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# PSF NEWS

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## From the Chairman



"And Allah has sent down rain from the sky and given life thereby to the earth after its lifelessness. Indeed in that is a sign for a people who listen." (Qur'an, 16:65).

Water is a huge life-providing theme in the Qur'an. God talks about how He creates life through water then sustains it by streams, the rains, rivers and oceans that are homes for so many creatures.

In the Qur'an, Allah Almighty uses the analogy of life and death for Muslims to recognize the value of water. Prophet Muhammad (Peace Be Upon Him), said that one day people will wage war

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## 'Horizon 2020' to Integrate Pakistan into World Economy, Say S&T Minister & EU Ambassador



Federal Minister for S&T Mr. Zahid Hamid addresses Awareness Seminar on Horizon 2020. EU Acting Ambassador Mr. Pierre Mayaudon, NUST Rector Engr. Muhammad Asghar, EU Regional Scientific Counselor Denis Dambois and HEC Chairman Prof. Mukhtar Ahmad are also present.

An Awareness Seminar on HORIZON 2020 – EU Research and Innovation Program was held at National University of Science and Technology (NUST) on April 25, 2014.

The Seminar was jointly organized by Ministry of Science and Technology (MoST), Pakistan Science Foundation (PSF), European Union (EU), NUST and Higher Education Commission (HEC) for building a science bridge between the EU and Pakistan. Over 300 Scientists and Technologists from Academia and R & D Organizations participated in this Seminar.

Federal Minister for Science and Technology (S&T) Mr. Zahid

Hamid was the Chief Guest while EU Acting Ambassador Mr. Pierre Mayaudon, PSF Chairman Prof. Dr. Khalil Ahmed Ibupoto, NUST Rector Engr. Muhammad Asghar, EU Regional Scientific Counselor Denis Dambois and HEC Chairman Prof. Mukhtar Ahmad were also present on this occasion.

The EU Acting Ambassador and the Federal Minister and the EU Ambassador in their addresses agreed that the 'Horizon 2020 Programme' will bring the EU and Pakistani communities together through research and innovation in various fields ranging from agriculture, energy, climate change to biotechnology, safety and security.

The Minister observed that the program of Horizon 2020 offers great enhanced cooperation in the field of S&T between Pakistan and the EU and improved access to knowledge-based international markets. If the opportunities offered by the program were properly availed and a strong research and technological base established, it would have a beneficial and salutary effect on efforts to take advantage of opportunities offered by GSP+. This was the reason Horizon 2020 was being termed as a bridge of science between the EU and Pakistan, the minister viewed.

The Ambassador stated that Horizon 2020 could enhance the

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### Training Workshop on Traveling Expo



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From the Chairman

*over rivers of gold. He was talking about water. We have taps that fill our basins with gold, but we cannot afford overflows while people wait for the rains. Third-world countries in desert climates are counting on us to give the cost of our water to them.*

*By starting something simple like a well-fundraiser one can kick-start a chain reaction that will motivate others to do the same. People can be motivated to preserve water by following the Prophetic call of Eco-Wudhu (ablution) and preserving water. Whomever receives your well/water-pump will be able to plant crops, fruits and trees for generations.*

*Pakistan Science Foundation (PSF) is making tireless efforts to promote science in the country. Keeping in view the importance of water for sustainability of life on earth, the Foundation in collaboration with Embassy of France in Pakistan and Center Sciences France, has arranged an International Travelling Expo titled "Water at the Heart of Science". The Exhibition is aimed at making students and general public aware of water importance and its sustainable use to halt the fast depletion of water sources. The Expo will travel to different cities of the country to create awareness on the subject. The students, general public and R&D organizations should make full use of this opportunity and start action to conserve water for prosperity and peace of future generations.*

integration of Pakistan in the world economy through a more diversified and high quality delivery of products and services as well as provide longer term benefits such as much needed job creation. The seminar was also addressed by the Rector NUST, the EU's Regional Scientific Counselor and the HEC Chairman.

It is pertinent to mention that Pakistan Science Foundation (PSF), as the focal organization of Ministry of Science and Technology (MoST) for European Union's Research and Innovation Program HORIZON-2020 has already developed a roadmap in coordination with the Deputy Head of European Union to Pakistan, MoST and HEC after arranging a number of meetings in PSF to reach the highest

possible degree of awareness about this program in Pakistan. Under this plan, information seminars at the Federal and Provincial levels have to be organized in collaboration with the European Union Delegation to Pakistan, MoST, HEC, NUST and other stakeholders to improve understanding of how the program operates.

Of the series of awareness seminars, a Video-Conference was organized at European Union Delegation to Pakistan Office on April 01, 2014 and Awareness Seminars at NUST, Islamabad and Lahore University of Management Sciences (LUMS), Lahore on April 24 and April 25, 2014. PSF took a responsibility to facilitate scientists, engineers and technopreneurs to develop and

submit high quality projects for funding under this program.

It is worth mentioning that PSF also organized a Seminar on "EU Seventh Framework Program (Fp7, 2007-2013)" in collaboration with Ministry of Science and Technology (MoST) and EU Delegation to Pakistan at Islamabad on September 12, 2012 to facilitate our researchers to get full benefit from this program. A big number of participants from all over the country attended this Seminar. With the collaborative support of Ministry of Science and Technology and European Union Delegation to Pakistan, Pakistan Science Foundation is making all its efforts to enhance the utility of HORIZON-2020 Program for our researchers and other stakeholders.

## PSF & PMAS-AAUR Sign MoU for Scientists Capacity Building

A Memorandum of Understanding (MoU) was signed between Pakistan Science Foundation (PSF) and Pir Mehar Ali Shah Arid Agriculture University Rawalpindi (PMAS-AAUR) on March 14, 2014 at PMAS-AAUR to develop cooperation and collaboration for capacity building of Pakistani scientists, teachers and students through mutual collaborative activities and S&T initiatives in various fields of Sciences including Agricultural Sciences with particular focus on arid and semi arid regions, which can result in betterment of general economic conditions of the masses.

PSF Chairman Prof. Dr.



PSF Chairman Prof. Dr. Khalil Ahmed Ibupoto and PMAS-AAUR Vice Chancellor Prof. Dr. Rai Niaz Ahmed sign the MoU in the presence of Punjab Governor Muhammad Sawar at PMAS-AAUR.

Khalil Ahmed Ibupoto and PSF Member Finance Mr. PMAS-AAUR Vice Haider Zaman Khattak and Chancellor Prof. Dr. Rai Niaz Chief Scientific Officer Dr. Ahmad signed the MoU on H.U. Khan as well as other behalf of their respective dignitaries and University organizations in the presence Faculty members were also of Honorable Governor present on this occasion. Punjab Muhammad Sawar. Under this MoU, PSF and

### Quote of the Month

We often think that when we have completed our study of one we know all about two, because "two" is "one and one." We forget that we still have to make a study of "and."

- Arthur Eddington



PMAS-AAUR mutually agreed that both organizations will work together for promotion of different disciplines of science with special focus on agriculture in arid areas of the country. Both the institutions will undertake joint initiative for attracting students towards science and improve science teaching through training of pre-service teachers.

Speaking on the occasion, Governor Punjab Muhammad Sarwar appreciated PSF and PMAS-AAUR for forging collaboration and play their role in socio-economic development of the country.



PSF Chairman Prof. Dr. Khalil Ahmed Ibupoto and PMAS-AAUR Vice Chancellor Prof. Dr. Rai Niaz Ahmed exchange documents after signing the MoU in the presence of Punjab Governor Muhammad Sarwar.

## Traveling Expo “Water at the Heart of Science” **2-DAY Training Workshop Held at PSF**



Mr. Guy Antoine from Centre Sciences, Orleans, addresses participants of Training Workshop on the International Travelling Expo on Water at Pakistan Science Foundation on April 29, 2014. PSF Chairman Prof. Dr. Khalil Ahmed Ibupoto, Ms. Martine HAMIDI, French Counselor for Cooperation and Cultural Affairs, Mr. Haider Zaman Khattak, Member Finance, PSF and Dr. H.U. Khan, Chief Scientific Officer, PSF are sitting on the stage.

International Traveling Expo 2014.

“Water at the Heart of Science”, In this connection a 2-day Workshop for training on installation and explaining exhibits to visitors was held at PSF. The inaugural session of the Workshop was held on April 29, 2014. PSF Chairman Prof. Dr. Khalil Ahmed Ibupoto

presided over inaugural session

while Ms. Martine HAMIDI, French Counselor for Cooperation and Cultural Affairs, Mr. Guy Antoine from Centre Sciences, Orleans, France, Mr. Haider Zaman Khattak, Member Finance, PSF and Dr. H.U. Khan, Chief

Scientific Officer, PSF were also present on this occasion. Teachers from Federal Directorate of Education and officers/officials from PSF attended the training aimed at handling, installation and explaining the displays of the Expo to the visitors. French Expert Mr. Guy Antoine conducted the training.

Speaking on this occasion, Dr. Ibupoto said that water issue was one of the 21st century's greatest challenges. Abundant but unequally distributed on Earth, this resource is today threatened by climate change and the dangers of overuse, he said that improving access to water, which is still suffering from glaring disparities, is one of the Millennium Development Goals. The Chairman said the Expo will create awareness on water issues and its conservation. He hoped that the Expo will be as successful as the previous ones.

Ms. Martine HERLEM HAMIDI said Pakistan Government is committed to popularization of science for a





Mr. Guy Antoine from Centre Sciences, Orleans, is conducting the Training Workshop on the International Travelling Expo on Water at Pakistan Science Foundation on April 29, 2014.

better future of the world and we are happy to jointly work with it for the last so many years. She said the Expo is meant to create awareness on water resources and issues and find solutions to them.

Giving an introduction of the Expo, Dr. Naushaba Nadeem, Principal Scientific Officer, PSF, said the Foundation started arranging International Travelling Expos in 2008 in

collaboration with Embassy of France in Pakistan and Centre Sciences-Orleans-France. She said in this regard, Expos on the themes of Mathematics, Environment, Biodiversity, Chemistry and Energy have already been held in various cities and towns of Pakistan. PSF has also inked MoU with Centre Science, Orleans-France for arranging and co-producing Expos in Pakistan.



PSF Chairman Prof. Dr. Khalil Ahmed Ibupoto gives certificate to a participant of the Training Workshop.

Dr. Naushaba said this year PSF is going to organize International Traveling Expo on Water titled "Water at the Heart of Science" in collaboration with Centre Sciences-CCSTI, Orleans, France and French Embassy in Pakistan. She said the Expo will travel from Islamabad to Sargodha, Mirpur (AJK), Peshawar and conclude at Quetta. She said it will provide a great opportunity

to the students, faculty members, researchers and general public to get firsthand knowledge about water, its resources and their proper usage. She said the launching ceremony of the Expo in Pakistan will held on 6<sup>th</sup> May, 2014 at PSF Auditorium and the expo will be opened for students and general public from 7<sup>th</sup> May, 2014 in one of the model schools of Islamabad and then it will travel ahead. Mr. Guy Antoine said this Expo has been prepared by Centre Sciences France, with support of other stakeholders. The Expo on water is richly illustrative and educational, which gives more insight into the key role that research has to play in the sustainable management of water as a vital, indispensable resource for development. The training session was closed on 30<sup>th</sup> April. Prof. Dr. Khalil Ahmed Ibupoto, Chairman, PSF and Mr. Guy Antoine, French Master Trainer distributed certificates among participants of the workshop.



A group photo of participants of the training workshop with PSF Chairman Prof. Dr. Khalil Ahmed Ibupoto and Trainer Mr. Guy Antoine.

## Inquiry Based Science Education Programme Reviewed

PSF has initiated an Inquiry Based Science Education Program – La main la pate (LAMAP) in collaboration with Academy of Sciences France, Embassy of France in Pakistan, and Federal Directorate of Education (FDE). In this regard,

a number of training workshops and review meetings have been conducted time to time. PSF has also established science clubs in selected schools of Rawalpindi/Islamabad. To review the impact of previously organized workshops and

progress of science clubs, a review meeting was arranged on 23<sup>rd</sup> April, 2014 at Training Wing, FDE Islamabad. Teachers and Principals from LAMAP associated schools participated.

In the Inaugural Ceremony,

Mrs. Perveen Akhter, Area Education Officer (Urban) delivered welcome address. On the occasion, Dr. Tanveer-uz-Zaman, Dean, Faculty of Education, AIOU, was the Guest of Honor. Dr. Naushaba Atta, PSO, PSF, Mr. Abdul





Dr. Tanveer-Uz-Zaman, Dean Faculty of Education, AIOU, addresses the LAMAP associated teachers.



A teacher gives his views during the Review Meeting on Inquiry Based Science Education, at Federal Directorate of Education.

Rauf, SSO/Coordinator based science learning LAMAP and Mr. Nadeem approach at grass root level. He Ahmed, Assistant Director (Training), FDE, were also present. Dr. Tanveer-uz-Zaman, Dean, Faculty of Education, AIOU, appreciated the efforts of PSF and FDE to implement the IBSE. He stressed that teachers should work with devotion and focus on effective teaching methodology, especially teaching science. He emphasized the use of inquiry

based science learning approach at grass root level. He said the knowledge delivered by this approach is long-lasting and will lead to assimilation of maximum knowledge. Dr. Naushaba Atta, PSO, PSF presented a brief report on IBSE in Pakistan.

In the Technical Session, teachers and principals gave their feedback about IBSE. Mr. Abdul Rauf, SSO/Coordinator LAMAP conducted the

technical session. All the participants acknowledged the effectiveness of the said program. They also shared their issues and problems regarding implementation of IBSE in the classes. The feedback was provided by the teachers on prescribed proforma. The status/progress of Science Club was also discussed. Teachers also submitted their next academic annual plan for teaching science through IBSE.

In the closing session, Dr. H.U. Khan, CSO / Secretary was the Chief Guest. Mr. Haider Zaman Khattak, Member Finance, PSF was also present. Dr. H U Khan addressed the teachers and Principals and said that PSF is collaborating with Embassy of France and FDE for implementation of IBSE. He thanked the collaborative organizations. He also said that more teachers training workshops will be conducted and PSF will also establish more science clubs.

He stressed that for invention and research, thinking attitude is of vital importance. For disseminating Science Education at Primary and Secondary levels, IBSE is the best possible way.

At the end, Mr. Nadeem Ahmed, Assistant Director (Training), Federal Directorate of Education, gave vote of thanks and also assured of the Directorate's best possible cooperation in future.



Mr. Abdul Rauf, SSO conducting the technical session of the IBSE Review Meeting.

## Students Short-listed for participation in London International Youth Science Forum

In connection with participation test/interview was conducted on of 3-4 Pakistani students in 26<sup>th</sup> April, 2014 at PSF. Thirty-London International Youth eight students were short-listed on Science Forum 2014, the basis of their aggregate marks

in SSC and HSSC. Thirty-four Interview. The interview was students appeared in the test. Out conducted by a panel of eminent of 34, 20 students were called for scientists and experts.



Students take written test for participation in LIYSF 2014.



A committee headed by the PSF Chairman interviews a student for selecting participants of LIYSF 2014.



## Participation in City School's Annual Day “Amalgamation of Talents”



PSF Chairman Prof. Dr. Khalil Ahmed Ibupoto addresses the Annual Day function of the City School.

The City School celebrated Annual Day titled “Amalgamation of Talents” on 5<sup>th</sup> April, 2014 at Shah Abdul Latif Bhattai Auditorium, Islamabad. Dr. Khalil Ahmed Ibupoto, Chairman, PSF graced the occasion with his presence. Dr. Naushaba Atta, PSO, PSF

was also present on this occasion. Dr. Ibupoto lauded the efforts of young children. The Chairman said that after watching the programme he learnt the real meaning of amalgamation. PSF also arranged planetarium show for students and their families. The function was a true Amalgamation of Creativity, Music and Art. GM EYE Ms. Ittrat Rubab Haider also appreciated the efforts of children and teachers. Headmistress Ms. Fazia Waqar said that the objective behind having co-curricular activities is to nurture the inborn talents of students to make them confident and responsible citizens of dear homeland.



General Manager EYE Ms. Ittrat Rubab Haider presents the School Shield to PSF Chairman Prof. Dr. Khalil Ahmed Ibupoto at the Annual Day function.

## Conference on “S&T and Engineering for Development” to be Held in June

Prof. Dr. Khalil Ahmed Ibupoto, Chairman, Pakistan Science Foundation, Dr. H. U. Khan, Chief Scientific Officer and Dr. Mirza Habib Ali, Team Leader, R&D-Industry Programme of PSF held a meeting with Christopher De Veer, Second Secretary, Economic Officer, Embassy of USA on April 3, 2014 to Organize a Conference on “Science, Technology and Engineering for Development” from June 2-7, 2014 at NUST and Serena Hotel in collaboration with PSF, HEC, NUST and U.S. Department of State.

Dr. Mirza Habib Ali, Team Leader, R&D-Industry Programme also attended a meeting convened by Prof. Ahsan Iqbal, Minister for Planning Development and Reform on 17<sup>th</sup> April, 2014 at Planning Commission. The focus of this meeting was to get valuable feedback regarding incubation, innovation, entrepreneurship, science parks and similar areas from the officers who have visited China to attend training course at Beijing International Business Incubation (IBI) since 2006.



Christopher De Veer, Second Secretary, Economic Officer, Embassy of USA, called on PSF Chairman Prof. Dr. Khalil Ahmed Ibupoto at the latter's office. PSF CSO Dr. H. U. Khan and R&D Industry Programme Leader Dr. Mirza Habib Ali are also present.

## Science Caravan Exhibitions

Pakistan Science Foundation's Science Caravan Peshawar Unit arranged Film and Planetarium shows at University Model School & College, Peshawar University and Islamic Model School Hayatabad Phase 6, Peshawar from 25-26<sup>th</sup> & 28-29<sup>th</sup> April, 2014 respectively. About 1,524 students and 42 teachers visited the shows. Urdu Science Encyclopedia, a set of books, Science Posters, Master Disaster Kit, Disaster Master

DVD and booklets were handed over to the Principals of the concerned schools. Over 200 students and teachers from Pak Junior School & College and The Lahore Lyceum School, Faisalabad visited the Science Centre, Faisalabad. Mr. Naeem Abbas, Assistant Director, Science Caravan, Punjab Unit briefed them about different models and exhibits on display at the Faisalabad Science Centre.





Mr. Naeem Abbas, Assistant Director, Science Caravan, Punjab Unit, PSF, briefing the students about scientific models displayed at Science Centre, Faisalabad.

## Areas of PSF, PMAS-AAUR Mutual Collaboration Discussed

A delegation of Pir Mehar Ali Shah Arid Agriculture University Rawalpindi (PMAS-AAUR), headed by the University Vice Chancellor (VC), Prof. Dr. Rai Niaz Ahmad, visited Pakistan Science Foundation (PSF) on April 15, 2014. Korean Professor Dr. Kil Ung Kim was also accompanying the delegation. The delegation held a meeting with the Foundation Chairman, Prof. Dr. Khalil Ahmed Ibupoto. Senior officers of PSF also attended the meeting. PSF Chief Scientific Officer (CSO) Dr. H. U. Khan gave a presentation to apprise the delegation of the Foundations, mandate, structure, functions, activities, achievements and future plans. During the meeting, possibility of collaboration between PSF, PMAS-AAUR and the Korean University was discussed in detail.



PMAS-AAUR delegation headed by the University Vice Chancellor (VC), Prof. Dr. Rai Niaz Ahmed holds a meeting with PSF Chairman Prof. Dr. Khalil Ahmed Ibupoto on April 15, 2014. Korean Professor Dr. Kil Ung Kim is also present.

## Important Meetings/Events

PSF Chairman Prof. Dr. Khalil Ahmed Ibupoto attended following important meetings/events in April 2014.

- A meeting regarding HRD Needs of S&T organizations, in the Committee Room, 4th floor, Faculty Block-1, COMSATS, Park Road, Islamabad on April 01.
- Presided over emergency meeting of Natural Sciences Linkages Programme (NSLP) Finance Management Committee at PSF on April 02.
- Chaired a meeting to review the Budget and Expenditures up to March 31, 2014 (FY 2013-14) in the Committee Room of PSF on April 03.
- Attended a meeting/presentation of Cabinet Committee on Restructuring, headed by Federal Minister for S&T at Ministry of Science and Technology on April 10.
- Chaired a meeting of Technical Committee on Agricultural Sciences at PSF on April 10, 2014.
- Attended 15th Convocation of PMAS Arid Agriculture University, Murree Road, Rawalpindi and a prize distribution ceremony on April 14.
- Gold Medal Awarding Ceremony in University of Veterinary & Animal Sciences, Lahore on April 17.
- Celebration of Norman Borlaug's 100th Birthday and Commemoration of 50 years of Pakistan – US Cooperation in Agriculture at Marriot Hotel, Islamabad on April 23.
- All Pakistan Inter-university Declamation Contest for Award of 16th Allama Iqbal Shield at HEC Auditorium, H-9, Islamabad on April 29.



# Pakistan Museum of Natural History (PMNH)

Editor: Dr. Saleem Ahmad, Curator

## PMNH Organizes Training Workshop on Dendrochronology



PSF Chairman Prof. Dr. Khalil Ahmad Ibupoto Chairs Inaugural ceremony of the workshop on Dendrochronology on 22<sup>nd</sup> April.

Botanical Sciences Division, PMNH organized one day training workshop on Dendrochronology on 22<sup>nd</sup> April at PMNH. Prof. Dr. Moinuddin Ahmed, Foreign Faculty Professor at the Department of Botany, Federal Urdu University of Arts, Science and Technology (FUUAST), Karachi, was the resource person of the workshop.

Chairman PSF, Prof. Dr. Khalil Ahmad Ibupoto was the Chief Guest of the inaugural ceremony. Speaking on the occasion, Dr. Ibupoto praised the efforts of the PMNH botanists for organizing the workshop on a subject not known commonly. Dr. M.K. Leghari, Director General, PMNH shed light on the activities and services being provided by PMNH. Dr. M. Akram Shaikh, Director General, PASTIC, congratulated PMNH for organizing training workshop on a little-known branch of Botany. Dr. Muhammad Rafique, Director, Zoological Sciences Division, delivered the welcome address. Dr. Moinuddin Ahmed, the



Dr. Moin showing how to collect sample from a pine tree in the nearby forest.

resource person, outlined the workshop. Dr. Saleem Ahmed, programme of the training Curator, BSD, delivered the

vote of thanks. Some 50 students and faculty members from NUST, Quaid-i-Azam University, Islamic International University, PMAS Arid Agriculture University, Rawalpindi, and Abdul Wali Khan University, Mardan, participated in the training workshop.

During the technical session, Dr. Moinuddin Ahmed explained the importance and methodology of dendrochronology with the help of power point presentations. He explained how the age of trees are calculated by counting its annual rings and how past climate can be understood thorough the study of the thickness of the annual rings. After the presentations, the participants were taken to the nearby forest for practical demonstration. Dr. Moin showed how to obtain samples from trees using the stem borer. The participants got the chance to practically use the borer for obtaining the sample.

On return from the field study, the participants were explained the Deodar tree trunk kept in the



Dr. Moin explaining dendrochronology of the Deodar tree trunk in the PMNH display centre.



Display Centre. The resource person explained about the annual rings visible in the trunk to the participants. Back in the audio-visual hall further demonstration using stereoscope and other equipment was given. At the final session, the participants were awarded certificates in the audio-visual hall of PMNH. The participants thanked PMNH for organizing workshop on the little-known field of Dendrochronology and imparting them practical training.



Group photo of the participants of the workshop with the DG, PMNH.

## Zoologist Discovers New Marine Fish from Pakistan

The fishes belonging to family Sparidae are bottom inhabitants found in shallow coastal waters to relatively deeper waters. The species in family Sparidae are commercially important, some are used in aquaculture while a few are also targeted in sports-fishing. All the sparid fishes are good in taste, consumed locally in Pakistan. It is also exported and fetches high prices in local as well as in international markets.

Currently, more than 139



Photograph of the holotype of *Sparidentex jamalensis* Amir et al., 2014

species in family Sparidae are *Sparidentex* from Pakistan has been described by researchers

from Zoological Sciences Division, opening new horizons in the field of marine fish systematics and taxonomy while contributing knowledge to the commercially important fisheries sector. This new species is named as *Sparidentex jamalensis* Amir et al., 2014. The finding has been accepted by Pakistan Journal of Zoology and published it in the second edition of its 46th volume in 2014.



*Morchella conica* growing in Shakarparian, Islamabad in early April

## Mycologist Discovers Morchella First Time in Islamabad

Morchella are a group of Incharge, Botanical Sciences larger fungi (macrofungi) Division, were able to find belonging to the Division many specimens of Ascomyceta of the kingdom *Morchella conica* growing in fungi. Species of this genus Shakarparian, Islamabad, in are edible and *Morchella* the first week of April. They collected and preserved these unique macro fungi America as a delicacy. In specimens in the Pakistan Morchella species Mycological Herbarium of grow in cool, mountainous the museum. Normally this species is found in cold, snowfall. However Dr. mountainous areas. Finding Muhammad Ismail, this species from Islamabad Associate Curator for the first time is a (Mycology) and Muddassar significant achievement of Fida, Senor Collection the PMNH botanists.



## Deodar Tree Trunk Display being Upgraded

Prof. Dr. Moinuddin Ahmed, Foreign Faculty Professor at Department of Botany, Federal Urdu University of Arts, Science and Technology, Karachi, has worked on the up-gradation of the 283 years old Deodar (*Cedrus deodara*) tree trunk put on display at the PMNH Display Centre. Using his expertise, Dr. Moin has marked the years in chronological order and will mark the important events of the history on the tree trunk. He also donated the tree borer for display along with a large panaflex board having important information on dendrochronology. The board will be displayed at the PMNH display Centre for informal education of the visitors on dendrochronology.



Dr. Moinuddin working on the upgradation of the Deodar tree trunk at PMNH Display Centre

## PMNH Bids Farewell to Retiring Personnel



Prof. Dr. Khalil Ahmed Ibupoto, Chairman, Pakistan Science Foundation chairing the farewell function on 2<sup>nd</sup> April. DG and Deputy DG, PMNH, are also present along with retiring officials Mr. Hamid Dawood Akbar (extreme right) and Mr. Muhammad Latif (extreme left).

A farewell party to honour the retiring officers and a staff member of PMNH was held in the PMNH audio-visual hall on 2<sup>nd</sup> April. Mr. Muhammad Akhtar Javed, Director General, PMNH had retired on 07<sup>th</sup> March. He was among the pioneers of PMNH and developed the Virtual Orientation Gallery. Mr. Hamid Dawood Akbar, Curator, ESD retired from PMNH service on 31<sup>st</sup> March. He had joined PMNH on January, 1987. Earlier he had worked in the Gemstone Corporation of



Mr. M. Akhtar Javed receiving gift from Prof. Dr. Khalil Ahmed Ibupoto, Chairman,



Mr. Hamid Dawood Akbar receiving bouquet from Prof. Dr. Khalil A. Ibupoto.



Pakistan. He was an expert on gemstones and had valuable contribution to geological research in PMNH. Mr. Muhammad Latif, Drying & Fumigating Assistant, BSD, PMNH retired on 1<sup>st</sup> April. Prof. Dr. Khalil Ahmed Ibupoto, Chairman, Pakistan Science Foundation, was the Chief Guest on the occasion. Dr. M.K. Leghari, Director General, PMNH, Dr. Muhammad Rafique, Deputy Director General, PMNH, Dr. Nayyer Iqbal, Director, Earth Sciences Division, PMNH, Dr. Saleem Ahmed, Curator, Botanical Sciences Division, were also present. The speakers paid rich tributes to the retiring personnel.

After the speeches, bouquets, gifts and cheques were presented to the retiring personnel by Prof. Dr. Khalil Ahmed Ibupoto, Chairman, PSF along with the Director General and Deputy Director General, PMNH.



Mr. Muhammad Latif receiving gift from Dr. Khalil Ahmed Ibupoto, Chairman, PSF.

## Pakistan Scientific & Technological Information Centre (PASTIC)

*Editor: Syed Aftab Hussain Shah*

### Training Workshop on “Advance Quantitative Analysis Through SPSS & AMOS” Organized



Group photo of Organizers, Resource Persons and Participants of Training Workshop on “Advance Quantitative Analysis through SPSS and AMOS.”

PASTIC in collaboration with Institute of Research Promotion, Lahore, organized a 2-day training workshop on April 4-5, 2014 on the topic of “Advance Quantitative Analysis through SPSS and AMOS”, at PASTIC National Centre, Islamabad.

Eighteen participants from 15 S&T Organizations and Universities attended the training programme. Dr. Zeeshan Ahmad Bhatti, Iqra University, Islamabad and Mr. Muhammad Arshad, University of Lahore, Lahore, were the resource persons of training. During the inaugural ceremony, Director General PASTIC, Dr. Muhammad Akram Shaikh in his welcome address highlighted the activities of PASTIC and the objectives of the workshop. He said that PASTIC is the pioneer organization in provision of S&T information services to scientific and researchers community of Pakistan since its inception. He further said that PASTIC also imparts training

on modern aspects of information handling and management techniques by

organizing workshops and training programmes for researchers, scientists and information professionals for preparing them to meet the challenges of this digital age.

Additional Director (STI), PASTIC Mr. Muhammad Aqil Khan gave closing remarks of the event and appreciated the interest of the participants to learn and apply advanced techniques through SPSS and AMOS.

The resource persons and participants were awarded shields and certificates, at the closing session of training workshop. The training on quantitative analysis through SPSS and AMOS was highly appreciated by the participants.

### 2nd Training Workshop on Scientific Research Tools to Start on May 7

PASTIC National Science Technological, Research & Reference (PNSR) Library is going to organize 2<sup>nd</sup> Training Universities located in Islamabad & Rawalpindi from May 7, 2014 to May 9, 2014 (02:00 – 05:30 pm) at PASTIC National Centre, Quaid-i-Azam University Campus, Islamabad.



## PASTIC Services Stall

**Faisalabad:** PASTIC Sub-Centre, Faisalabad organized a PASTIC Services Stall at Faculty of Agriculture, University of Agriculture, Faisalabad from April 23,

2014 to April 24, 2014.

A large number of researchers visited the stall and submitted their requisitions for supply of literature and relevant material,

which was emailed to them later.

**Quetta:** PASTIC Sub-Centre, Quetta, organized PASTIC Services Stall at Library of University of Balochistan on April 8, 2014.



Glimpses of PASTIC Services Stall at Faisalabad.

## Important Meetings/Trainings/Ceremonies Attended:

- Prof. Dr. Muhammad Akram Shaikh, Director General PASTIC attended Fourth Meeting of ORIC Forum on IPR (Rawalpindi/Islamabad Region) at ORIC, Quaid-i-Azam University, Islamabad on 2<sup>nd</sup> April, 2014.
- Prof. Dr. Muhammad Akram Shaikh, Director General PASTIC visited University of Engineering & Technology, Taxila as an Expert for re-accreditation of B.Sc. Software Engineering and B.Sc. Computer Engineering programs of the University.
- A meeting was held in D.G. PASTIC Office with IPO Representative on April 10, 2014 to discuss the modalities to formulate an IP awareness/training programme jointly organized by PASTIC and IPO across the country.
- Prof. Dr. Muhammad Akram Shaikh, Director General PASTIC (President KOICA Alumni Association of Pakistan) received appreciation certificate from Director General KOICA, Mr. Sung Choonki in recognition of the outstanding contribution to the Alumni Activities for the year 2013 and 2014 during a lunch meeting hosted by DG, KOICA, Pakistan.
- Director General PASTIC attended a workshop on Complex Problem Solving on April 24<sup>th</sup>, 2014 organized by Pakistan Engineering Council, Islamabad.
- Director General PASTIC attended Inaugural and Concluding Ceremonies of the International Conference on Balochistan History and Culture from April 28-30, 2014, organized by the National Institute of the Historical and Cultural Research, Centre of Excellence, Quaid-i-Azam University, Islamabad.
- Director General PASTIC attended a programme on "Horizon 2020" organized by NUST at Central Campus, H-12, Islamabad on April 25<sup>th</sup>, 2014.
- Mr. Saifullah Azim, Senior System Analyst, PASTIC imparted three days National training course at Pakistan Manpower Institute, Islamabad on the topics of "E-Government and Organizational Development" from April 23 to April 25, 2014. Forty Six people across the Pakistan participated in the training program.
- Mr. Saifullah Azim, Senior System Analyst Delivered talk on "Technology trends" on National Cyber Security Seminar organized by National Telecommunication and Information Security Board (NTISB) on 15<sup>th</sup> April, 2014 at Islamabad.
- Mr. Saifullah Azim, Senior System Analyst and Dr. Saima Huma Tanveer, SSIO, PASTIC presented project proposal for SAARC Development Funds at Ministry of Finance, Islamabad.

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