17.	BO-17	R. A. Mir, A. H. Wani, M. Y. Bhat, Taskeen-u Nisa and S. A. Pala	Incidence and Severity of Powdery Mildew Fungi on some Plants of Lamiaceae in Kashmir Valley	141	Oral
18.	BO-18	A. H. Wani, R. H. Boda, S. A. Pala and	Morels in Southern Kashmir Himalaya	142	Oral



		M. Y. Bhat			
19.	BO-19	Sonu Goyal, Samiullah Khan and M. Imran Kozgar	Induced Mutagenesis through Chemical Mutagens in Mungbean ( <i>Vigna radiata</i> (L.) Wilczek)	142	Oral
20.	BO-20	Manzoor A. Shah, Zafar A. Reshi and Aubid H. Malik	Plant Invasion in the Kashmir Himalayan Wetlands: Need for a Predictive Modelling Approach	143	Oral
21.	BO-21	A. H. Munshi	<i>Willow (Salix) Species are Potential Resources for Bio Fuel and Bio Energy</i>	143	Oral
22.	BO-22	Taskeen –Un-Nisa, Azra N. Kamili, Tehmeena and Fozia	Button Mushroom Cultivation and its Marketing	144	Poster
23.	BO-23	Taskeen-Un-Nisa, A.H. Wani, and R. A. Mir	Effect of Post Harvest Spray of Fungicides and Botanicals on Storage Diseases of Onion in Kashmir Valley	145	Oral
24.	BO-24	Sanjeev Kumar and Y. P. Sharma	Diversity of <i>Agarics</i> in Jammu province (J&K)	145	Oral
25.	BO-25	Hilal A. Bhat, Aijaz Hassan Ganie, G. H. Dar and Z. A. Reshi	Diversity of Medicinal Plants in the Kashmir Himalaya	146	Oral
26.	BO-26	Shallu Samyal and Geeta Sumbali	Contamination of Aflatoxin B <sub>1</sub> and B <sub>2</sub> in Red Pepper ( <i>Capsicum annum</i> L.) Powder from Kashmir Valley	146	Oral
27.	BO-27	Hisamuddin	Role of Arbuscular Mycorrhizal Fungus in Biomangement of Root-Knot and Root Rot Diseases of Lentil	147	Oral
28.	BO-28	Peerzada Arshid Shabir, Irshad A. Nawchoo and Aijaz A. Wani	Assessment of Reproductive Strategies and Species Survival Features of <i>Inula racemosa</i> Hook. f.- A Critically Endangered Medicinal Herb of N.W. Himalaya	148	Oral

**Session 2: Zoology I**  
ZO-1 to ZO-33

**Chair: Prof. R. C. Gupta**  
**Rapporteur: Dr. M. N. Azim**

**Friday 3<sup>rd</sup> December 2010**  
**10.00 a.m. to 1.00 p.m.**

**Lead Lecture: Prof. R. C. Gupta**

Sr.	Abt. No.	Author/s	Title of Paper	Page	Mode
1.	ZO-1	Showkat Ahmad Wani, Fayaz Ahmad, Showkat Ali Zargar and Ayesha Amin	Intestinal Helminth Infections Among Children of District Shopian of Kashmir Valley	165	Oral
2.	ZO-2	Maraj-ud-din Malik and Md. Niamat Ali	Antimutagenic Properties of <i>Mentha piperita</i> Extract against Ethyl Methane Sulphonate Induced Mutagenicity in <i>Rattus norvegicus</i>	165	Oral
3.	ZO-3	Maraj-Ud-Din Malik, Md. Niamat Ali and Ummer Zargar	Genotoxic Effects of Ethyl Methanesulphonate (EMS) in <i>Rattus Norvegicus</i>	166	Oral
4.	ZO-4	Ummer Rashid, M. Z. Chishti, A. R. Yousuf, Fayaz Ahmad and Bashir Ahmad	Occurrence of Monogenean Gill Parasite of Indigenous Fish, <i>Schizothorax niger</i> from Lentic Water Bodies of Kashmir and its Use as Biological Indicator	166	Oral
5.	ZO-5	Ummer Rashid, A. R. Yousuf and M. Z. Chishti	Environmental Stress and Fish Parasites - Are Parasites Real Contenders for Pollution Indicators?	167	Oral
6.	ZO-6	Shabnum Nabi, Tariq Ahmad, Anjum Ara, Shamim Jahan Rizvi	Coordination Impairment Induced in Male Albino Rats Treated With Methylmercury chloride: Ameliorative Effect by Vitamin-E and Acetyl-L-Carnitine	168	Oral
7.	ZO-7	Shaikh Irshad, Firdous Ahmad and R. K. Gautam	Sub-Chronic Toxicity of Organophosphate Pesticide, Nuvan on Some Serum electrolytes of Fresh Water Catfish <i>Heteropneustes fossilis</i> (Bloch.)	168	Poster
8.	ZO-8	Firdous Ahmed Malla, Shaikh Irshad and Surendra Singh	Alteration in Cholesterol Level of Liver Tissue in the Freshwater Fish, <i>Channa pinctatus</i> (Bloch.) by Commercial Grade Of	169	Poster





			Chlorpyrifos		
9.	ZO-9	Zubair Ahmad Dar, Syed Tanveer, G. N. Yattoo, Bashir Ahmad Sofi, Perviz Ahmad Dar & Showkat Ahmad Wani	Prevalence of <i>Toxocara canis</i> in Stray Dogs of Kashmir Valley	170	Oral
10.	ZO-10	Perviz Ahmad Dar, Fayaz Ahmad, Majidah Rashid, Zubair Ahmad Dar and Showkat Ahmad Wani	Distribution & Physiological Significance of Cholinesterase - A Histochemical Study on Stomach Fluke <i>Paramphistomum cervi</i> (Paramphistomidae) of sheep ( <i>Ovis aries</i> )	170	Oral
11.	ZO-11	Yahya Bakhtiyar, Seema Langer, S. K. Karlopiya and Imtiaz Ahmed	Studies on the Food Preferences of <i>Macrobrachium dayanum</i> and <i>Labeo rohita</i> Under Laboratory Condition	171	Oral
12.	ZO-12	Javid Ahmad Bhat and Iqbal Khan	Length-Weight Relationship and Condition Factor of <i>Labeo rohita</i> (Cyprinidae) in Pahuj Reservoir, Jhansi, U.P.	171	Oral
13.	ZO-13	Farooq Ahmad, A. R. Yousuf and N. K. Tripathi	A Karyological Analysis of <i>Puntius Conchonius</i> (Hamilton, 1822) (Pisces, Cyprinidae) from Dal Lake Srinagar Kashmir, J&K, India.	172	Oral
14.	ZO-14	Asiya-Magray, A. R. Khan, Majidah Rasheed and Shakeel Ahmad Mir	Kinetics of Hematological Parameters and Levels of Total Proteins in the Serum of Rabbits Infected with <i>Eimeria</i> species	172	Oral
15.	ZO-15	Asiya Magray, Shabir Ahmad Wani, Majidah Rasheed and A. R. Khan	Rabbit Coccidiosis: Prevalence And Control: A Review	173	Oral
16.	ZO-16	Shabir Ahmad Wani, Asiya Magray, Majidah Rasheed and A. R. Khan	Seasonal Occurrence of Cestode & Acanthocephalan Parasites in Fishes of River Jehlum and Anchar Lake.	173	Oral
17.	ZO-17	Sajad Hussain Mir, Abdul Baqui, Abdul Wahid, M. M. Darzi and M. S. Mir	Efficacy of <i>Abroma augusta</i> on Biochemical and Histomorphological Features of Alloxan-Induced Diabetic Rabbits	174	Poster
18.	ZO-18	Mohd. Amin Lone and R. C. Saxena	Studies on Antiasthmatic Activity of Alcoholic Extract of <i>Prunella vulgaris</i>	174	Oral
19.	ZO-19	Deen Mohd. Bhat, R. C. Bhagat, Sheikh Afaq, Gulzar Ahmad and Ashaiq Hussain	Studies on the Natural Enemy Complex of Cabbage Butterfly Pest, <i>Pieris brassicae</i> (L.) (Lepidoptera: Pieridae) on Cruciferous Crops in Kashmir Valley (India)	175	Poster
20.	ZO-20	Ashaiq Hussain Naiko, R. J. Rao and Deen Mohd Bhat	Diversity of Wetland Birds in and around the Wular Lake Area of Kashmir	176	Poster
21.	ZO-21	Tariq Ahmad and Shabnum Nabi	Application of Dyar's Law to Different Hopper Instars of <i>Acrida Exaltata</i> Walker (Orthoptera: Acrididae)	176	Oral
22.	ZO-22	Shabnum Nabi and Tariq Ahmad	Adverse Influence of Low Level of Lead Nitrate on Basic Amino Acids in Liver Cells of <i>Rattus norvegicus</i> : Analysis by Descending Paper Chromatography.	177	Oral
23.	ZO-23	Khurshid A. Tariq, M. Z. Chishti, Fayaz Ahmad and Abdul S. Shawl	Antiparasitic Activity of Rhizome Extracts of <i>Iris hookeriana</i>	177	Oral
24.	ZO-24	Malkiat S. Saini, Rifat H. Raina & Z. H. Khan	Role of Bumblebees for Conservation of High Altitude Vegetation Germplasm of Indian Himalaya	178	Oral
25.	ZO-25	Malkiat S.Saini and Sajad H. Parey	Taxonomic study on Genus <i>Eubasilissa</i> Martynov (Trichoptera: Phryganeidae) from Indian Himalayas	179	Oral
26.	ZO-26	Fayaz Ahmad; Shaista Masarat and Bashir Ahmad Sofi	A study of Risk Factors Associated with the Prevalence of <i>Cryptosporidium</i> in Some Villages of Kashmir Valley	180	Oral
27.	ZO-27	Abdul A. Buhroo, Nazir A. Wani and Farak Naz Rasheed	Bio-efficacy of Entomopathogenic Fungi against San Jose scale <i>Quadraspidiotus perniciosus</i> Comstock in the Field Trials	180	Oral
28.	ZO-28	Kaleem Ahmed and Jamal A. Khan	Prey Selectivity Food Habit of Leopard ( <i>Panthera pardus</i> ) in Kumoan Himalayan Forest of Uttarakhand	181	Oral
29.	ZO-29	Imtiaz A. Bhat, M. Z. Chishti and F. A. Zaki	Nematode Density and Diversity of Saffron ( <i>Crocus sativus</i> ) in Kashmir Himalaya	181	Oral
30.	ZO-30	Imtiaz, Ahmad, M. Z. Chishti, F. A. Zaki	Plant Parasitic Nematodes Associated with Mint in Kashmir	182	Oral



		and Gulzar Ganai	Himalaya		
31.	ZO-31	S. Afaq and D. Mohammad	Toxic Effects of Water Pollution due to Leather Dyes on Water Fauna	183	Oral
32.	ZO-32	Deen Mohd. Bhat, R. C. Bhagat, Ashaiq Hussain Naikoo, Gulzar Ahmad and Ajaz A. Qureshi	Natural Parasitisation of <i>Spodoptera litura</i> F. (Lepidoptera: Noctuidae) by <i>Zele chlorophthalma</i> Nees (Hymenoptera: Braconidae) in Kashmir Valley (India)	183	Poster
33.	ZO-33	Mohd Feroz and J. S. Tara	Insects Record of Family: Coccinellidae, Chrysomelidae & Scarabaeidae (Coleoptera) in Kargil	184	Oral

<b>Session 3: Botany II</b> BOT-29 to BOT-55	<b>Chair: Dr. P. S. Ahuja</b> <b>Rapporteur: Dr. A. H. Wani</b>	<b>Friday 3<sup>rd</sup> December 2010</b> <b>2.30 p.m. to 5.30 p.m.</b>
---	--	---

**Lead Lecture: Dr. P. S. Ahuja**

Sr.	Abt. No.	Author/s	Title of Paper	Page	Mode
1.	BO-29	Shazia Tabassum Khan, Zafar A. Reshi and G. H. Dar	Role of Riparian Habitats in Alien Plant Invasion in the Kashmir Valley, India	149	Oral
2.	BO-30	Gowhar A. Shapoo, Zahoor A. Kaloo and Seema Singh	<i>In vitro</i> Seed Germination and Protocorm Development in <i>Spiranthes lancea</i>	150	Oral
3.	BO-31	Syed Sabhi, Inayatullah Tahir, Waseem Shahri, Sheikh Tajamul Islam and Mushtaq Ahmad	Physiological and Biochemical Changes Associated with Flower Development and Senescence in <i>Iris germanica</i> L.	150	Oral
4.	BO-32	Javaid Ahmad Khan, Ajaz Ahmad Bandy and Zia-ul Hassan	Effect of PSB (Phosphate Solubilizing Bacteria) on Morphological Characters (Phenology) of <i>Phaseolus aureus</i> Roxb. Var. Radiate (Green Gram)	151	Poster
5.	BO-33	Asma Majid, A. H. Munshi and Zahoor A. Kaloo	Survey and Cultivation of Fagopyrum – An Important Anti-Oxidant Producing Plant Growing in Kashmir Himalayas	151	Oral
6.	BO-34	Nazima Rasool and Zafar A. Reshi	Alien Plant Invasion Alters Activity of Soil Enzymes	152	Oral
7.	BO-35	Vir Jee, B. L. Bhellum and Rani Magotra	Habitat Diversity in the Flora of Jammu Shivaliks	153	Oral
8.	BO-36	Dimple Gupta and Y. P. Sharma	Mycobial Contamination on Some Dried Medicinal Plant Parts from the Various Markets of Jammu Province	153	Oral
9.	BO-37	B. L. Bhellum and Rani Magotra	A new variety of <i>Calystegia hederacea</i> wall. (Convolvulaceae) from J&K State, India	154	Oral
10.	BO-38	B. L. Bhellum, Kartar Chand and Vir Jee	Conservation of Indigenous Natural Plant Resources of Jammu and Kashmir	154	Oral
11.	BO-39	Abbasi, Hisamuddin, Tanweer Azam, Merajul Islam Robab and Ambareen Akhtar	Effect of Bark Extract of Different Plant Species on the Hatching of Root-Knot Nematode ( <i>Meloidogyne incognita</i> )	155	Oral
12.	BO-40	Iqbal H. Qadri, Azra N. Kamili and A. M. Shah	Internodal Culture of Paper Shelled Almond cv. Parbat.	155	Oral
13.	BO-41	Chesfeeda Akhter, G. H. Dar and Anzar A. Khuroo	Taxonomic Studies on the Genus <i>Ziziphus</i> Mill. (Rhamnaceae) in Kashmir Himalaya	156	Oral
14.	BO-42	Waheeda Rehman and Zafar A. Reshi	Invasion by <i>Conyza canadensis</i> increases Species Richness of Invaded Communities in Kashmir Valley, India	156	Oral
15.	BO-43	Wilayat Rizvi, Azra N. Kamili and A.M. Shah	Comparative Study of the <i>in vitro</i> Response of Four Apple ( <i>Malus pumila</i> Mill.) Cultivars of Kashmir	157	Oral
16.	BO-44	Mohd. Yaqub Bhat, A. H. Wani, Hissamuddin and M. Ashaq Malik	Bio Control of Root Knot Disease and Wilt Disease of Pigeon Pea	158	Oral



17.	BO-45	G. H. Dar, Akhtar H. Malik, Anzar A. Khuroo, Zafar S. Khan and A. R. Naqshi	Documenting Biodiversity: An Inventory of the Flora of Rajouri and Poonch Districts in the Pir Panjal Himalaya	158	Oral
18.	BO-46	Ambreen Akhtar, Hisamuddin, M. Y. K. Ansari and Merajul Islam Robab	Effect of Mutagenic Agents EMS and SA on Germination of Seeds of <i>Linum usitatissimum</i>	159	Poster
19.	BO-47	Abdul Rashid Malik, Rayees Ahmad Bhat and Mohd. Aslam Bhat	Impact of Anthropogenic Pressures on the Ecology of Wular Lake	159	Oral
20.	BO-48	Merajul Islam Robab, Hisamuddin, Tanweer Azam, Abbasi and Ambreen Akhtar	Pathogenicity and Histopathology of the Root-Knot Nematode <i>Meloidogyne incognita</i> on <i>Solanum nigrum</i> (L) Merrill.	160	Oral
21.	BO-49	Sumira Tyub and Azra Nahaid Kamili	Enhanced Axillary Shoot Proliferation in <i>Tribulus terrestris</i> - An Important Medicinal Herb of Kashmir Himalaya	161	Oral
22.	BO-50	Shauket Ahmed Pala, Abdul Hamid Wani and Riyaz Ahmed Mir	Diversity of the Macrofungus Genus <i>Coprinus</i> in District Shopian, Kashmir	161	Poster
23.	BO-51	Anil Sharma and Anima Langer	Studies on Population Status of Some Hepatic Taxa in Jammu, J&K (North-West Himalaya)	162	Oral
24.	BO-52	Kouchuk Dorzey, Sanjeev Kumar and Y.P.Sharma	Three species of <i>Helvella</i> from Ladakh	163	Oral
25.	BO-53	Bilal Ahmad Wani and Amina Khan	Wood Variability in Stems of <i>Parrotiopsis jacquemontiana</i> - (Decne.) Rehder. from Temperate Climate of Kashmir Himalaya, for its Different End Uses	163	Oral
26.	BO-54	Nisha Goswami and Geeta Sumbali	Comparative efficacy of some plant extracts in controlling amla ( <i>Phyllanthus emblica</i> L.) fruit rot	346	Oral
27.	BO-55	Rohini Sharma and Geeta Sumbali	Occurrence of Ochratoxin A from Shelled Kernels of Walnuts	346	Oral

<b>Session 4: Zoology II</b> ZO-34 to ZO-65	<b>Chair: Prof. M. Z. Chishti</b> <b>Rapporteur: Dr. Ulfat Jan</b>	<b>Saturday 4<sup>th</sup> December 2010</b> <b>10.00 a.m. to 1.30 p.m.</b>
--	---	--

Sr.	Abt. No.	Author/s	Title of Paper	Page	Mode
1.	ZO-34	Bilal A., T. A. Qureshi, Susan Manohr and Pinky Kaur	Effect of Cadmium Chloride on the Histoarchitecture of Certain Organs of a Freshwater Catfish, <i>Clarias batrachus</i>	184	Poster
2.	ZO-35	Md. Niamat Ali	Genotoxic Properties of Some Important Chlorophenolic Compounds on Aquatic Organisms ( <i>Heteropneustes fossilis</i> and <i>Culex pipiens fatigans</i> Larvae).	185	Oral
3.	ZO-36	Imtiaz Ahmed, Yahya Bakhtiyar, Showket Ali and Rayaz A. Ganie	Preliminary Studies on Water and Fat Distribution Patterns in the Flesh of the Three Selected Commercially Important Food Fishes of the Valley	185	Oral
4.	ZO-37	Yahya Bakhtiyar, Seema Langer, S. K. Karlopa and Imtiaz Ahmed	Studies on the Seasonal Variations in the Body Composition Among Sexes of <i>M. dayanum</i> (Henderson, 1893)	186	Oral
5.	ZO-38	Hidayatullah Tak, M. Z. Chishti, Fayaz Ahmad, Bashir Ahmad Lone and Shakeel Ahmad Rather	Epidemiological Study Of Babesiosis, Anaplasmosis and Theileriosis in Ruminants of District Ganderbal and their Impact on Haematology	187	Poster
6.	ZO-39	Aijaz Ahmad Qureshi, R. C. Bhagat and Deen Mohd. Bhat	An Updated Checklist of Monitored Butterfly-Fauna of Kashmir Valley and Conservation Measures for Highly Endangered Species	188	Oral
7.	ZO-40	Bashir Ahmad Lone, Fayaz Ahmad, Imtiaz Ali, Hidayatullah Tak, Ummer Rashid and Javaid Hassan	Geohelminth Infection and Associated Risk Factors in Children of District Ganderbal Kashmir Valley	188	Oral



8.	ZO-41	Shaista Masarat, Fayaz Ahmad and Bashir Ahmad Sofi.	Comparison of Sedimentation and Flotation Techniques for Identification of <i>Cryptosporidium</i> sp. Oocysts from Stool Specimens of Humans.	189	Oral
9.	ZO-42	M. Z. Chishti, Fayaz Ahmad, Bashir Ahmad, Hidayatullah Tak, Umer Rashid, Ibraq Khursid and Sumayya Nazir	Prevalence of Coccidia and Gastrointestinal Nematode Infections in Goats of Barramulla District of Kashmir Valley	190	Oral
10.	ZO-43	Rumysa Khaliq, Bilal A. and T. A. Qureshi	Amalgamated Effect of Vitamin C and Cadmium Chloride on the Histoarchitecture of Liver and Kidney of a Freshwater Catfish, <i>Clarias batrachus</i>	191	Poster
11.	ZO-44	Fayaz Ahmad, M. Z. Chishti, Bashir Ahmad, Hidayatullah Tak, Umer Rashid, Ibraq Khursid and Sumayya Nazir	Immune Responses of Sheep to Different Antigens of Adult <i>Haemonchus contortus</i>	191	Oral
12.	ZO-45	Ramandeep Kour, A. Malik and T. A. Qureshi	Effect of Physico-Chemical Parameters on the Seasonal Abundance of Zooplankton Population in Upper Lake Bhopal	192	Oral
13.	ZO-46	Shabir Ahmad Mantoo	Effect of Pesticide Lindane on Fresh Water Fish <i>Schizothorax plagiostomus</i>	192	Oral
14.	ZO-47	Shaheena Akhter, Fayaz Ahmad and M. Z. Chishti	Fish Diseases Caused by Protozoan Parasites and their Treatment	193	Oral
15.	ZO-48	Mustahson F. Fazili, G. Mustafa Shah and Ulfat Jan	Nesting Ecology and Breeding Success of Little Bittern in Wular Lake Kashmir	194	Oral
16.	ZO-49	Rohtash Chand Gupta	Royal Bengal Tiger in our Jungles is a Victim of Officers' Dereliction of Duty Aside from its own Destiny's Poor Future	194	Oral
17.	ZO-50	S. P. S. Dutta, D. Slathia, R. Gandhi and H. Kumar	Anomalies in Some Commercially Important Food Fishes from Freshwater Environments of Jammu, J&K	195	Oral
18.	ZO-51	S. M. Ahmad, F. A. Bhat, J. Iqbal, F. A. Shah and Masood H. Balkhi	Thermal Adaptability and Disease Association in Common carp ( <i>Cyprinus carpio communis</i> )	196	Oral
19.	ZO-52	Jan Muniza, Fayaz Ahmad and M. Z. Chishti	<i>Leucocytozoon</i> – A Blood Parasite in <i>Anas platyrhynchos domesticus</i> (Domestic Duck) of Kashmir Valley	197	Oral
20.	ZO-53	Manzoor A. Mir and Javed N. Agrewala	Innate–Effector Immune Response Elicitation against Tuberculosis Through Anti-B7-1 and anti-B7-2 Signaling in Macrophages	198	Oral
21.	ZO-54	Nuzhat Shahi, A. R. Yousuf and Fayaz Ahmad	Impact of Blood Parasitism on Fish Haematology of Anchar Lake, Kashmir	199	Oral
22.	ZO-55	Nuzhat Shahi, A. R. Yousuf and Fayaz Ahmad	Trypanosomes of Fresh Water Fish from Anchar Lake and River Jhelum, Kashmir	199	Oral
23.	ZO-56	Manzoor A. Mir and Javed N. Agrewala	A Novel Strategy to Develop Immunotherapy against Intracellular Pathogens	200	Oral
24.	ZO-57	Meenu Sadhotra and N. K. Tripathi	Status of Butterflies and Moths in Jammu Region	201	Oral
25.	ZO-58	Ummer Rashid, A. R. Yousuf, M. Z. Chishti, Fayaz Ahmad and Bashir Ahmad	Condition Based Indices of Fishes as Bio-indicator of Water Quality in Valley Lakes	201	Oral
26.	ZO-59	Ummer Rashid Zargar, M. Z. Chishti, A. R. Yousuf, Fayaz Ahmad, Hidayatullah Tak and Bashir Ahmad	Interaction between Environmental Stress and Disease Occurrence in an Aquatic Ecosystem	202	Oral
27.	ZO-60	Ummer Rashid Zargar, M. Z. Chishti, A. R. Yousuf, Fayaz Ahmad and Bashir Ahmed	Occurrence of Black Spot Disease in Indegenous Fish, <i>Schizothorax niger</i> , Heckel 1938 from Hypertrophic Lake (Anchar Lake)	202	Oral
28.	ZO-61	Fayaz Ahmad, Bashir Ahmad, M. Z. Chishti, Hidayatullah Tak and Javid Hassan	Prevalence and Seasonal Changes in the Population of Gastrointestinal Nematodes of Small Ruminants in the Semi-Arid Region of North-Kashmir	203	Oral
29.	ZO-62	Kadambri Gupta, Anupriya Sachar, Sheetu Raina and Krishma Gupta	Biochemical Alterations Induced by Lindane ( $\gamma$ -hexacholorocyclohexane) in a Fish, <i>Aspidoparia morar</i> , Inhabiting Jammu Waters	204	Oral



30.	ZO-63	Kadambri Gupta, Sheetu Raina, Anupriya Sachar and Krishma Gupta	Effect of Zinc on Haematological Parameters of the Fish, <i>Labeo boga</i>	204	Oral
31.	ZO-64	K. K. Sharma and Samita Chowdhary	To Access the Macrobenthic Diversity of A Sub-Tropical River (Tawi)	347	Oral
32.	ZO-65	Isha Slathia and N. K. Tripathi	Restriction Enzyme Cleavage Pattern of Genomic-DNA of Two Closely Related Species of Honey Bee (Apidae)	348	Oral

### **GUIDELINES FOR FULL LENGTH PAPER PUBLISHING**

Original Research articles of the Research Papers which will be presented during the deliberations of the 6<sup>th</sup> JK Science Congress and where the authors are interested in publishing the Full Length Papers in the proceedings of the Congress can be uploaded online or send as a MS WORD File attachment at [jksc@kashmiruniversity.ac.in](mailto:jksc@kashmiruniversity.ac.in). The manuscript should be submitted along with a certificate stating that the information embodied in the communication has not been published and is not under consideration for publication elsewhere.

The manuscript should be typed in "MS WORD". Normally the script should not exceed ten typed pages including abstract, tables and references. Manuscript may generally be organized in the following order: A concise and informative title followed by an abstract not exceeding 200 words giving the significant findings; a few key words for indexing and information retrieval; introduction; materials and methods; results; discussion; acknowledgements; references. Text should be in English, well written, precise and to the point.

Tables should be numbered in Arabic numerals in order of their mention in the text. A comprehensive title should be typed above the table. Footnotes should be indicated by superscripts and typed at the bottom of the tables.

Figures should be in black ink, neatly drawn and labeled. Photographs should be of good quality and in black and white. Number of figures and photographs in the order of their citation in the text, with brief captions are to be given on a separate sheet of paper. Units and Symbols should follow the metric system. The reference list should be arranged alphabetically according to the surname of the first author. More than one reference of the same author(s) for different years should be arranged chronologically.

References should follow the pattern of examples given below:

Journal article: i) Hora, S. L. 1951. Fish culture in rice field. *Curr. Sci.*, **29**(7): 171-173.

ii) Jhingran, A. G. and Ghosh, K. K. 1978. The Fisheries of Ganga river system in the context of Indian Aquaculture. *Aquaculture*, **14**: 141-162.

Chapter in a book: Narayan, N. S. and Madhyastha, M. N. 1985. Heavy metal pollution in India – A review: in "Current Pollution Researches in India" (Eds. R. K. Trivedi and P. K. Goel) pp. 272-294. Environmental Publications, Karad, India.

Technical Report: Anon. 1980. Annual report for the year 1979. National Environmental Engineering Research Institute, Nagpur, India.

Book: Jhingran, V. G. 1975. *Fish and Fisheries of India*. Hindustan Publication Corpn. India, New Delhi.

Abbreviations of journal titles in reference list should follow the forms used in World List of Scientific Periodicals.

All papers submitted for publication will be accepted only on the recommendations of the referees.



**Section IV: APPLIED/Molecular Biology,  
Pharmaceutical & Medical Sciences**

**(Venue: Business School Auditorium)**

<b>Session 1: Biochemistry BC-1 to BC-23</b>	<b>Chair: Prof. S. Mudassir Rapporteur: Dr. B. A. Ganai</b>	<b>Thursday 2<sup>nd</sup> Dec. 2010 3.00 p.m. to 5.30 p.m.</b>
--	---	---

Sr.	Abt. No.	Author/s	Title of Paper	Page	Mode
1.	BC-1	Yasrib Qurishi, Abid Hamid, M. A. Zargar, P. R. Sharma, D. M. Mondhe, Z. A. Wani, Bhawal A. Shah, S. C. Taneja, Shashank K. Singh and Ajit Kumar Saxena	Evaluation of Potency for Anti-Cancer Activity from <i>Boswellia serrata</i>	205	Poster
2.	BC-2	Gulzar Ahmad Bhat, Rameesa Shaf, Muzamil Makhdoomi, Beenish Iqbal, Iqra Nisar, Rumaisa Rafiq, Arshid Bashir Bhat, Idrees Ayoub Shah, Akbar Masood, Sajad Ahmad Shah, Mohd Maqbool Lone, Showkat Ahmad Zargar, Mohd Saleem Najar, Khurshed Iqbal, Parvaiz Koul and Nazir Ahmad Dar	Esophageal Cancer Risk Increasing Cytochrome-P450 Variants Harbour in Kashmiri Genome	206	Oral
3.	BC-3	Zahid Mahmood, M. Afzal Zargar, V. Verma and Inshad Ali Khan	Piperine, a Phytochemical Potentiator of Mupirocin against <i>Staphylococcus aureus</i>	206	Oral
4.	BC-4	I. H. Wani, R. Hamid, A. Masood and M. Makhdoomi	Isolation and Partial Characterization of a Lectin from <i>Prunella vulgaris</i> and Evaluation of Its Potential Antimicrobial Activity	207	Oral
5.	BC-5	Khalid Ghazanfar Mustafa, Bashir A. Ganie, Seema Akbar, Mohamad Y. Dar, Akbar Masood and Mudasar A. Tantry	Antidiabetic Activity of Extracts of Berberis Lycium in Alloxan-Induced Diabetes Mellitus	208	Poster
6.	BC-6	Syed Eazaz Hussain Rizvi and Syed Shahzada Mudasar	Effect of Sub Lethal Doses of Copper Sulphate on Certain Biochemical Parameters of <i>Clarias batrachus</i>	208	Oral
7.	BC-7	Syed Eazaz Hussain Rizvi and Syed Shahzada Mudasar Andrabi	Effect of Sub-Lethal Doses of Monocrotophos on Certain Biochemical Parameters of <i>Heteropneustes fossilis</i>	209	Oral
8.	BC-8	Syed Eazaz Hussain Rizvi and Mohmmad Amin	Comparative Method for Determining Inhibitory Activity of Garlic ( <i>Allium sativum</i> ) Against Multi-Drug Resistant strains of <i>Staphylococcus auris</i>	209	Oral
9.	BC-9	Syed Eazaz Hussain Rizvi and Syed Shahzada Mudasar Andrabi	Impact of Sub-Lethal Doses of Mercuric Chloride on Certain Biochemical Parameters Of <i>Catla catla</i>	209	Oral
10.	BC-10	Syed Eazaz Hussain Rizvi and Syed Mudasar Hussain	Lead Induced Alterations in Protein Level of Certain Tissues of <i>Clarias batrachus</i> (Linn.)	210	Oral
11.	BC-11	Syed Eazaz Hussain Rizvi and Sameena Muzamil	Effect of Sublethal Doses of Mercuric Chloride on Certain Haematological and Biochemical Parameters of <i>Clarias gariepinus</i>	210	Poster
12.	BC-12	Syed Rakashanda, Shajrul Amin and Akber Masood	Purification and Properties of Protease Inhibitors from " <i>Lavatera cashmeriana</i> " seeds	211	Oral
13.	BC-13	Khalid Ghazanfar Mustafa, Seema Akbar, Bashir A. Ganie, Mohamad Y. Dar, Akbar Masood and Mudasar A. Tantry	A Study on the Hypoglycemic and Hypolipidemic Effects of Extracts of <i>Achellia millifolium</i> in diabetic rats	211	Poster
14.	BC-14	M. Rubeena and M. A. Zargar	Antioxidant, Anti-Inflammatory and Antiarthritic Potential of <i>Atropa acuminata</i>	212	Poster
15.	BC-15	Albeena Nisar and M. A. Zargar	Evaluation of the Immunomodulatory Activity of the Ethanol Extract of Local Populace of <i>Hypericum perforatum</i> in Balb/c	213	Poster



			Mice.		
16.	BC-16	Deeba Kirmani, Muneesa Bashir, Hina Fayaz, Rafia Anjum, Safder Ganaie, M. Afzal Zargar and Firdous Khanday	To Study the Effect of Antioxidants on Rac1 Mediated Signal Transduction Pathway	213	Poster
17.	BC-17	Andleeb Naqati, M. Afzal Zargar, Nassir Shamas, Saqib Hassan, Syed Mudassar, Syed Mir, Fouzia Rashid and M. Ashraf Ganie	Serum Hs-CRP Levels as a Predictor of Cardiovascular Risk in Young and Adolescent Kashmiri Women with PCOS	214	Poster
18.	BC-18	Adil Mushtaq, Afnan Quadri, Kaiser Peerzada, Mohammad Afzal Zargar and Tasduq Abdullah	Glycyrrhizic Acid and UV-B Induced Photoaging in Human Skin Fibroblasts	215	Poster
19.	BC-19	Ishfaq Wani, Shazia Naqshi, M. Afzal Zargar, Mudasir Rasool and Mohd Ashraf Ganie	Serum Circulating Superoxide Dismutase and Catalase Activity in Young and Adolescent Kashmiri Women With PCOs	216	Oral
20.	BC-20	Yasrib Qurishi, Abid Hamid, M. A. Zargar, Aashiq Hussain, D. M. Mondhe, Zahoor A. Wani, P. R. Sharma, Bhawal A. Shah, S. C. Taneja, Shashank K. Singh and Ajit Kumar Saxena	Mechanistic Intricacies Involved in Apoptosis by BA Analogue	216	Oral
21.	BC-21	Rabiya Majeed, Abid Hamid, Asif Qazi, Mudasir Andrabi, S. Koul, P. L. Sangwan, A. K. Saxena and J. L. Koul	Semi-Synthetic Analogue of Betulinic Acid Induces Apoptosis in Leukemia Cells via Disruption of Mitochondrial Functioning	217	Oral
22.	BC-22	Irshad A. Lone, Mohammad Athar and M. Sarwar Alam	<i>Artemisia maritima</i> Ameliorates Ferric Nitrotriacetate (Fe-NTA) Mediated Inflammation, Hepatic Oxidative Stress, and Tumor Promotion Response	218	Oral
23.	BC-23	Sakina and Rabia Hamid	Purification, Characterization and Anti-Bacterial Activity of <i>Indigofera Helirampha lectin</i>	219	Oral

<b>Session 2: Pharmaceutical Science; PHAR-1 to PHAR-26</b>	<b>Chair: Prof. M. Y. Shah Rapporteur: Dr. Zulfikar Ali Bhat</b>	<b>Friday 3<sup>rd</sup> December 2010 10.00 a.m. to 1.00 p.m.</b>
---	--	--

Sr.	Abt. No.	Author/s	Title of Paper	Page	Mode
1.	PHAR-1	Bilal A. Zarger and Mubashir H. Masoodi	HPLC Method Development and Validation for the Simultaneous Estimation of Lamivudine and Stavudine in Human Plasma	246	Oral
2.	PHAR-2	Tasneem Ara, M. S. Rathore, B. A. Laway and Vivek Daniel	Improved Ocular Drug Delivery System, An Overview	246	Poster
3.	PHAR-3	Mubashir H. Masoodi, Bahar Ahmad and S. A. Khan	Alcohols from whole plant of <i>Lychnis coronaria</i>	247	Oral
4.	PHAR-4	Javid Iqbal Pandith	Evaluation of Different Drying Treatments in Retaining Phytoconstituents of Selected Plant Species	247	Oral
5.	PHAR-5	Hadiya Shah and Peer Mohammad Asif Qadri	Pharmacologic and Therapeutic Uses of High Altitude Medicinal Plants - An Overview	248	Poster
6.	PHAR-6	Nahida Tabassum and Saima Rasool	Natural Cognitive Enhancers	249	Poster
7.	PHAR-7	Feroz Ahmad and Nahid Tabassum	Ion Channels and their Modulation	249	Poster
8.	PHAR-8	Nahida Tabassum	Effect of Some Herbs on Hepatic Architecture of Animals	250	Poster
9.	PHAR-9	Nahida Tabassum	Aliskiren: A New Renin Inhibitor as Antihypertensive	251	Poster
10.	PHAR-10	Geer Mohammad Ishaq, M. Y. Shah,	Intensive Hospital-Based Adverse Drug Reaction Monitoring	252	Oral



		Parvaiz A. Koul and Shafiq A. Tanki	Studies in Kashmiri Population		
11.	PHAR-11	Masrat Rashid, Anita Kotwani and Mohammad Fahim	Beneficial Effect of Tadalafil on Right Ventricular Function in Acute Hypoxic Pulmonary Hypertension	253	Oral
12.	PHAR-12	F. A. Baba, S. Farooqi and Hepsibah	Aurora of Impinging Drug Targeting Technologies	253	Oral
13.	PHAR-13	Adil F. Wali, Mubashir H. Masoodi, Bimal Kumar and Arvind Mittal	Validation and Stability Indicating RP-HPLC Method for the Determination of Acomprosate Calcium API in Pharmaceutical Formulations.	254	Poster
14.	PHAR-14	Dinesh Kumar, Zulfiqar Ali Bhat, M. Y. Shah and Santosh S. Bhujbal	Bronchodilator Activity of Fraction of Methanolic Extract of Stem Bark of <i>Ailanthus excelsa</i> Roxb.	255	Poster
15.	PHAR-15	Nahida Tabassum and Amreen Naqash	Floating Drug Delivery System: A Novel Acceptable Approach	255	Poster
16.	PHAR-16	Nahida Tabassum and Andleeb Bashir	Recent Innovative Advances in Treatment of Human Immunodeficiency Virus	256	Poster
17.	PHAR-17	Abdul Aala Fazili, Nisar A. Khan, Zulfikar A. Bhat, Mudasir M. and Ishtiaq A. Chashoo	Orally Disintegrating Tablets (ODT) - An Innovative Approach to Oral Drug Delivery	257	Poster
18.	PHAR-18	Mohd. Akbar and Mubashir H. Masoodi	Chemical and Pharmacological Studies on <i>Clerodendrum phlomidis</i> L.	257	Poster
19.	PHAR-19	Nazia Banday	Tuberculosis and its Current Treatment	258	Poster
20.	PHAR-20	N. A. Khan, J. Ali, M. Y. Shah, Z. A. Bhat, M. Mudasir, I. A. Chashoo and G. N. Bader	Formulation Strategy for Gastro-Retentive Floating Capsule of Ofloxacin	258	Oral
21.	PHAR-21	Weekar Younis Raja, Zulfiqar Ali Bhat, Ishtiaq Ahmad Chashoo and Dinesh Kumar	Phytochemical and Pharmacological Review on <i>Valeriana officinalis</i> .	259	Poster
22.	PHAR-22	Humairah Yousuf, Z. A. Bhat, Dinesh Kumar and Vijender Kumar	Need of Standardization and Quality Control of Herbal Drugs and Products	260	Poster
23.	PHAR-23	Javaid Ashraf Newshehri, Z. A. Bhat, Nisar Ahmad Khan and Dinesh Kumar	Phytochemical Review on <i>Prunella vulgaris</i> : Heart of the Earth	260	Poster
24.	PHAR-24	Mohammed Iqbal Zargar, P. Singh and M. Y. Shah	Bio discovery from Biodiversity	261	Oral
25.	PHAR-25	Geer Mohammad Ishaq	Nanotechnology Revolution in the Realms of Novel Drug Delivery Systems	262	Oral
26.	PHAR-26	Mir Javid Iqbal and Geer M. Ishaq	Adverse Effects, Management and Alternatives of Phenytoin Therapy	350	Oral



<b>Session 3: Medical Science</b> MS-1 to MS-17	<b>Chair: Prof. A. G. Ahanger</b> <b>Rapporteur: Dr. M. Ashraf Ganai</b>	<b>Friday 3<sup>rd</sup> December 2010</b> <b>2.30 p.m. to 5.30 p.m.</b>
--	---	---

Sr.	Abt. No.	Author/s	Title of Paper	Page	Mode
1.	MS-1	Mohd Muzamil Kumar	Quantitative Mental Abnormality Test	237	Oral
2.	MS-2	Tabassum Parvez	Case of Mucinous Cystadenocarcinoma-Ovary	237	Oral
3.	MS-3	Tabassum Parvez	Uterine Sarcoma in an Unmarried Patient	237	Oral
4.	MS-4	Sarfraz Ahmad	Therapeutic Roles of Heparin Anticoagulants in Cancer and Related Disorders	238	Oral
5.	MS-5	Sonam Kumari	Distribution of ABO and Rh – D blood groups in Kathua Region of Jammu & Kashmir	239	Oral





6.	MS-6	Farooq A. Ganaie, M Saleem Wani, A. G. Ahanger, Feroz Shaheen and Tariq A Gojwari	Role of Endorectal MRI and MR-Spectroscopy in Early Detection of Prostate Carcinoma	240	Oral
7.	MS-7	Hilal Mohiudin, S. K. Thusu and Iqbal Lone	High Grade Primary Splenic Lymphoma Presenting as Fever, Pancytopenia and Massive Splenomegaly in an Elderly Female	240	Oral
8.	MS-8	Anu Pandita and Deepu Pandita	Nutritional Management and Biochemical Parameter Regulation of Chronic Liver Disease (CLD) in Children	241	Oral
9.	MS-9	A. G. Ahangar, Hafeez-ullah Lone, Mohd Lateef Wani, Shyam Singh, G. N. Lone, A. M. Dar, M. A. Bhat, Asrar Qadri, Farooq A. Dar and Zubair Hakeem	Recovery of Left Ventricular Functions After Aortic Valve Replacement	242	Oral
10.	MS-10	A. G. Ahangar, Asrar Qadri, Mohd Lateef Wani, Shyam Singh, A. Q. Lone, H. Z. Ashraf, Farooq A. Dar, G. N. Lone, A. M. Dar and M. A. Bhat	Double Valve Replacement Through Right Anterolateral Thorocotomy Approach	242	Oral
11.	MS-11	A. G. Ahangar, Hakeem Zubair Ashraf, Mohd Lateef Wani, Shyam Singh, Syed Asrar Qadri, G. N. Lone, A. M. Dar, M. A. Bhat and Farooq Ahmad Dar	Beating Heart ASD (Atrial Septal Defect) Repair: SKIMS Experience	243	Oral
12.	MS-12	M. Ashraf Ganie, M. Afzal Zargar, Syed Mir, Fouzia Rashid, Sobia Nissar, Sanjeed Ahmed, Syed Mudassar, Syed Douhath and M. L. Khurana	Current Concepts of Polycystic Ovary Syndrome (PCOS) - Can it be a Research Model to Study Pathogenesis and Treatment of Lifestyle Disorders	244	Oral
13.	MS-13	Manisha Singh	Study of Effect of Temperature Variation on the Quality and Quantity of DNA Obtained from Blood and Semen Stain	245	Oral
14.	MS-14	R. Simnani	Laparoscopic Gallbladder Surgery: Origin, Evolution and Our Advancements at Govt. Gousia Hospital, Srinagar	348	Oral
15.	MS-15	Iffat Hassan Shah	MELASMA: Is it Still a Challenge for the Dermatologist?	349	Oral
16.	MS-16	A. Hameed Malik, Parvaiz A. Shah and G. Hussain Bardi	Prevalence of Primary Headache Disorders in School-going Children in Kashmir Valley (North-west India)	350	Oral
17.	MS-17	M. Sharique Zahida Deva, Mutharra Waheed Deva and Shafa Abeeda	Awareness Regarding Anemia among College and Higher Secondary Girls of Srinagar City	130	Oral

<b>Session 4: Biotechnology</b> BT-1 to BT-18; MB-1 to MB-4	<b>Chair: Prof. Manoj K. Dhar</b> <b>Rapporteur: Dr. Rais Qadri</b>	<b>Saturday 4<sup>th</sup> December 2010</b> <b>10.00 a.m. to 1.30 p.m.</b>
--	--	--

Sr.	Abt. No.	Author/s	Title of Paper	Page	Mode
1.	BT-1	Rizwan Rashid, S. S. Bal, J. A. Bhat and S. S. Gosal	Genetic Engineering of Tomato with Cry1Ac Gene to Impart Resistance against Fruit Borer.	221	Oral
2.	BT-2	Qazi Danish, Ayub Qadri and Raies Qadri	VEGFR-2 ( <i>Fik-1/KDR</i> ) is Up-Regulated in Late Stage (High Grade) Squamous Cell Carcinoma of the Lung	221	Oral
3.	BT-3	Rubiya Dar, A. H. Zargar, Shabhat Rasool and Khurshid Iqbal Andrabi	MC4R Gene Relevance in Diabetic/Obese Patients in Kashmiri Population	222	Oral
4.	BT-4	Wajid Waheed, Surrinder K. Lattoo, Rekha S. Dhar and Ram A. Vishwakarma	Isolation, Cloning and Molecular Characterization of Geraniol 10-Hydroxylase - A Step Towards Pathway Engineering in <i>Picrorhiza kurroa</i>	223	Poster



5.	BT-5	Refaz Ahmad, Shabir Ahmad, Naseer Ahmad, Iram Saba and Parvaiz Qazi	Endophytes: An Alternate way for Drug Discovery	224	Poster
6.	BT-6	Shabir Ahmad, Refaz Ahmad, Naseer Ahmad and Parvaiz Qazi	Actinomycetes: A Source of Noval Bioactive Molecules	225	Poster
7.	BT-7	Touseef Hussain, Firoz Anwar and Sonica Tomar	Rapid & Sensitive Detection of Phytophthora Infestans in Infected Tubers by ITS Region Based Primer	225	Oral
8.	BT-8	Massarat Abbass and B. K. Bajaj	Partial Purification and Biochemical Characterization of Xylanase Produced Under Optimized Fermentation Conditions by <i>Aspergillus fumigatus</i> MA--28	226	Poster
9.	BT-9	Syed Eazaz Hussain Rizvi	Aspects of Molecular Human Genetics	226	Oral
10.	BT-10	Bashir Akhlaq Akhooon, Raja Feroz Ahmad and Vijeshwar Verma	Drug Resistance Mutation Mapping of Cytochrome b Protein in <i>Plasmodium falciparum</i> enhancing Fitness of Atovaquone	227	Poster
11.	BT-11	Shabir H. Wani, Gulzar S. Sanghera and S. S. Gosal	Studies on Parameters Affecting Transient GUS Expression in Rice ( <i>Oryza sativa</i> L.) Calli via Particle Bombardment	228	Poster
12.	BT-12	Shaista Sarwat, Imtiaz Murtaza and Arif Ali	<i>Pseudomonas fluorescens</i> as an Antibiotic Producing Bacteria	228	Oral
13.	BT-13	Deepu Pandita and Anu Pandita	Second Green Revolution via the Incorporation of Nitrogen Fixation Genes of Rhizobacteria into the Cereal Genome	229	Oral
14.	BT-14	Deepu Pandita and Anu Pandita	Flow Cytometry as an Important Tool for the Comparative Ploidy Estimation of <i>in vivo</i> and <i>in vitro</i> Regenerated Plants	230	Oral
15.	BT-15	Deepu Pandita	Bioengineering Genes of Lipid Metabolism Biosynthetic Pathway of Some Biodiesel / Renewable Energy Plants	231	Oral
16.	BT-16	Hina F. Bhat, Rafia A. Baba, Muneesa Bashir, Deebea Kirmani, Mudassar M. Wani, Nisar A. Wani, Khursheed A. Wani & Firdous A. Khanday	Expression Analysis of Alpha-1-Syntrophin (Snta-1) Protein in Different Forms of Human Cancers	232	Poster
17.	BT-17	Safder S. Ganaie, Muneesa Bashir, Deebea Kirmani, Hina Fayaz and Firdous A. Khanday	To look at the Effect of Anticancer Agents on Signal Transduction Pathway Operated by p66shc.	233	Poster
18.	BT-18	Meenu Asaas Qureshi, Nishawar Jan, Khurshid Iqbal Andrabi	Structural Distortions Predicted for Cancer Associated p16 <sup>ink4a</sup> Mutations: An Insillico Analysis	355	Oral
19.	MB-1	Md. Niamat Ali	Qualitative Visualization of Apoptotic Properties of Pentachlorophenol on Catfish Heteropneustes fossilis Germinal and Renal Cells	234	Oral
20.	MB-2	Manzoor Ahmad Malik, Showkat Ali Zargar and Balraj Mittal	A Six-Nucleotide Deletion Polymorphism in the Casp8 Promoter is Associated with Reduced Risk of Esophageal and Gastric Cancers in Kashmir Valley	234	Poster
21.	MB-3	Naseer Ahmad, Shabir Ahmad, Refaz Ahmad, Alsaba Fida, Parvaiz Qazi and Sarojini Johri	A molecular view of Archaeal Diversity in Salt Pan Sediment of Goa, India	235	Poster
22.	MB-4	Manzoor Ahmad Malik, Showkat Ali Zargar and Balraj Mittal	Association of TP53 intron 3, 16bp Duplication Polymorphism with Esophageal and Gastric Cancer Susceptibility in Kashmir Valley	236	Poster



## Section V: Chemical, Mathematical & Physical Sciences

(Venue: CCAS Auditorium)

<b>Session 1: Chemical Science</b> CH-1 to CH-33	<b>Chair: Prof. K. U. Z. Khan</b> <b>Rapporteur: Dr. G. M. Peerzada</b>	<b>Thursday 2<sup>nd</sup> Dec. 2010</b> <b>3.00 p.m. to 5.30 p.m.</b>
---	--	---

Sr.	Abt. No.	Author/s	Title of Paper	Page	Mode
1.	CH-1	Kowsar Majid and Rafiya Mushtaq	Study of Thermal Kinetics and Mechanism of Ethanolamine Complexes with Co(II), Ni(II), Zn(II) and Cd(II).	263	Oral
2.	CH-2	Mudasir A. Tantry and Ikhlas A. Khan	Saponins from <i>Glycine max</i> Merrill.	263	Poster
3.	CH-3	Mudasir A. Tantry	Natural Product Chemistry: New Strategies	264	Poster
4.	CH-4	Seema Yadav and K. S. Siddiqi	Stabilization of $MCl_4^{2-}$ by bis(1,3-Diaminopropane) Copper(II) Cation (where M = Co(II), Ni(II), Cu(II), Zn(II), Cd(II) and Hg(II))	265	Oral
5.	CH-5	Reehana Khan, Abdul Sami Shawl and Mudasar A. Tantry	Determination and Seasonal Variation in Chemical Constituents of Essential Oil of <i>Hyssopus officinalis</i> L. Growing in Kashmir Valley as Incorporated Species of Western Himalaya	266	Oral
6.	CH-6	Tabraiz Sadiq and Sunesh Dubey	Synthesis, Spectroscopic and Electrochemical Studies of Axially Ligated Aluminium(III) tetraphenylporphyrins	267	Oral
7.	CH-7	Zoya Zaheer and Rafiuddin	Formation of Silver Nanoparticles in Basic Methionine –Silver Nitrate Solution	267	Oral
8.	CH-8	Oyais Ahmad Chat, Muzaffar Hussain Najar, Mohammad Amin Mir, Ghulam Mohammad Rather and Aijaz Ahmad Dar	Impact of Self-Assemblies of Surfactants on Solubilization and DPPH Radical Scavenging Activity of Rutin	268	Oral
9.	CH-9	Reehana Khan, Abdul Sami Shawl and Mudasar A. Tantry	Determination and Seasonal Variation in Chemical Constituents of Essential Oil of <i>Hyssopus officinalis</i> L. Growing in Kashmir Valley as Incorporated Species of Western Himalaya	268	Poster
10.	CH-10	Muzaffar Hussain Najar, Aijaz Ahmad Dar and Ghulam Mohammad Rather	Influence of Short Chain Fatty Acid Salts on the Interfacial Properties of NaC and NaDC in Their Single and Mixed States under Physiological Conditions	269	Oral
11.	CH-11	Masood Ahmad Rizvi, Raashid Maqsood Parvaiz Ahmad Bhat and Badruddin Khan	Aluminium Toxicity from Some Daily Use Items, "A Comprehensive Study of Leaching and Bioavailability."	270	Oral
12.	CH-12	Masood Ahmad Rizvi, Showkat Raashid, Parvaiz Ahmad Bhat and Irshad Ahmad Bhat	Sulphanilamide Schiff Base Complexes: "Green Synthesis, Coordination and Electrochemical behavior."	271	Poster
13.	CH-13	Masood Ahmad Rizvi, Syed Raashid, Parvaiz Ahmad Bhat and Badruddin Khan	An Alternate Spectrophotometric Method of Aluminum estimation in some Daily Use Products	271	Poster
14.	CH-14	Masood Ahmad Rizvi, Syed Raashid, Parvaiz Ahmad Bhat and Roohena Jan	Indirect Estimation of Non Redox Systems over Platinum Electrode; An Uncommon Pseudo Indicator Behavior	272	Poster
15.	CH-15	Nisar A. Farhad, Usma Gull and G. M. Peerzada	A Novel Study on the Catalysed Oscillatory Behavior of Pyrogallol under Batch Conditions	273	Poster
16.	CH-16	Ajaz Ahmed, Wajahat A. Shah, Seema Akbar, Mohammad Younis and Dinesh	A Short Chemical Review on <i>Salix caprea</i> Commonly Known as Goat Willow	273	Poster



		Kumar			
17.	CH-17	M.Yousuf Dar, Kuratull Ain, Sofi Mubashir, Showkat Rashid and Wajahat A. Shah	Antioxidant and Cytotoxic Activites from <i>Cymbopogon jawarancusa</i> Essential oil.	274	Poster
18.	CH-18	Noor-Ud-Din Zargar and Khaliq uz Zaman Khan	N – Methyl Thiomethylation and N-Hydroxymethylation of Phthalimide	274	Oral
19.	CH-19	Masrat Maswal, Oyais Ahmad Chat and Aijaz Ahmad Dar	Effect of Surfactant Micelles on Solubilization and Co-Solubilization of Carbamazepine and Nifedipine	275	Oral
20.	CH-20	Mudasir Tantry, Reehana Khan, Seema Akbar, Khalid Ghazanfar and Sami Shawl	Chromatographic and spectroscopic correlation of Bioactive Fractions and Essential oils of <i>Rosmarinus officinalis</i> and <i>Melissa officinalis</i>	275	Poster
21.	CH-21	Sofi Mubashir, Wajaht A. Shah, M. Yousuf Dar, Kuratull Ain and Seema Akbar	Antimicrobial and Cytotoxic Activites of <i>Myricaria germanica</i> extracts.	276	Poster
22.	CH-22	Indresh Kumar and C. V. Rode	Organocatalysis: A Green Approach for the Synthesis Towards Imino-Sugars (DNJ)	277	Oral
23.	CH-23	Ishfaq Ahmad Shah, Nadeem B. Ganaie, Momina Bashir and G. M. Peerzada	Analytical Monitoring of Vitamin C Using Catechol as substrate in BZ Reaction	278	Poster
24.	CH-24	Nusrat Shafi and Mohmad Shafi Sheikh	Studies on Antimicrobial Activity of some Schiff Base Complexes of Cu (II), Ni (II) and Zn (II).	278	Poster
25.	CH-25	Shakeel-u-Rehman, Reehana Khan, Khursheed Ahmad Bhat, Alsaba Fida Raja, Mohd Akbar Khuroo, Abdul Sami Shawl, Mohd Sarwar Alam	Isolation, Characterisation and Antibacterial Activity Studies of Coumarins from <i>Rhododendron lepidotum</i> Wall	279	Oral
26.	CH-26	Naseem Ahmed and Saeeda Naqvi	Velocity and its Related Parameters of Aqueous Haemoglobin Solution in Presence of Different Sugars.	279	Oral
27.	CH-27	Naheed Sidiq, Mohsin Ahmad Bhat, Mohammad Akbar Khuroo and Khaleeq quz Zaman	From Halides to Disulfides: Mechanistic Aspects of Tetrathiomolybdate as Sulfur Transfer Reagent.	280	Poster
28.	CH-28	Raj M. Vaid and K. K. Bhutani	Evaluation of Anti Amoebic Activity of Stereoisomeric Diamino and Monoamino Pregnene Alkaloids and their N-Methylated Analogs.	280	Oral
29.	CH-29	Shakeel-u-Rehman, Khursheed Ahmad Bhat, M. Akbar Khuroo, Haroon Mohiuddin Bhat, Shahnawaz Nabi Sofi & Abdul Sami Shawl	<i>Salvia sclarea</i> : A Potential Source of Bioactive Natural Products	281	Oral
30.	CH-30	Prem Kumari Gupta	Dye Sensitized Photo Oxidation of Phenothiazine in Micellar Media	282	Oral
31.	CH-31	Sabiya Qazi, P. H. Qazi and A. S. Shawl	Essential oil Analysis of Aerial Parts of <i>Melissa officinalis</i> Growing in Cold Climatic Conditions of Kashmir	325	Oral
32.	CH-32	Manzoor Ahmad Lone and G. M. Peerzada	Catalytic Studies on Malonic Acid as BZ-Oscillator	325	Oral
33.	CH-33	Sheema Khan, Rajbir Kaur, Bhahwal A. Shah, SK Jain, Subhash C. Taneja and Jaswant Singh	A Novel Cyano Derivative of 11-KETO-B-Boswellic Acid Causes Apoptotic Death by Disrupting PI3K/AKT/HSP-90 Cascade, Mitochondrial Integrity and Other Cell Survival Signalling Events in HL-60 Cells	351	Oral

**Session 2: Computer & Electronics**  
CS-1 to CS-30 and ELX-1 to ELX-16

**Chair: Prof. Hardeep Singh**  
**Rapporteur: Mr. M. Tariq**  
**Banday**

**Friday 3<sup>rd</sup> December 2010**  
**10.00 a.m. to 1.00 p.m.**

**Lead Lecture: Prof. Hardeep Singh**

Sr.	Abt. No.	Author/s	Title of Paper	Page	Mode
1.	CS-1	Syed Nisar Hussain Bukhari	Agile Software Development	289	Oral



2.	CS-2	M. Tariq Banday and N. A. Shah	On the Realization of E-mail Forensic Using Meta-Data	289	Oral
3.	CS-3	M. Tariq Banday and Farooq A. Mir	Authentication of Electronic Records in India – A Techno-Legal Analysis	290	Oral
4.	CS-4	Supriya Gupta and Lalitsen Sharma	Analysis of Cookie Based Session Management in HTTP and Security Concerns	291	Oral
5.	CS-5	Syed Mutahar Aaqib and Lalitsen Sharma	Configuring and Optimizing your Apache Web Server for Higher Performance	292	Oral
6.	CS-6	Syed Mutahar Aaqib and Lalitsen Sharma	Analysis of the Delivery of Web Content for Kernel-Mode and User-Mode Web Servers	292	Oral
7.	CS-7	Sultan Ahmad and Musavir M. Khan	Knowledge on the Move: An innovation of Pervasive Computing	293	Oral
8.	CS-8	Bilal Maqbool Beigh, M. A. Peer and Mehraj-u-din Dar	Classification of Routing Protocols for Ad hoc Wireless Networks	293	Oral
9.	CS-9	M. Ahsan Chishti, Shaima Qureshi, Ashaq Majeed, A. H. Mir and Shariq Haseeb	Evaluation of the Source Specific Multicast (SSM) in Mobile Environments over Internet Protocol Version 6 (IPv6)	294	Oral
10.	CS-10	Asma Rafiq	Wireless Mesh Networks: A Brief Survey	294	Poster
11.	CS-11	Shaima Qureshi, M. Ahsan Chishti, Ashaq Majeed and A. H. Mir	Mobility Enhancement in Multicast Enabled Internet Protocol Version 6 (IPV6) Network	295	Oral
12.	CS-12	Saleem Qadri and Tanvir A. Qadri	Virtual Market Place	295	Oral
13.	CS-13	Tariq Rasool and Kaisar Javeed	Secret Data Sharing: A Photonic Approach	296	Poster
14.	CS-14	Sanjay Jamwal	A Case of ICT in Agriculture and Rural Development in India	297	Oral
15.	CS-15	Firdous Ahmad Shah and Yasin Pir	An Overview of Wavelet Based Neural Networks	297	Poster
16.	CS-16	Irshad Ahmad Mir and Mehraj-u-din	Vulnerabilities Centric and Attack Surface Based Security Metrics for Information Systems	298	Poster
17.	CS-17	Muzafar Ahmad Bhat, S. M. K. Quadri and Razeef Mohd Shah	Cloud Computing: A solution to Information Technology Support Systems (ITSS)	299	Oral
18.	CS-18	S. M. K. Quadri and Razeef Mohd.	Software Reliability Growth Models: A Comparative Study	299	Oral
19.	CS-19	Shazia Akram, Mehraj-Ud-Din Dar and S. M. K. Quadri	Document Image Categorization: A Cognitive Based Approach	300	Oral
20.	CS-20	Wasim Ahmad Bhat, S. M. K. Quadri and Mehraj Ud Din	Comparison of Heterogeneous File Systems: Advantages & Limitations	300	Oral
21.	CS-21	S. M. K. Quadri, Wasim Ahmad Bhat and Mehraj Ud Din	Performance Evaluation of Common Disk File Systems under Linux	301	Oral
22.	CS-22	Wasim Ahmad Bhat, S. M. K. Quadri and Mehraj Ud Din	How is File System Forensic Analysis Possible?	301	Oral
23.	CS-23	Suhail Qadir Mir and Mehraj-ud-din Dar	Major Threats to Information Security Affecting Information Availability	302	Poster
24.	CS-24	Tariq Ahmad Lone	Information Technology and its Role in Tourism Industry with Special Reference to J & K State	303	Oral
25.	CS-25	Sheikh Umar Farooq, S. M. K. Quadri and Nesar Ahmad	Decisive Factors for Selecting Software Testing Techniques	303	Oral
26.	CS-26	Sheikh Umar Farooq, S. M. K. Quadri and Nesar Ahmad	Towards More Successful Software Testing	304	Oral
27.	CS-27	S. M. K. Quadri, Sheikh Umar Farooq and Nesar Ahmad	What Should be Measured During Software Testing?	304	Oral
28.	CS-28	Javed Parvez, Mushtaq Ahmad Peer and S. M. K. Quadri	Some Novel Techniques for Enhancing the Performance and Reliability of Gigabit Networks	305	Oral
29.	CS-29	Aasia Quyoum, Mehraj-Ud-Din Dar and S. M. K. Quadri	Software Reliability Modeling – Objectives and Principles	305	Oral



30.	CS-30	Zahoor Ahmed, Asif Ali Banka and A. M. Wani	Information Technology for Development – Some Issues	355	Oral
31.	ELX-1	Ghulam M. Bhat, Javaid A. Sheikh and Shabir A. Parah	On the Design and Realization of Novel Gold Code Generator for CDMA Applications	307	Oral
32.	ELX-2	G. M. Bhat, Shabir A. Parah and Javaid A. Sheikh	FPGA Implementation of Parallel Gold Code Based Stream Cipher	307	Oral
33.	ELX-3	A. H. Moon and N. A. Shah	Study of Security Challenges in a Wireless Sensor Network	308	Oral
34.	ELX-4	A. H. Moon	Design of a Programmable Photo-voltaic Array Simulator using Switch Mode Power Converter	308	Oral
35.	ELX-5	Sheikh Ajaz Bashir	A Review of Some Active Elements used for Signal Processing	309	Oral
36.	ELX-6	Sheikh Ajaz Bashir	Usage of Switched Capacitor Resistors in Active Filter Design	310	Oral
37.	ELX-7	Sheikh Ajaz Bashir	CDBA based Filter and Oscillator Circuits	311	Poster
38.	ELX-8	M. Mustafa and M. Rafiq Beigh	Combinational & Sequential Logic Design in QCA	312	Oral
39.	ELX-9	Rockey Gupta and Susheel Sharma	Utility of Quasi-Floating-Gate MOSFET vis-a-vis Floating-Gate MOSFET for Low Voltage Applications	312	Oral
40.	ELX-10	Vishal Bharti and Susheel Sharma	Application of Self-Cascode MOSFET in Low Voltage Analog Design	313	Oral
41.	ELX-11	N. A. Shah, F. A. Khanday and Z. A. Bangi	Realization of Square-Root Operation using QCA	314	Oral
42.	ELX-12	N. A. Shah, F. A. Khanday, F. Bashir	Some Applications of Switched Current (SI) Circuits	314	Oral
43.	ELX-13	N. A. Shah and F. A. Khanday	Multiple-Input-Single-Output (MISO) Biquad Filter Using Low-Voltage Current Mirrors	315	Oral
44.	ELX-14	Farkhanda Ana and H. Najeeb-ud-din Shah	Silicon-on-Insulator: Future of CMOS	315	Oral
45.	ELX-15	N. A. Shah and Sheikh Ajaz Bashir	Current Differencing Buffered Amplifier as a Versatile Active Building Block in Filter Design	326	Oral
46.	ELX-16	N. A. Shah and Sheikh Ajaz Bashir	CDBA Based VM All Pass Filter Design	352	Oral



<b>Session 3: Mathematics &amp; Statistics</b> MT-1 to MT-8 and ST-1 to ST-7	<b>Chair: Prof. Aziz-ul-Azim</b> <b>Rapporteur: Dr. Anwar Hassan</b>	<b>Friday 3<sup>rd</sup> December 2010</b> <b>2.30 p.m. to 5.30 p.m.</b>
---	---	---

**Lead Lecture: Prof. S. K. Sharma**

Sr.	Abt. No.	Author/s	Title of Paper	Page	Mode
1.	MT-1	Abdullah Mir and Sajad Amin Baba	Some Integral Inequalities for the Polar Derivative of a Polynomial	283	Poster
2.	MT-2	Mukhtar Ahmad Khanday	Mathematical Study of Tissue Damage and Fluid Loss due to Hypothermic Conditions in Human Peripherals	283	Oral
3.	MT-3	Mukhtar Ahmad Khanday	Finite Element Estimation of One-Dimensional Unsteady State Heat Regulation in Human Brain Exposed to Cold	283	Oral
4.	MT-4	Mukhtar Ahmad Khanday	Three Dimensional Models for the Temperature Variations in Human Body due to Cold Stress	284	Oral
5.	MT-5	W. M. SHAH	Integral Estimates for the Family of B-Operators	284	Oral
6.	MT-6	N. A. Rather and Faroz Ahmad	On the Critical Points of a Polynomial	285	Oral
7.	MT-7	Romesh Kumar	Composition Operators on Orlicz-Lorentz Spaces	285	Oral
8.	MT-8	Tawheeda Rasool	On the location of Zeros of a Polynomial	352	Oral



9.	ST-1	Bilal Ahmad Bhat, S. P. Ahmad and Hummara	An Extension of Rayleigh Distribution with Bayesian Estimation Using R-Software	286	Oral
10.	ST-2	S. Maqbool and A. H. Mir	Optimum Allocation in Multivariate Response Errors: A Separable Programming Approach	286	Oral
11.	ST-3	S. Maqbool, A. H. Mir and Nageena Nazir	Role of Stratification in Sample Surveys	286	Oral
12.	ST-4	Wasim Raja and S. Maqbool	Bayesian Analysis of Hierarchical Linear Models Using Agricultural Experiments	287	Oral
13.	ST-5	S. P. Ahmad, Bilal Ahmad Bhat and Raja Sultan	An Extension of Extreme-Value Distribution with Bayesian Estimation Using S-PLUS Software	287	Oral
14.	ST-6	Bilal Ahmad Bhat, Anwar Hassan, A. B. Khan and T. A. Rather	An Extension of WEIBULL Distribution with Application	288	Oral
15.	ST-7	Nageena Nazir, A. H. Mir and Showkat Maqbool	To Assess the Effect of Different Locations using R-Software in Statistical Analysis of Field Experiments	344	Oral



<b>Session 4: Physical Science; PHY-1 to PHY-11</b>	<b>Chair: Prof. Farooq Ahmed Rapporteur: Dr. Shakil Ahmad Simnani</b>	<b>Saturday 4<sup>th</sup> December 2010 10.00 a.m. to 1.30 p.m.</b>
---	---	--

Sr.	Abt. No.	Author/s	Title of Paper	Page	Mode
1.	PHY-1	Abida, M. Ikram, Ravi Kumar and P. Thakur	X-Ray Absorption Studies of Ni doped Gadolinium Orthoferrite	317	Oral
2.	PHY-2	S. Mufti, and S. Chatterjee	Monte Carlo Simulated Sensitivity and Energy Response of Lead-Free Gulmarg Neutron Monitor	317	Oral
3.	PHY-3	Feroz Ahmad Mira and M. Ikram	Local Symmetry Breaking in PrFeO <sub>3</sub> Thin Films and other Similar Systems after Ni Doping: A Brief Raman study	318	Oral
4.	PHY-4	Suram Singh, Chetan Sharma, Arun Bharti and S. K. Khosa	Nuclear Structure Properties of <sup>129</sup> Ba	318	Oral
5.	PHY-5	Chetan Sharma, Deepti Sharma, Suram Singh, Arun Bharti and S. K. Khosa	Study of Deformation Systematics in some N=62 Isotones	319	Oral
6.	PHY-6	Sebiha Rehman and Waseem Bari	Swift Heavy Ion Modification of Sol-Gel Prepared ZnO Nano-Crystalline Films Irradiated with 120 MeV Au <sup>9+</sup> ions.	320	Oral
7.	PHY-7	Basharat Want, Farooq Ahmad and P. N. Kotru	Dielectric and Ferroelectric Behaviour of Terbium Tartrate Trihydrate Crystals	321	Oral
8.	PHY-8	Tabasum Masood, Naseer Iqbal, M. N. Vahia and Aniket Sule	Indian Record for Kepler's Supernova	321	Oral
9.	PHY-9	M. R. Wani, Naseer Iqbal, Waseem Bari and Sudipta Sasmal	Possible Studies of Vlf Radio Waves for Sudden Ionospheric Disturbances (Sid) in Kashmir Region	322	Oral
10.	PHY-10	Nazir Ahmad, Feroz Ahmad, M. Ikram and K. Asoken	Structural and Transport Study of Ni Substituted SmFeO <sub>3</sub> Pervoskite System	322	Oral
11.	PHY-11	M. S. Khan and Naseer Iqbal	Lee Yang Theory for Cosmological Many Body Problem	323	Oral
12.	PHY-12	Jahangir Ahmad Dar	Theory of Space – Time Stability and the Space-Time Stability Model of the Universe	323	Oral





### *Statistical Information*

A total of **505 abstracts**, including **91** in Agricultural Sciences, **5** in Sericulture, **12** in Engineering Science, **14** in Geography, **6** in Geology, **44** in Environmental Science, **19** in Home Science, **55** in Botany, **65** in Zoology, **23** in Biochemistry, **18** in Biotechnology, **4** in Molecular Biology, **17** in Medical Science, **26** in Pharmaceutical Science **33** in Chemical Science, **30** in Computer Science, **16** in Electronics, **8** in Mathematical Science, **7** in Statistics and **12** in Physical Science will be presented during the Congress.

To accommodate such a huge number, five sections have been created. These are: **(I) Agricultural & Engineering Sciences, (II) Earth, Environment & Home Sciences, (III) Life Sciences, (IV) Applied/Molecular Biology, Pharmaceutical & Medical Sciences and (V) Chemical, Mathematical & Physical Sciences.**

The **number of Scientists/Researchers/Scholars**, who have contributed their abstracts and are going to present their research findings is **920**. The contributors are from various **International & National** Research, Technical, Professional and Educational Institutions.

Abstracts of **4 Scientists/Researchers from 3 International Institutes** namely: (i) University of Mississippi, **USA**; (ii) Florida Hospital, Florida University, **USA**; and (iii) MIMOS, **Malaysia** are going to be presented during the Congress.

From different states of **India, 115 contributors from 37 Institutions** including: Allahabad Agricultural University, Allahabad, U.P. (10); IG Agricultural University, Raipur, U.P. (1); Barkatullah University, Bhopal (12); MHRD, Govt. of Bihar (2); Loyale College, Chennai (2); Annamalai University, Chennai (2); Delhi University (1); Central Water Commission, New Delhi (1); Interuniversity Accelerator, New Delhi (1); National Institute of Criminology & Forensic Science, New Delhi (1); AIIMS, New Delhi (1); Jamia Millia Islamia, New Delhi (3); Jamia Hamdard, New Delhi (6); Kurukshetra University (1); IG National College, Kurukshetra (1); BARC, Kolkata (1); SG PG Inst. of Medical Science, Rai barielly (1); Institute of Pharmaceutical Science & Research, Pune (1); CCS University, Meerut (10); Analytical & Research Development, Mohali, Punjab (2); College of VS & AH, MP (1); Jiwaji University, Gwallior (1); University of Gwallior (1); IGNOU (2); Pune University (1); Institute of Microbial Technology, Chandigarh (1); Punjab University (1); Punjabi University (3); BRA NIT Jalandahar (1); St. Jones Colleg, Agra (2); BRA University, Agra (6); Aligarh Muslim University, UP (19); Central PR University, Meerut (3); Meerut College (4); Punjab Agricultural University (6); Bundhelkhand University, Jhansi (2); Utrakhand Technical University (2).

The contributors from **30 Institutions of J&K state number 418**. These include: Jammu University (53); Agricultural Sciences, SKUAST(K) (151); F/O Fisheries, Alsteng (6); FVSc & AH, Shuhama (14); SKUAST-J (2); BGSBS University, Rajouri (3); Islamic University of Science & Technology, Awantipora (6); SMVD University, Katra (5); NIT, Srinagar (36); SKIMS, Soura (36); Medical College, Srinagar (4); Medical College, Jammu (2); IIM, Srinagar (13); IIM, Jammu (20); BARC, Srinagar (5); CSR & TI, Pampore (7); CITH, Srinagar (4) and D&FC Org. (2); Drug Control Lab, Dalgate (3); Env. & RS, Bemina (3); Dept. of Agriculture, J&K Govt. (4); CGW Board Jammu (2); MIET, Jammu (2); SCST, J&K (1); DOEACC (2).

**24 Teachers from 7 Colleges** also want to avail this opportunity to present their research findings during the Congress. In addition 3 School Teachers have also contributed their papers for presentation.

**319 Scientists/Scholars from 22 Departments/Centres of University of Kashmir** are going to participate, who belong to Botany (**54**); Zoology (**39**); Environmental Science/CORD (**38**); Biochemistry (**35**); Pharmaceutical Science (**31**); Chemistry (**26**); Biotechnology (**14**); Geography & Regional Development (**13**); Geology & Geophysics (**12**); Home Science & Food Science & Technology (**11**); Computer Science (**10**); Electronics & IT (**9**); Physics (**7**); Mathematics (**5**); Statistics (**4**); RRIUM (**4**); IT & SS (**1**); The Business School (**1**); Education (**1**); Law (**1**); and USIC (**1**).