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Pakistan Science Foundation

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# PSF NEWS

March 2017

Monthly Newsletter of Pakistan Science Foundation

Vol. 15 No. 03

## From the Chairman



A couple of days ago I made a phone call to one of my college-time friends and asked what he is doing. The friend told me that presently he is working on a special research project. On my insistence the friend told me that he is currently working on "Aqua-thermal treatment of ceramics, aluminum and steel under a constrained environment". I was very impressed that still his love for research has not decreased. But later on thinking critically I came to know that he was washing utensils with hot water in kitchen under the supervision of his wife. This joke reminded me the

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## Progress through Science is the original progress: Prof. Ahsan Iqbal

Prof. Ahsan Iqbal, Federal Minister for Planning, Development and Reforms while inaugurating the 6<sup>th</sup> Annual Invention to Innovation Summit-2017 emphasized the need for scientific developments as only the science could bring original progress in the country.

The Summit was jointly organized by Pakistan Science Foundation (PSF), Pakistan Scientific & Technological Information Center (PASTIC), University of the Punjab, Lahore and Institute of Research Promotion (IRP) at Al-Razi Hall, Center for Undergraduate Studies,



Prof. Ahsan Iqbal, Federal Minister for Planning, Development and Reforms, PSF Chairman Prof. Dr. Muhammad Ashraf and others at inaugural session of Invention to Innovation Summit in Lahore on March 8, 2017.



Prof. Ahsan Iqbal, Federal Minister for Planning, Development and Reforms cuts ribbon to inaugurate the exhibition at Invention to Innovation Summit in Lahore on March 8, 2017.

University of the Punjab, Lahore, on March 8-9, 2017.

The Federal Minister spoke with grit and gumption while talking to researchers and industrialists. The progress made by Pakistan during last decade was artificial due to the aid coming in for Pakistan being involved as frontline state in war on terror which simply fizzled out as the dollars stopped, said the minister.

He urged the scientists that the progress through scientific endeavors is the progress in real terms with which the west is ruling the world. Pakistan has least number of students in the universities of west with

### Global Warming Predictions 2050 and Beyond



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From the Chairman

*nature of many research projects submitted to Pakistan Science Foundation (PSF) for funding. Though names of some projects often appear very attractive, their critical examination exposed their utility, productivity and applied nature.*

*Pakistan has a great talent and potential that only needs channelizing and proper direction to excel in the field of science and technology.*

*This is the point to ponder for the researchers. PSF has made the strict criteria that it will fund only those research projects that will produce some product and technology needed for development of the country. But this joke had another very important lesson that with our love for research, determination, experimentation and strong observation we can produce tangible results even while working in kitchen.*

*The researchers should also think on it as without genuine research we cannot excel in the field of science. The inventions of great scientists through observations in their daily life are living examples for all of us.*

around 5000 Pakistani students in US while this number for India goes above 100,000 and even for Iran who despite being under sanctions has more than 15,000 students in US alone.

Prof. Dr. Muhammad Ashraf, Chairman PSF, addressing the summit emphasized that Pakistani scientists should work in close collaboration with international scientists. He said that PSF has provided the scientists platforms for joint research collaboration with the scientists from China, Turkey, Iran and Sri Lanka.

Prof. Dr. Tahir Jamil, Director, ORIC, University of the Punjab gave the welcome note to the summit participants. Mr. Abid H. K. Sherwani, CEO, Institute of Research Promotion, Dr. Hasn Sohaib Muran, Rector, University of Management & Technology and the Senior Vice President, Lahore Chamber of Commerce & Industries also addressed the participants and emphasized the need for scientific development as an imperative factor to become at par with the world.



Prof. Ahsan Iqbal, Federal Minister for Planning, Development and Reforms visits stalls in the exhibition held during the Invention to Innovation Summit in Lahore on March 8, 2017.



Pakistan Science Foundation Chairman Prof. Dr. Muhammad Ashraf presents a souvenir to the Chief Guest, Prof. Ahsan Iqbal, Federal Minister for Planning and Reforms, during Invention to Innovation Summit in Lahore on March 8, 2017.

Dr. Mirza Habib Ali, Director Research PSF, gave a detailed overview of the programmes of the Foundation and enlightened the audience about the role of its two subsidiary organizations PASTIC and Pakistan Museum of Natural History. This session was specially designed for the industrialists and researchers who have novel ideas but could not harness funds due to unawareness about research planning and development of project proposals.

The summit was equipped with 13 technical and three policy sessions. The technical

sessions comprised of value added textile sector, ICT Sector, Food Technologies, Smart and Sustainable cities, mineral-based chemicals and materials, Energy & Power Sector, Sustainable Agriculture and the Industrial Productivity & Efficiency.

The Policy sessions were comprised of the Public Policy on Science, Technology and Innovation, Role of Media for promotion of science, technology & Education and the Strengthening of ORICs to develop trust between Academia and Industry.

The closing session of the Summit was chaired by Prof. Dr. Akram Shaikh, Director General, PASTIC, who commended the efforts of the organizers from PASTIC-PSF, University of the Punjab and IRP for organizing this summit and pledged to extend his full support to realize the outcome of the summit in terms of socio-economic development. He desired that the researchers and industrialists should build cooperation for indigenous scientific developments and help translate the outcomes into socio-economic progress.

## Quote of the Month

“Chemistry, unlike other sciences, sprang originally from delusions and superstitions, and was at its commencement exactly on a par with magic and astrology.”

—Thomas Thomson



## Review Presentation of Pakistan Science Foundation at Ministry of Science & Technology, Islamabad

The Federal Secretary, Ministry of Science & Technology (MoST) presided the PSF review presentation at Ministry of Science & Technology, Islamabad at March 31, 2017. The Chairman, PSF delivered PSF presentation to the Federal Secretary, MoST. The Federal Secretary appreciated the PSF efforts for Research & Development through the research projects. The Federal Secretary encouraged PSF to strengthen its ongoing collaborations with the existing countries. Moreover, it was also advised that the Engineering discipline should be given more emphasis as we have to strengthen our engineering base for industrialization.



### Lecture on Global Warming Predictions 2050 and Beyond

## Earth May be Unlivable by 2050 due to Rising Temperature, Says Dr. Taseer

Most of the coastal cities will disappear due rising sea level  
Extreme rains may flood 50 million people by 2030. Most of the floods will be in developing countries

Global warming may also severely affect health services due to infectious diseases, new types of viruses and bacteria

We need to teach our children how to stay healthy. Medical schools have to focus on preventive medicines and courses

We have to shift to energy resources with low carbon dioxide emissions

World fame US-based a very senior Pakistani Geologist, Professor at Howard College of Medicine, US and ex-Director



World-fame US-based Pakistani geologist and Professor at Howard College of Medicine, US, delivers a lecture on "Global Warming Predictions 2050 and Beyond" at PSF, under the Foundation's Popular Science Lecture Series on March 20, 2017.

General of Pakistan Museum of Natural History, delivered a very important lecture on "Global Warming Predictions 2050 and Beyond" on March 20, 2017 at Pakistan Science Foundation (PSF). The lecture was part of PSF's popular science lecture series under its science popularization programme.

PSF Chairman Prof. Dr. Muhammad Ashraf was the Chief Guest, while Pakistan Council for Science and Technology Chairman Dr. Anwar-ul-Hassan Gilani, Pakistan Academy of Sciences Secretary Dr. Zabta Khan Shinwari and others were also present. The lecture was attended by scientists, students and teachers from different institutions.

The PSF Chairman introduced the Speaker to the audience and highlighted the PSF programmes to popularize science in the country. Dr.

Ashraf said that the importance of the lecture's topic can be judged from the fact that climate change and global warming are among top five agenda items of the United Nations.

He said that awareness on global warming's reasons and impact is vital for timely remedial measures to cope with this this imminent danger.

Dr. Syed Taseer Hussain in his lecture said that science is the knowledge supported with data and evidence and the scientific predictions are made on the basis of this data. He said that global warming is gradual heating of earth surface and earth surface temperature has risen 1.4 degrees in past century. He spoke on factors that lead to global warming, its adverse effects, projections and predictions. He said that oceans retain heat for longer time and they have become heat banks. Dr. Taseer said that earth has

gone through different systems. Earth may be unlivable by 2050 due to rapid increase in global warming and climate change and the humanity is on crossroads, he added. He said that since 2015 every year is hotter.

He made it clear that we have to learn from the past mistakes and shift to energy resources with low carbon dioxide emissions.

Dr. Taseer said that alarming carbon dioxide level is due to man made things and carbon dioxide concentration is triggering temperature. He said that due to rising temperature the ice is melting and Khunjab glacier has receded to one kilometer during 1985 to 2000. The sea level is also rising gradually and most of the coastal cities of the world will disappear. People are already moving away from coastal areas, he said, adding that extreme rains may flood 50 million people by 2030 and most of the floods will be in developing countries.

Dr. Taseer said that global warming may also severely affect health services due to infectious diseases, new types of viruses and bacteria. He predicted that pollen count will increase carbon dioxide levels and chronic diseases like asthma will also increase.



PSF Chairman Prof. Dr. Muhammad Ashraf delivers introductory remarks during a lecture by Prof. Dr. Syed Taseer Hussain, world-fame US-based Pakistani geologist and Professor at Howard College of Medicine, US, on "Global Warming Predictions 2050 and Beyond" at PSF under the Foundation's Popular Science Lecture Series on March 20, 2017.



## Prizes Awarded to Winners of "Essay Con-2016"

The Prize Distribution ceremony of Essay Writing Competition "Essay Con-2016" was held at PSF on March 13, 2017. The activity was jointly organized by PSF and Technology Times. PSF Chairman Prof. Dr. Muhammad Ashraf was the Chief Guest while Founder and President of AGHAI Ms. Puruesh Chaudhry was the Guest of Honour. Scientists,



PSF Chairman Prof. Dr. Muhammad Ashraf addresses at the Prize Distribution Ceremony of Essay Writing Competition "Essay Con-2016" jointly organized by PSF and Technology Times at PSF on March 13, 2017.



PSF Chairman Prof. Dr. Muhammad Ashraf awards prizes to winners of Essay Writing Competition "Essay Con-2016" jointly organized by PSF and Technology Times during Prize Distribution ceremony at PSF on March 13, 2017.

students and teachers from different educational institutions attended the ceremony.

Addressing on this occasion, the PSF Chairman congratulated the winners of Essay Con-2016. He spoke at length about the PSF programmes aimed at encouraging students' talent and promoting science activities in the country. He also

highlighted the PSF's programmes for students participation in international competitions such as London International Young Scientists Forum, International Junior Science Olympiad and Asian Science Camp etc. He called upon the students to actively compete for participation in these activities as their participation in such forum will not only provide them

opportunities to learn but also provide them inspiration and motivation to excel in the field of science.

Founder and President of AGHAI Ms. Puruesh Chaudhry and Editor Technology Times Syed Paras Ali Zaidi also addressed the ceremony.

Later, the Chief Guest and the Guest of Honour distributed prizes among the winners of the competition which was held in various main cities of the country.



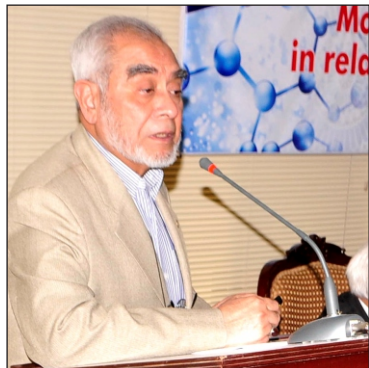
Winners of Essay Writing Competition "Essay Con-2016" pose for a group photo with Chairman PSF Prof. Dr. Muhammad Ashraf, Founder and President of AGHAI Ms. Puruesh Chaudhry and others during the prize distribution ceremony at PSF on March 13, 2017.

## Lecture on "Modern Trends in Science in Relation to Islamic Injunctions"

## No Society can Survive Without Religion and Science, Says Secretary S&T

Dr. Anis Ahmed, Vice Chancellor, Rifah International University Islamabad delivered a lecture on "Modern Trends in Science in Relation to Islamic Injunctions" on March 6, 2017 at Pakistan Science Foundation Islamabad.

Mr. Fazal Abbas Maken, Secretary, Ministry of Science and Technology (S&T), was the Chief Guest. A large number of



Dr. Anis Ahmed, Vice Chancellor Rifah International University Islamabad delivers a Popular Science Lecture on "Islam and Scientific Knowledge" at Pakistan Science Foundation.



Secretary Ministry of Science and Technology Mr. Fazal Abbas Maken chairs a Popular Science Lecture on Islam and Scientific Knowledge by Dr. Anis Ahmed, Vice Chancellor Rifah International University Islamabad at Pakistan Science Foundation on March 6, 2017.

scientists, students and teachers from different institutions attended the lecture organized by PSF under its Popular Science Lecture Series.

PSF Chairman Prof. Dr. Muhammad Ashraf in the welcome address highlighted the scholarly contributions of Dr. Anis Ahmed and the importance of lecture's topic. He said that there are certain misconceptions about science and Islamic injunctions.

Dr. Anis Ahmed in his lecture said that we are living in the world knowledge and science and most of the nations of the world have a national ambition to turn their country into the leading "Knowledge Economy". He said that knowledge in the Islamic tradition is a major and basic category of information and learning. Man is created with capacity to learn and given wisdom, Dr. Anis said, adding,

human capacity of beneficial production is built through knowledge but all these principles have been set aside. Dr. Anis said that honey bee is the best example of knowledge production and brings a real product that is something healthy and beneficial. He emphasized that Islam focuses on rationalization of knowledge which is in depth understanding and interpretation of facts. He said that contradictions and confusions arise how we interpret facts.

He said that Muslim societies in the past were producers of knowledge and other societies were consumers but during the colonist period and after it the Muslim societies have mostly become consumers of knowledge and not producers of it.

The Chief Guest, Mr. Fazal Abbas Maken in his address



said that the discourse of media in present days is quite different as it was in the past and now there are discussions on

religion. He said no society can live without religion and without science. Mr. Maken said that religion gives us a

value system and science gives us material things to live and survive. All these things are interconnected. He made it

clear that if science is studies in the perspective of human being's welfare that it also a religious education.

## 2nd All Pakistan DICE Textile Event-2017 held in Faisalabad

2nd all Pakistan DICE-Textile Innovation event was held in collaboration with DICE (Distinguished Innovation, Collaboration & Entrepreneurship) Foundation, USA on March 28-29, 2017 at National Textile University, Faisalabad. Chairman PSF Prof. Dr. Muhammad Ashraf (H.I, S.I.) was the Chief Guest at the event. This event became



PSF Chairman Prof. Dr. Muhammad Ashraf cuts ribbon to inaugurate the 2nd All Pakistan DICE Textile Innovation Event at National Textile University, Faisalabad on March 28, 2017. even bigger as compared to 1st all Pakistan DICE-Textile innovation event (2016) and going to be a game changer in

academia-Textile Industry linkage for Pakistan. The universities are gaining the confidence of industry and NTU has taken the lead.

In this largest gathering of Textile Industry-academia, over 100 CEOs from all the regions of Pakistan visited stalls and signed several contracts for joint university-industry research projects.

## PSF Chairman Stresses Steps to Ensure Safe Food for All

PSF Science Caravan Multan Unit participated in 3rd

International Conference "Safe Food for All & Food Expo"



PSF Chairman Prof. Dr. Muhammad Ashraf addresses inaugural session of the 3rd International Conference "Safe Food for All & Food Expo" organized by Institute of Food Sciences and Nutrition, Bahah-ud-Din Zakariya University, Multan. (R) The Chairman, PSF Prof. Dr. Muhammad Ashraf receiving memento from VC of BZU Prof. Dr. Tahir Amin.



organized by Institute of Food Sciences and Nutrition, Bahah-ud-Din Zakariya University (BZU) Multan on March 02-03, 2017. PSF Chairman Prof. Dr. Muhammad Ashraf was the Chief Guest at the opening Ceremony of the conference. The International and National participants / Speakers discussed briefly about the safe

food for all and measures taken by the Govt. to make sure the availability of healthy and safe food items to people. The Honorable Chairman PSF also visited the Science Caravan Multan Office. Assistant Director Caravan Multan Unit presented the report of Science Caravan activities in the region to the Chairman PSF.



PSF Chairman Prof. Dr. Muhammad Ashraf holds a meeting with a delegation from North West A&F University, Yahngling, Shaanxi, China at PSF on March 11, 2017.



A group photo of PSF Chairman Prof. Dr. Muhammad Ashraf and a delegation from North West A&F University, Yahngling, Shaanxi, China during the delegation's visit to PSF on March 11, 2017.

## Over 6,000 Students Visit Science Caravan Exhibitions in March 2017

As many as 6,008 students visited PSF Science Caravan exhibitions held in different cities of the country in March 2017. The detail of exhibitions is as under:



A glimpse of the planetarium show arranged by Federal Unit at Al Huda International School, Islamabad

**Federal:** The PSF Science Caravan Federal Unit arranged a planetarium show was arranged at Al-Huda International School, H-11 Islamabad on March 1-3, 2017. Over 700 students participated in the show.

Another planetarium show was

arranged at Al-Huda International School, H-11 Islamabad on March 25-26, 2017 and 1,450 students participated in the show.

**Peshawar:** The Science Caravan Peshawar Unit arranged an



Glimpses of Science Cravan exhibition arranged by Peshawar Unit at Buner



exhibition at Qadir Nagar High School Buner on March 13-18, 2017. In this exhibition 965 students and 43 teachers from 5 schools participated.

**Faisalabad:** The Science Caravan Faisalabad Unit arranged a Science Exhibition at GHS Bhowana District Chiniot on March 06-11, 2017 and 1,850 students from five schools visited the exhibition.

**Jaffarabad:** The Science Caravan Jaffarabad Unit in collaboration with an NGO Alif Ailaan arranged a one-day Math and Science Mela on March 28, 2017 at Govt. Girls High School Dera Allah Yar. Deputy Commissioner Jaffarabad was the Chief Guest of this programme. He appreciated the efforts of PSF for arraigning such activities in Jaffarabad. In this fair students prepared different scientific models and briefed the visitors. Above 1,000 visitors attended the event.

#### Popular Science Lectures Arranged in Buner and Multan

A Popular Science Lecture was arranged on March 14, 2017 at Qadir Nagar Inter Science College Buner, District Buner. The lecture was delivered by Assistant Professor Dr. Muhammad Imran Ahmad from Department of Chemical Engineering, University of Engineering & Technology. The lecture was attended by the students of higher classes, teachers, Secretary BISE, Swat Umer Hussain & Mr. Muhammad Iqbal, DEO (M)



Popular Science Lecture arranged by Peshawar Unit-KP

Buner. All the students learnt much from this lecture. The theme of the popular science lecture was "Research for Addressing Problems of Our Community".

A Popular Science Lecture "Biology and Service of Mankind" was organized by PSF Science Caravan Multan Unit on March 30, 2017 at Govt. Girls Comprehensive Higher Secondary School, Multan in which 120 students and teachers participated. The speaker, Dr. Syed Qaswar Ali Shah, Associate Professor, Govt. Emerson College, Multan, spoke on the topic.

PSF Science Caravan Jaffarabad Unit arranged Popular Science Lecture on "Biotechnology and its impact on the world" at Govt Girls High School Dera Allah Yar on March 25, 2017. Prof. Khalid Hussain and the Director Shade Organization, Sajjad Abro delivered the lecture to 222 students.

### PSF Organizes 26<sup>th</sup> Intra-Board Science Essay and Poster Competitions

PSF in collaboration with all Boards of Intermediate and Secondary Education (BISE) of the country has been organizing Intra/Inter-Board Science Essay and Poster Competitions for the last 25 years. This year the 26th Science Essay Competition has been announced on the theme titled "Science Museums: a potential means of informal



View of Intra Board Poster Competition arranged by BISE Sukkur

education" and for Science Poster Competition the theme is "Quality of food items available in local market". The

BISE Sukkur conducted the competitions on March 7, 2017.

**Pakistan Day Celebrated:** PSF Science Caravan Jaffarabad Unit celebrated Pakistan Day by arranging a Speech Competition on "Science and Technology are Essential for Stronger Pakistan" on March 30, 2017 at Govt Girls High School Dera

Allah Yar. The Chief Guest of Programme was Deputy Commissioner Jaffarabad Mr. Tariq Qamar Baloch. Students from 20 Govt. and private schools participated in the Speech Competition. Deputy Commissioner and DEO distributed certificates and prizes among all winners and participants of the speech competition.

## Pakistan Museum of Natural History (PMNH)

*Editor: Dr. Muhammad Ismail Bhatti*

### Chinese Delegation Visits PMNH

A Chinese delegation visited PMNH on March 14, 2017. The foreign delegation visited different galleries and showed keen interest in natural history of Pakistan displayed in the Museum. The staff of PMNH briefed the delegation about various activities of the organization.

**Ex-Director General Visits PMNH:** Dr. Syed Taseer Hussain, ex-Director General PMNH, along-with his family, visited PMNH on March 24, 2017. Dr. M. Rafique and Dr. Ghazala Roohi along with senior scientists received the distinguished guests. They visited different display galleries of PMNH including life size model of "Baluchitherium" and "Skeleton of Blue Whale". Dr. Taseer appreciated the skill and the ability of PMNH scientists and the artists for preserving and displaying of natural history specimens in a professional way.





## PMNH Boundary Wall Painted with Natural History



For creating an elegant look and for the public attraction, PMNH display galleries and exterior are under the process of renovation and up-gradation. Eye catching pan-flex depicting different themes like ocean life, birds, animals, mushrooms, insects, reptiles, gems and butterflies have been mounted on the external side of the boundary wall. These initiatives not only have helped in beautification of the boundary wall but have also enhanced the public attraction and interest in the Museum.

## Over 10,000 Persons Visit PMNH in March 2017

A total of 10,531 persons including 3,035 students, 3,980 general public, 21 foreigners and 3,495 children under 5-years of age visited the museum in March 2017.

PMNH staff provided them all possible technical guidance and also arranged film shows for them. The major visits included University of Sindh Jamshoro, International Islamic University Islamabad, IMCG, F-6/2 Islamabad, Madrasat-ul-Ihsan, Shama Public School Swabi, School of Nursing Polyclinic Islamabad, Palms Enclave, Science School Islamabad, Liaqat Model School Mardan, Science School Islamabad, University of Poonch AJK, and IIUI, G-10 Campus.

**QAU Students:** A group of students from Department of Animal Sciences, Quaid-e-Azam University (QAU) Islamabad visited PMNH with special reference to bird's collection of Zoological Sciences Division. The group was headed by Mr. Kabir Khan. Director ZSD Dr. Muhammad Rafique briefed the students in



detail about identification, taxidermy, distributional patterns and ecological zones of birds. The young scientists took keen interest in lecture and asked many relevant questions from experts of ZSD. The students also visited birds repository of PMNH.

**Chief Editor Daily Sada-e-Olas Quetta:** Mr. Agha Obaid, Chief Editor, Sada-e-Olas Quetta visited PMNH on March 25, 2017. The main objective of visit was to get information about techniques used for cultivation of macro fungi (Mushrooms). A detailed briefing was given to the Chief Editor who appreciated the efforts of PMNH in imparting informal education to students and general public.

## PMNH Six Officials including DG Dr. Leghari Retire from Service

Dr. M.K. Leghari retired from his service as DG PMNH on April 01, 2017. Five other officers and officials including Mr. Muhammad Iqbal Jadoon, Deputy Director Admin, Mr. Noor Hussain, Driver, Mr. Ghulam Mustafa, Driver, Mr. Mazhar Hussain, Painter and Mr. Fida Hussain Sr. Skeleton Preparator have been also retired from their services. PMNH arranged a farewell in honour of the retiring officers



and officials PSF Chairman Prof. Dr. Muhammad Ashraf S.I, H.I was the Chief Guest. Dr. Muhammad Rafique

Director ZSD welcomed the Chief Guest and in detail acknowledged the services of DG PMNH and other officers and officials. The senior management of PSF and PASTIC also attended the farewell party. PSF Chairman appreciated the lifelong services of Dr. M.K. Leghari and the others for PMNH. The Chief Guest presented gifts and bouquets to Dr. Leghari and other retiring officials.

## PMNH, NIFA Peshawar Join Hands in Mushroom Cultivation Techniques

Mushrooms are becoming popular in Pakistan day by day due to their delicacy, food and medicinal values. The



cultivation technique of mushrooms is hard and time taking. To make PMNH as an iconic source of mushroom cultivation awareness campaign, PMNH with the support of NIFA Peshawar has started joint efforts. Mr. Auranzeb Khan, Sr. Scientific Assistant visited PMNH and supported PMNH mycologist in cultivation technology.

## Director ZSD Participates in Annual Function of Students

Dr. Muhammad Rafique, Director ZSD participated in annual prize and certificate distribution ceremony organized by Miss Jannat-ul-Firdous, Chairperson Al Firdous Welfare Association and Principal Al Firdous Community Model School, Bara Kahu Islamabad. Mr. Muhammad Baligh-ur-Rehman, Minister of State for Federal Education and Professional Training Centre, was the Chief Guest of the event. Principal and other staff welcomed the Dr. Muhammad Rafique and they briefed about different sections as well as educational activities of the school and the society. The Principal ensured that they will keep a strong interaction with PMNH and will visit the educational galleries of the Museum.



# Pakistan Scientific & Technological Information Centre (PASTIC)

Editor: Saima Siddique Tariq

## PASTIC Organizes Workshops on Research Tools & Techniques

PASTIC regularly organizes training workshops on Research Methodology. This program is for students, scholars of MSc, MS/M.Phil & Ph.D. The objective of such workshops is to provide basic understanding about qualitative and quantitative research concept, methods and capacity building of researchers in collecting, managing and analyzing data for qualitative and

quantitative research. In continuation of this regular activity PASTIC National Centre, Islamabad organized a three-day training workshop on "Research Tools and Techniques" from March 28-30, 2017. Syed Paras Ali, Chief Executive of Technology Times inaugurated the workshop. PASTIC representative gave the introductory remarks and deliberated on PASTIC activities and the need to promote the research culture in Pakistan.

In the Closing Ceremony, Mr. Saifullah Azim, Principal System Analyst PASTIC, anticipated that



A glimpse of certificate awarding ceremony at the end of SPSS training



The participants of the Workshop on "SPSS" during the session

participants of training workshop will utilize their learning skills while conducting their research for getting better analysis output with ease. The participants

expressed their appreciation for organizing such need based training. Later on, certificates were also distributed among the participants.

## PASTIC Arranges 9 Services Stalls in Lahore, Faisalabad & Karachi

PASTIC regularly organizes its service stalls all over the country, wherein PASTIC publications are displayed and membership forms/pamphlets are distributed and the visitors are briefed about PASTIC services. In continuation of this regular activity following stalls

were organized during the month of March.

**Lahore:** First stall was organized on 2<sup>nd</sup> March, 2017 at Institute of Quality and Technology Management, University of the Punjab, Lahore, second from 8<sup>th</sup> & 9<sup>th</sup> March, 2017 at Centre for

Under Graduate Studies, University of the Punjab, Lahore, third on 10<sup>th</sup> March at University of the Punjab, Lahore, fourth on 17<sup>th</sup> March at Centre for Higher Energy Physics, University of the Punjab, Lahore and fifth on 24<sup>th</sup> March at Centre of Electrical Engineering, University of Engineering and Technology, Lahore.

**Faisalabad:** PASTIC Sub-Center, Faisalabad organized a stall on 31<sup>st</sup> March at Govt. College University Faisalabad.

**Karachi:** First stall was organized at Faculty of Pharmacy, Hamdard

University, Karachi, on 6<sup>th</sup> March, second at Sir Syed Engineering University, Karachi on 7<sup>th</sup> March, and at Jinnah Sindh Medical University, Karachi on 27<sup>th</sup> March.

**Awareness Seminar:** PASTIC organized awareness Seminar at Faculty of Pharmacy, Hamdard University, Karachi on 6<sup>th</sup> March, Sir Syed Engineering University, Karachi on 7<sup>th</sup> March, Jinnah Sindh Medical University, Karachi on 27<sup>th</sup> March and Department of Biotechnology Sardar Bahadur Khan Women University Quetta on 29<sup>th</sup> March.



A glimpse of PASTIC Service Stall, Lahore

### Pakistan Science Foundation

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www.psf.gov.pk  
E-mail: psfsecy@psf.gov.pk

### Pakistan Museum of Natural History

Garden Avenue,  
Shakarparian, Islamabad  
Phone: 9249239 Fax: 9249240  
www.pmnh.gov.pk

### PASTIC National Centre

Q. A. University Campus, Islamabad  
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