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# PSF NEWS

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## From the Chairman



*It is my strong observation and experience that most of the people, particularly in Pakistan, are unaware of the importance and purpose of the international days' celebration as they don't know the spirit behind it. I have often heard from people saying that observance of international days is simply wastage of time and money as observance of these days for the last many years has produced no concrete results. Famous racing driver Mario Andretti said, "Desire is the key to motivation, but it's determination and commitment to an unrelenting pursuit of your*

*Continued on page 2*

## World Science Day Celebrated

### Role of Science Centres and Museums in informal education highlighted Use of science only solution to Sustainable Development: Speakers

To create awareness and encourage students towards scientific education and research with a view of sharing ideas between the scientists and students, Pakistan Science Foundation (PSF) in collaboration with UNESCO Islamabad commemorated the World Science Day (WSD) 2016 at Pakistan Museum of Natural History, Islamabad under the theme "Museums and Science Centres as Source of Informal Education".

Officials and representatives of the Ministry of Science and Technology, PSF, UNESCO, French Embassy, academia and research institutions attended



A group photo of science competitions prize winners students with Leading Pakistani Scientist and originator of World Science Day Dr. Ashfaq Ahmed on the occasion of World Science Day Commemoration at Pakistan Museum of Natural History on November 15, 2016.



PSF Chairman Prof. Dr. Muhammad Ashraf and British Council Representative Jim Booth sign Letter of Intent for mutual collaboration on the occasion of World Science Day Commemoration at Pakistan Museum of Natural History on November 15, 2016.

the event.

Mr. Fazal Abbas Maken, Federal Secretary, Ministry of Science and Technology, was the Chief Guest on this occasion, while leading scientists Dr. Ashfaq Ahmed was the Guest of Honour.

The Federal Secretary highlighting the importance of science and technology (S&T) said that the objective of World Science Day was to renew the national, as well as the international commitment to use S&T for national development and achieving



## From the Chairman

goal - a commitment to excellence - that will enable you to attain the success you seek."

Observance of these International Days provides us an opportunity to renew our commitment about achieving some specific goals, identify the problems and devise new strategies to achieve the objective.

Pakistan Science Foundation celebrates different International Days, especially the World Science Day to achieve excellence in science and use it for the world peace. This day also provides us an opportunity to understand the importance of science and its role in promoting peace across the world as well as acknowledging the services of great scientists. People from various walks of life assemble at a platform, review the past performance and set new goals. The acknowledgment of the services and work of great scientists provide motivation to students achieve excellence in science.

The science and technology organizations and educational institutions are invited to collaborate with PSF for celebrating this day with more zeal to promote science culture.



Ms. Vibeke Jensen, UNESCO Representative to Pakistan addresses World Science Day function at Pakistan Museum of Natural History on November 15, 2016.

peace by use of its applications. He underlined the importance of the theme of WSD-2016, as declared by UNESCO "Museums and Science Centres as Source of Informal Education" and mentioned that creating knowledge and its applications by using science helped us to find solutions to today's acute economic, social and environmental challenges to achieve sustainable development. He said Science Centres and Museums are playing an important role in dissemination of scientific

information. He said these institutions have assumed the role of learning centres. He stressed that a lot of work needs to be done to promote museum culture.

He congratulated UNESCO and PSF for organizing such an important event. He also congratulated the prize winner students, assembled at PSF from all over the country.

Ms. Vibeke Jensen, UNESCO Representative to Pakistan said that Science, Technology and Innovation (STI) are crucial for inclusive and sustainable



Ministry of Science and Technology Secretary Mr. Fazal Abbas Maken addresses the World Science Day function at Pakistan Museum of Natural History on November 15, 2016.

development. She underlined that science centres and museums' are playing an important role in providing scientific information as well as opportunities for public participation and engagement. In particular, science museums have the potential to mobilize students' interest in science education through promoting concrete and hands on experiences that allow them to better appreciate the role of science in development.

Dr. Ashfaq speaking on this occasion highlighted his efforts for getting declared the WSD by the UNESCO. He said since 2001 the WSD is being celebrated all over the world every year. PSF in collaboration with UNESCO celebrate this day in a befitting manner to acknowledge contributions of people in the field of science and technology for its peaceful use, he added.

Prof. Dr. Muhammad Ashraf, Chairman PSF, highlighted the role of Museums and Science Centres in promotion of informal education. He said that PSF is playing a key role in promotion of science education at different levels in the country. It holds the honor of celebrating World Science Day every year to honor the efforts of Pakistani scientists and students working for the attainment of national goals, despite limited resources available to them, he maintained.

Dr. Ashraf informed the audience that PSF through its various programmes is striving to educate young children across the country about the basic scientific concepts and their applications through

## Quote of the Month

"Do not train a child to learn by force or harshness; but direct them to it by what amuses their minds, so that you may be better able to discover with accuracy the peculiar bent of the genius of each."

— Plato

establishing Science Museums and Science Centres. PSF is the only government organization in the country working for the dissemination of scientific knowledge in the rural areas of the country he said, adding that for this purpose, PSF operates through science caravans which are equipped with basic scientific gadgets.

Dr. Ashraf also thanked UNESCO and French Embassy for its continuous support to PSF for the execution of different science promotion programmes and vowed to extend further cooperation to all stakeholders for the attainment of Sustainable Development Goals (SDGs). Representatives of British Council Mr. Jim Booth and French Embassy Mr. Bussy also spoke on this occasion.

At the end of the event, PSF Gold Medals, certificates and cash prizes were distributed among the winner students of Inter-Board Competitions and participants of London International Young Scientists Forum 2016 and Asian Science Camp-2016.

On this occasion the representatives of British Council and Pakistan Science Foundation also signed a letter of intent for collaboration between the two organizations.

## Celebrations in other Cities

**Sukkur:** The PSF Science Caravan Sukkur Unit celebrated World Science Day for Peace and Development on the theme "The Role of Science Centers & Museums in Science Popularization" at Govt. Girls High School Gharibabad, Sukkur, on November 14, 2016. The unit organized a speech competition among students on this occasion. Mrs. Yasmeen Shah, Headmistress of the School appreciated the



PSF Chairman Prof. Dr. Muhammad Ashraf gives a presentation on "Museums and Science Centres as Sources of Informal Education" on the occasion of World Science Day at PMNH on November 15, 2016.

PSF activities. Over 150 students and teachers participated in this programme and winner students were awarded cash prizes.

**Quetta:** The Quetta Unit

arranged Intra High Classes Speech Competition on "The Role of Science Center & Museum in Science Popularization" at The Citizen Foundation School Quetta on



Glimpses of the speech competition organized by Sukkur unit to celebrate the World Science Day



World Science Day celebration by Quetta Unit



World Science Day celebration by Tandojam Unit



World Science Day activities of Multan Unit



occasion of World Science Day on November 10, 2016. Sixteen contestants participated in the contest. Prizes were distributed among winner students.

**Jaffarabad:** Science Caravan Jaffarabad Unit celebrated World Science Day by organizing Speech Competition among students on November 12 at Govt Boys High School, Usta Muhammad. Deputy Commissioner Jaffarabad Mr. Javed Anwar Shahwani was the Chief Guest on this occasion. Other guests included Chairman Municipal Committee Mir Aamir Khan Jamali, DEO Jaffarabad Mr. Mulla Muhammad Umrani, Social Activist Mr. Ghulam Mustafa Rind, officials of Education Department. As many as 380 students from 12 schools participated in the Competition. Deputy Commissioner and DEO distributed Certificates and prize among winner students. Social Activist Mir Ghulam Mustafa Rind announced donation of 3000 sq ft plot for PSF Office in Usta Muhammad.

**Tandojam:** The Tandojam Unit celebrated World Science Day on November 14 during science caravan exhibition.

**Jaffarabad:** Science Caravan Jaffarabad Unit celebrated World Science Day by organizing Speech Competition among students on November 12 at Govt Boys High School, Usta Muhammad. Deputy Commissioner Jaffarabad Mr. Javed Anwar Shahwani was the Chief Guest on this occasion. Other guests included Chairman Municipal Committee Mir Aamir Khan Jamali, DEO Jaffarabad Mr. Mulla Muhammad Umrani, Social Activist Mr. Ghulam Mustafa Rind, officials of

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Science Day on November 14 during science caravan exhibition.

**Quetta:** The Science Caravan Quetta Unit arranged various activities like scientific film shows and lectures to

commemorate the World Science Day at GBHS Nawab Akber Bughti, Saryab Road, Quetta on November 18-19. Over 250 students and 18 teachers participated in the event.

## Joint Call of Proposals with National Science Foundation, Sri Lanka

Chairman Pakistan Science Foundation, Dr. Muhammad Ashraf and Director Research Support/International Linkages, Dr. Mirza Habib Ali participated in the "First Meeting of Sri Lanka Pakistan

Joint Committee on Science & Technology Cooperation", at Colombo on November 17, 2016. The Pakistani delegation was led by Federal Secretary, Ministry of Science and Technology, Mr. Fazal Abbas

Maken.

PSF and NSF, Sri Lanka signed MoU for S&T Cooperation for Joint Scientific Research, Exchange of Scientists, Exchange of Scientific and Technological Information and organizing Seminars, Workshops, Symposia etc. on January 05, 2016 at Colombo, Sri Lanka during the visit of the Prime Minister of Pakistan. To implement MoU in true spirit Chairman, PSF also visited National Science Foundation of Sri Lanka on November 17, 2016 and held detailed discussion with Dr. Sirmali Fernanado, Chairperson, National Science Foundation, Sri Lanka, during the meeting



Mrs. R. Wijialudchumi, Secretary, Ministry of Science Technology and Research, Government of Sri Lanka, presenting souvenir to Dr. Muhammad Ashraf Chairman, PSF at Colombo, November 17, 2016.



Pakistani delegation in meeting with the representatives of National Science Foundation (NSF), Sri Lanka, Colombo, November 17, 2016.

modalities for the funding of joint projects with NSF, Sri Lanka were discussed and finalized.

## Joint Call of Proposals with MSRT, Iran

Pakistan Science Foundation (PSF) in an effort to support the quality research in the country has launched joint call of proposals with Ministry of Science, Research and Technology (MSRT),

Iran. The call is to be opened between November 15, 2016 to December 25, 2016. Maximum cost of funding for joint proposals is 5,000 Euros from each side. Priority areas for joint

research projects include Engineering and Material Sciences, Nanotechnology, Biotechnology & Genetic Engineering and Natural Resources Engineering.

## Chinese Delegation Visits Pakistan Science Foundation, Pakistan Universities

A 10-member delegation of Lanzhou University China visited Pakistan on November 21, 2016 to December 1, 2016. The delegation was headed by

Prof. Gao Xincui, Vice President, Lanzhou University China. The delegation had a meeting with PSF Chairman Prof. Dr. Muhammad Ashraf

and discussed matters of mutual interest.

During the tour the Chinese

delegation also visited Quaid-e-Azam University Islamabad, Govt. College Women



The Chairman PSF, Dr. Muhammad Ashraf with Chinese delegation at PSF.



Mr. Fazal Abbas Maken, Secretary MoST and Chairman PSF with Chinese Delegation at inauguration of Dry Land Agriculture Research Center, University of Sargodha

University, Faisalabad, Bahauddin Zakariya University, Multan, University of the Punjab, Lahore, Govt. College University, Lahore and University of Sargodha, Sargodha. Mr. Nasir M. Khokhar, Senior Scientific

Officer, Pakistan Science Foundation accompanied the delegation during the tour. The delegation also attended the inaugural ceremony of "Dry Land Agriculture Research Center" at University of Sargodha. The ceremony was

graced by the Federal Secretary, Ministry of Science and Technology and the PSF Chairman. Lanzhou University, China has committed to donate scientific equipment for the labs of newly inaugurated Dry Land

Agriculture Center. The visit proved quite fruitful as many key research areas were identified for future collaboration between faculty members of Pakistani universities and Lanzhou University, China.

## Over 8,500 Students Visit Science Caravan Exhibitions in Nov. 2016

Over 8,586 students and teachers from 42 schools visited the PSF Science Caravan exhibitions in various cities of the country in November 2016. The detail is as under:

**Federal:** The Science Caravan Federal Unit arranged an exhibition at Pakistan National School System, Rawalpindi on November 16-18, 2016. Another exhibition was arranged Al-Habib Science College, Muzaffarabad on November 21-26, 2016. The STFS mobile bus was introduced to the students and teachers. Experiments related to curricula of secondary school level were also performed in the mobile lab. The exhibition was visited by 3,100 students from 18 schools. During the exhibitions IBSE Training sessions for the teachers was also arranged, which was participated by 60 teachers.

**Sukkur:** The Science Caravan Sukkur Unit arranged an exhibition at Govt. (Boys) High School Rato-Dero District Larkana on November 1-2, 2016. Over 400 students, teachers and



Science Caravan exhibition arranged by Tandojam Unit



Glimpses of Science Caravan exhibition arranged by Multan Unit

general public visited the Science Exhibition.

**Peshawar:** The Science Caravan Peshawar Unit arranged exhibitions at GCMHS-Timergara Dir (L), GHSS-Sherpao Charsada and Afridi Model School & College Peshawar on November 01-02, November 07-16 and November 24-29 respectively. A total of 3,736 students and 121 teachers from 11 schools visited these exhibitions.

**Tandojam:** The Science Caravan Tandojam Unit arranged an exhibition at Govt Boys/Girls High School Taluka Bulri Shah Karim on November 08-17, 2016. Over 1,107 students and 62 teachers from 12 school visited the exhibition.

**Multan:** The PSF Science Caravan Multan Unit organized an exhibition at Govt. Boys High School, Piran Ghaib, Multan, on November 10-16, 2016. Over 700 students visited the exhibition. The Unit also organized an exhibition at Govt. Girls Higher Secondary School, Piran Ghaib, Multan, on November 21-25, 2016, which was visited by over 800 students.



Science exhibition arranged by Federal Unit at Muzaffarabad



Students being briefed about models placed in Mobile Science lab in a school at Rawalpindi



IBSE Session arranged at Rawalpindi by Federal Unit

## Commissioner Visits Faisalabad Science Centre

Commissioner Faisalabad Mr. Momin Agha visited the Science Centre Faisalabad on November 14, 2016. Mr. Muhammad Hasnain, Deputy Director (STI) gave him a presentation on activities and future plans of the Science Centre and PSF.



Mr. Muhammad Hasnain, Deputy Director (STI) briefing Commissioner Faisalabad Mr. Momin Agha during his visit to the Science Centre, Faisalabad

## Member Science Visits Science Caravan Unit Quetta

The PSF Member Science (MS), Prof. Dr. M. Akram Shaikh along with Mr. Nadeem Ahmad (chairperson C.E. Department) and Dr. Faizullah, Dean, BUIITEMS, visited the Science Caravan unit Quetta on November 28, 2016. Mr. Abdul Khaliq briefed the MS about activities and performance of the Unit. The MS appreciated

the Quetta Unit performance.



A group photo of Science Caravan Quetta Unit team with the Member Science PSF.

# Pakistan Museum of Natural History (PMNH)

Editor: Dr. Muhammad Ismail Bhatti

## 15,847 Persons Visit PMNH in November 2016

A total of 15,847 persons including 5,600 students, 3,135 general public, 27 foreigners and 7,085 children under five years age visited PMNH display galleries in November 2016. The student groups were provided guided tour facility and film shows were arranged for them. The detail of main educational institutions from across the country that visited PMNH in November is as under:

Oxford School System Gujrat, Daska High School Sialkot, Grison Grammar Girls High School Mandi Bhauddin, Alaqa Islamic Model High School Jhelum, The Popular School Sialkot, Orient Public School Mardan, Bait-ul-Hikmat Academy Gujranwala, The Punjab School Sialkot, Allied School Daultala Campus Gujar Khan, Allied School Gujranwala, OPF Public School Mirpur AJK, The Tips Schools Faisalabad, Science Model School Gujranwala, Al-Badar College Pallandri AJK, Unique Education School Gujranwala, University of Management Science & I.T Kotli AJK, Islamic School of Science



Daska Sialkot, OPF Girls College Islamabad Dar-e-Arqam School Murree, SLS Model School System Pindigheb, Muslim Hands Model School Lalamusa, Bashir-ul-Haq Cadet College Humak Islamabad, Dar-e-Arqam School Rawalpindi, Beacon House School System, Islamabad, Govt. Girls Community High School Gujrat, Fazaia Education School System Islamabad, Read Foundation School Mirpur AJK, EFA School System Daska, PSF Finishing School for Women, Islamabad Quaid-i-Azam University Islamabad, COMSAT Institute of Information Technology Islamabad, Modern Science High School Gujrat, Sindh Agriculture University Tandojam, Govt. Post Graduate College Rawalpindi, Dar-e-Arqam School Sialkot, K.B.I

School System Faisalabad, The Educator Khiali Campus Gujranwala, Allied School Gujranwala, The Mashal Public School Mardan, NFC/ET Multan, Wisdom Degree College Kharian, Sir Sayed School Gujar Khan, Computerized Shaheen Public School Fateh Jang, Beacon House School System Nowshera, Pakistan Central Model School Gujranwala, Buraq School, Rawalpindi, University of Veterinary & Animal Sciences Lahore, Jinnah Public School Havelian,

Best School System Gujranwala, Punjab College Jaranwala, Best School System Gujranwala University of AJK and Govt. Girls High School Rawalpindi.

**COMSATS Islamabad:** A group of 33 students led by faculty member Dr. Kamran from the Department of Zoology COMSATS University, Islamabad, visited the display galleries and the research repositories of Botanical and Zoological Sciences Divisions on November 24, 2016. Dr. Syed Aneel Ahmad Gilani, Dr. Shabir Ali Amir and Mr. Imran facilitated the visit in the display galleries. The students took a keen interest in the displays of the museum. The students termed the visit very useful for their future studies and research work.



## Chinese Delegation Visits PMNH

A three-member Chinese delegation, led by Prof. Dr. An LiZhe, Vice President, Supervisor of PhD candidates,

Lanzhou University, Peoples Republic of China, visited PMNH. Senior management of PMNH briefed the guests in

detail to guests. The Chinese experts visited different galleries and held a meeting with DG PMNH Dr. M.K. Leghari.



## PMNH Botanist Attends International Training Workshop in China

Dr. Syed Aneel Ahmad Gilani, Associate Curator, Botanical Sciences Division, PMNH attended the ICOM-ITC International Training Workshop as a museum expert on November 07-15, 2016 at the

Palace Museum, Beijing China. The theme of the Workshop was "Collecting Objects, Telling Stories".

Dr. Gilani was the only delegate from Pakistan. He shared his expertise on museology and

collection of the botanical objects with the international participants from 17 different countries.

ICOM-ITC was established in July-2013 as a joint collaboration of the Palace

Museum, ICOM and ICOM China. Its main objective is to develop museum expertise and knowledge of young promising museum professionals in developing countries, especially in the Asia-Pacific region.



## SAU Tandojam Students Visit PMNH

A group of 66 students of final



year B.Sc (Agri.) Hons, Faculty of Crop Protection, Sindh Agriculture University Tandojam, Sindh, under the supervision of their two teachers Dr. Jamal-ul-Din Hajano and Dr. Muhammad Ali, visited PMNH, Islamabad

during their all Pakistan study tour in November 2016. Dr. Muhammad Ismail Bhatti, Associate Curator (Mycology) briefed the students about agro-ecological zones of Pakistan, species of mushroom and biodiversity.

## PMNH scientists attended seminar as Key note speaker

Dr. Ghazala Roohi, Director, Earth Sciences Division,

PMNH, attended the 3<sup>rd</sup> National Paleontology



Seminar, organized by Government College University, Faisalabad, as the Keynote Speaker. The seminar was held on 16-17 November, 2016. She spoke on "Pakistan Museum of Natural History (PMNH):- Potential Source of Informal Education".

## Field Research Work

Dr. M.K. Leghari, DG PMNH, an algal expert, along with Ms Muhammadi Bibi, a Ph.D scholar from PMAS Arid Agriculture University Rawalpindi carried out field

work in Rawal Dam area to collect algal specimens. Different samples were collected, identified and microscopic photos were taken for research work.



## Pakistan Scientific & Technological Information Centre (PASTIC)

*Editor: Saima Siddique Tariq*

## PASTIC Organizes Three Workshops on SPSS in November 2016

PASTIC regularly organizes training workshops on Research Methodology for MSc, MS/M.Phil & Ph.D scholars to provide them

understanding about qualitative and quantitative research concepts, methods and to build their capacity in collecting, managing and

analyzing data. PASTIC organized three training workshops in November 2016. The detail is as under:

Islamabad: The PASTIC

National Centre, Islamabad organized a three-day workshop on "Research Tools and Techniques" on November 28-30, 2016, which was



A view of the Workshop on "SPSS" during the session



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



Ms. Nageen Ainuddin Director PASTIC addressing the inaugural ceremony of the workshop at Kotli, AJK



Prof. Dr. Ghulam Ghous, Vice Chancellor, University of Management Sciences & Information Technology, Kotli, addressing at the closing Ceremony of the workshop

attended by 30 participants. Saifullah Azim, Principal System Analyst gave the introductory remarks and highlighted PASTIC activities. In the Closing Ceremony, Ms. Nageen Ainuddin, Director PASTIC hoped that participants of workshop will utilize their learning skills in their research for getting better analysis output. Later on, the certificates were also distributed among the participants by the Director PASTIC.

Kotli AJK: PASTIC Sub-Centre Muzaffarabad in collaboration with University of Management Sciences & Information Technology, Kotli, Azad Jammu and Kashmir (AJK), organized a three days training workshop on "Research Tools & Techniques at Kotli on 23-25 November, 2016. Ms. Nageen Ainuddin, Director PASTIC inaugurated the workshop. Syed Habib Akhtar Jafri, Principal Librarian and Muhammad Usman, Web Manager,



A group photo of the participants of the Workshop on "SPSS" with resource person and PASTIC officer

PASTIC were the resource persons of the workshop. Prof. Dr. Ghulam Ghous, Vice Chancellor, University of Management Sciences & Information Technology was the Chief Guest at closing ceremony of the workshop. He appreciated efforts undertaken by PASTIC.

Quetta: The PASTIC Sub-Centre Quetta in collaboration with Sardar Bahadur Khan Women's University (SBKWU), Quetta, organized a two-day training workshop on "Research Tools and Techniques" on November 22-23, 2016 at SBKWU, which was attended by 25 participants. Dr. Nazir Ahmad, Assistant Professor, Department of Microbiology,

Balochistan University of Information Technology Engineering and Management Sciences, was the resource person of the workshop. Dr. Rukhsana Jabeen, Vice Chancellor, SBKWU appreciated the PASTIC for organizing such fruitful activity in their university. She also distributed shields and certificates.

## PASTIC Services Stalls

PASTIC regularly organizes its service stalls all over the country, wherein PASTIC services are promoted, publications are displayed and membership forms/pamphlets/brochures are distributed among the visitors. In continuation of this regular activity following stalls were organized during the month of November:

**Lahore:** The First stall was organized at the department of ICET, University of the Punjab, on November 1, 2016. Another stall was organized at the University of Veterinary and Animal Science, Lahore on November 7, 2016. The third stall of the series was organized at the Institute of Agriculture, University of the Punjab on November 17, 2016. The fourth stall was organized at the Department of Zoology University of the Punjab, Lahore on November 22, 2016.



Mr. Ali Raza Khan, SSIO briefing the visitors at PASTIC Services Stall

**Karachi:** The PASTIC Sub-Centre Karachi organized Service Stalls during 04<sup>th</sup> International Conference on Energy, Environment and Sustainable Development at MUET, Jamshoro on November 1<sup>st</sup>, 2016, the Institute of Sustainable Halophyte Utilization, University of Karachi on November 10, 2016, the Public Administration Department, University of Karachi on November 11 and during 1<sup>st</sup> International Conference on Science, Technology and Innovation Policy & Management at Movenpick, Karachi on November 16.



Mr. Abdul Fatah Shaikh, SSIO briefing the visitors at PASTIC Services Stall

**Peshawar:** The PASTIC Sub-Centre, Peshawar organized services Stalls at Department of Geology, University of Peshawar, on November 11, 2016, during Invention to Innovation Summit at UET, Peshawar on November 16-17 and Rozgar Mella, Deans Trade Centre Peshawar on November 29.

**Faisalabad:** PASTIC Sub-Centre Faisalabad organized Service Stall at Faculty of Science & Technology, GCUF, on November 15, Faculty of Pharmaceutical Sciences, GCUF on November 23 and Faculty of Engineering, GCUF on November 30.

**Quetta:** PASTIC Sub-Centre Quetta organized a service stall at Department of Zoology University of Baluchistan on Nov. 14.

**Islamabad:** PASTIC Islamabad organized a 3-day stall during the "International Energy Conference" on November 23-25 at the University of Arid Agriculture Rawalpindi.

## Seminar on Information Literacy Skills Organized at GCWU Faisalabad

A one-day seminar on Information Literacy Skills was organized by PASTIC Sub-Centre Faisalabad in collaboration with Govt. College Women University (GCWU), Faisalabad on November 29, 2016. The seminar was aimed at enabling the participants to retrieve the required information as well as analysis and evaluate it. Ms. Nageen Ainuddin, Director PASTIC, was the Chief Guest. Prof. Dr. Nighat Bhatti, Pro-Vice Chancellor, GCWU, Faisalabad was the Guest of



A view of the certificate awarding ceremony of the seminar

Honour. Mr. Saif Ullah Azeem, Principal System Analyst, PASTIC and Mr. Umer Farooq, UAF, were the resource persons of the Workshop attended by over 70 research scholars.

### Pakistan Science Foundation

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