



# International Workshop

on

## *Medicinal Plants: Conservation & Sustainable Use*

Quaid-i-Azam University

Islamabad, Pakistan

December 8-10<sup>th</sup>, 2011

### WORKSHOP PROGRAM

Organized by:

*Department of Biotechnology,  
Quaid-i-Azam University, Islamabad*





## Day 1 - December 8<sup>th</sup>, 2011

Time	Presenter	Description
09.00-09.45am		Registration of the Participants
<b>Inaugural Session (Earth Sciences Auditorium)</b>		
09.45-10.00am		Guest to be Seated/ Arrival of Chief Guest
10.00-10.05am	Hafiz Wasimullah	Recitation of Holy Quran
10.05-10.15am	Dr. Asghari Bano	Welcome Address
10.15-10.35am	Dr. Z. K. Shinwari	Medicinal Plant Research in Pakistan: SWOT
10.35-10.45am	Dr. M. Yasinzai	Vice Chancellor's Vision
10.45-11.00am	Dr. Javed Laghari	Inaugural Speech
11.00-11.05am	Dr. Asghari Bano	Vote of Thanks
11.05-11.20am		<b>Tea Break</b>
<b>First session – Theme – Review Articles (International Relations Auditorium)</b>		
<b>Chairperson</b> – Dr. Khan B. Marwat <b>Rapporteur</b> – Dr. Shafique-Ur-Rehman <b>Facilitator</b> – Imran Afzal		
11.30-11.45am	Dr. M. Ashraf	Medicinal flora of the Cholistan desert: A Review
11.45-12.00pm	Dr. Melanie Schori	DNA Barcoding as a means for identifying Medicinal Plants of Pakistan
12.00-12.15pm	Dr. Abdul Ghafoor	Phytotherapy: Research gaps in Pakistan
12.15-12.30pm	Dr. Ibrar Shinwari	Phytotoxicity Evaluation in Medicinal Plants and Weeds from Pakistan for Environmental Risk Assessment
12.30-12.45pm	Shujaul Mulk Khan	Residual Value Analyses of the medicinal flora Of Western Himalayas, the Naran Pakistan
12.45-01.00pm	Dr. Sheikh M. Iqbal	Edible and Poisonous Mushrooms of Pakistan





Time	Presenter	Description
1.00-1.10pm	Dr. K. B. Marwat	Concluding Remarks by Chair
1.10-2.00pm	<b>Lunch &amp; Prayer Break</b>	
<b>Second Session – Theme - Tissue Culture/Cultivation</b>		
<b>Chairperson – Dr. Ajmal Khan Rapporteur – Dr. Mushtaq Ahmad Facilitator – Akhtar Nadhman</b>		
2:00-2:15pm	Dr. Nazila Azhar	Water stress mediated changes in growth, physiology and secondary metabolites of Desi Ajwain ( <i>Trachyspermum ammi</i> L.)
2.00-2.15pm	Dr. Mansoor Hameed	Seasonal variation in some medicinal and biochemical ingredients in a potential medicinal plant <i>Mentha longifolia</i> (L.) huds.
2.15-2.30pm	Dr. Rukhsana Jabeen	Medicinal Plants: A potent Antibacterial source against Bacterial Leaf Blight (BLB) of Rice
2.30-2.45pm	Mubarak Ali Khan	In-vitro plant regeneration in <i>Sinapis alba</i> and evaluation of its Radical Scavenging Activity
2.45-3.00pm	Muhammad Ali	Shoot organogenesis and antioxidant potential in regenerated tissues of <i>Carthamus oxyacantha</i>
3.00-3.15pm	Dr. Ajmal Khan	Concluding Remarks by Chair
<b>Day 2 - December 9<sup>th</sup>, 2011 Third Session – Theme – In-Vitro Biocontrol Studies</b>		
<b>Chairperson – Dr. Allan Showalter Rapporteur – Dr. Bilal Abbasi Facilitator – Rabia Saba</b>		
09.00-09.10am	Dr. Z. K. Shinwari	Overview of Day 1
09.10-09.25am	Dr. Tariq Mukhtar	Efficacy evaluation of <i>Azadirachta indica</i> , <i>Calotropis procera</i> , <i>Datura stramonium</i> and <i>Tagetes erecta</i> against root-knot nematodes <i>Meloidogyne incognita</i>
09.25-09.40am	Dr. Jehan Bakht	Antimicrobial potentials of <i>Eclipta alba</i> by Well Diffusion Method
09.40-09.55am	Dr. Asif Ahmad	Antimicrobial Activity, Phytochemical Profile and Trace minerals of Black Mulberry ( <i>Morus nigra</i> L.) Fresh Juice
09.55-10.10am	M. Zameer Kayani	Evaluation of Nematicidal effects of two medicinal plants, <i>Cannabis sativa</i> L. and <i>Zanthoxylum alatum</i> Roxb. against Root-knot nematodes, <i>Meloidogyne incognita</i>
10.10-10.25am	Faizan Ullah	In-Vitro Inhibition Potential of four Chenopod Halophytes against Microbial Growth
10.25-10.40am	Dr. Hameeda A. Qureshi	Insecticidal properties of Bark, sapwood and heartwood Extracts of <i>Eucalyptus commeldulensis</i> , <i>Dalbergia sissoo</i> and <i>Acacia arabica</i>
10.40-10.50am	Farah Gul	Ethnobotanical studies of herbal remedies for skin diseases among the local communities of Northern Punjab





Time	Presenter	Description
10.50-11.00am	Dr. A. Showalter	Concluding Remarks by Chair
11:00-11.30am	Tea Break	
<b>Fourth Session – Theme – Ethnobotany</b>		
<b>Chairperson – Dr. M. Qaiser Rapporteur – Dr. Melanie Schori Facilitator – Saira Karimi</b>		
11.30-11.45am	Dr. Zafeer Saqib	Species Richness, Ethnobotanical Species Richness and Human Settlements along a Himalayan Altitudinal Gradient: Prioritizing Plant Conservation in Palas Valley, Pakistan
11.45-12.00pm	Faizan Ullah	Traditional drug therapies from various medicinal plants of Central Karakoram National Park Gilgit-Baltistan, Pakistan
12.00-12.10pm	Adeel Mahmood	Etnobotanical Survey of plants from Nellum Valley, District Nellum, AJK, Pakistan
12.10-12.20pm	Shehla Shinwari	Ethnobotanical Study of Kohat Pass (Pakistan)
12.20-12.30pm	Umayya Tariq	Ethnobotanical wisdom of village Boobri, Islamabad
12.30-12.40pm	Samar Naseer	Medico-Botanical plants from Phulgran Village, Islamabad
12.40-12.50pm	Sarwat	Ethnobotanical Studies of Women Specific Diseases among the Local Communities of District Swat.
12.50-01.00pm	Dr. M. Qaiser	Concluding Remarks by Chair
01.10-02.00pm	Lunch & Prayer Break	
<b>Fifth Session – Theme - Chemical/Animal Studies</b>		
<b>Chairperson – Dr. M. Ashraf Rapporteur – Dr. Rehana Asghar/Dr. Seema Mehmood Facilitator – Humaira Zafar</b>		
2.00-2.15pm	Dr. Adnan Younis	Supercritical CO2 extraction and Gas Chromatography Analysis of <i>Jasminum sambac</i> essential oil
2.15-2.30pm	Nazif Ullah	Antioxidant, Antitumor activities and Phytochemical investigation of <i>Hedra nepalensis</i> k.: An important Medicinal Plant from Pakistan
2.30-2.45pm	Hina Fazal	Physico-Chemical, Phytochemical Evaluation and DPPH-Scavenging Antioxidant Potential in Medicinal Plants



Time	Presenter	Description
2.45-3.00pm	Dr. M Qaiser	Role of Plant Taxonomy in Natural Product Chemistry
3.15-3.45pm	<b>Concluding Session and Certificate Distribution</b>	
5.00-6.00pm	<b>PBS's Council Meeting for PBS members at Biotechnology Department QAU</b>	
<b>Day 3 - December 10<sup>th</sup> 2011 - Trip to Qarshi Industries</b>		
08.30am		Departure (sharp)
10.30-11.00am	<b>Arrival at Industries</b>	Refreshments
11.00-11.20am		Presentation by Industry Representative
11.20-11.35am	Dr. A. Bano	
11.35-11.50am	Allan Showalter	Speech
11.50-12.00pm	CEO-QIL	Speech
12.00-12.15pm		Discussion and Questions
12.15-12.30pm		Group Formation
12.30-2.00pm		Group Tours
2.00-3.00pm		<b>Lunch</b>
3.00-4.00pm		Group Tour
4.00-4.20pm		<b>Tea and Gifts</b>
4.30pm		Departure

