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From the Chairman



"It is the men of knowledge who can truly realize God." (Al Quran; 35:28)

Islam accords great importance to knowledge, learning and education. When the Quran began to be revealed, the first word of its first verse was "Iqra", that is, "Read". Education is thus the starting point of every human activity. The Quran repeatedly asks us to observe the Earth and the Heavens. This

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PSF/PMNH and University of Haripur join Hands for Geological Research and Education



Prof. Dr. Khalil Ahmed Ibupoto, Chairman PSF and Prof. Dr. Nasser Ali Khan, VC, University of Haripur, signed the MoU on behalf of their respective organizations

M e m o r a n d u m of research and education. Understanding was signed Prof. Dr. Khalil Ahmed Ibupoto, Chairman, PSF and Prof. Dr. Nasser Ali Khan, Vice Chancellor, UoH signed the MoU on behalf of their respective organizations. Dr. Akram Sheikh, Director General, PASTIC and other officers also participated in the ceremony. The Chairman expressed the hope that the MoU will go a long way in promoting geological research and education between the two



From the Chairman

gives the human a desire to learn natural sciences. According to Islamic ideology, a Muslim on the one hand is supposed to seek knowledge for the pleasure of his Lord and on the other hand for the welfare of mankind. Islam has identified the factors necessary to make progress in learning. One of these factors is the freedom to conduct research. Placing such great emphasis on knowledge resulted in the awakening of a great desire for knowledge among the Muslims.

The scientific knowledge created by renowned Muslim Scientists like Ibn al-Haytham, Al-Khwarizmi, Jabir ibn Hayyān, Ibn Sīnā and others is our heritage, and we should focus to preserve it and conduct further research for creating more knowledge with the help of modern science.

PSF, as one of the leading organizations continually striving for socio economic development of the country by supporting the researchers and scientists in their scientific projects and other activities.



Prof. Dr. Khalil Ahmed Ibupoto, Chairman PSF and Prof. Dr. Nasser Ali Khan, VC, University of Haripur, exchanging documents after signing the MoU.

organizations. He said and now producing human display of the largest capital. Dr. Nasser said the specimen of whale shark, life field of Geology carried size model of special importance in the Balochitherium and skeleton mineralogy and natural of the largest whale were the sciences. He said that usually, the hallmark of PMNH and the scientists generate represented their uniqueness knowledge in the labs but in the world. He appreciated when they sit together and the efforts of PMNH team for join hands then the undertaking collaborative production of knowledge activities with University of increases manifold. He said Haripur to enhance the through this MoU they would research activities. get benefit from the expertise

Prof. Dr. Nasser Ali Khan of the PMNH. He also said said that the University of that they would replicate the Haripur is a new one, which Rock Garden of PMNH at was established in an University of Haripur. abandoned factory building PMNH DG Dr. Muhammad

Khan Leghari said that the MoU of cooperation between PMNH Earth Sciences Division and Department of Geology, University of Haripur will open new avenues of opportunities for researchers and students. He also spoke on the mandate, functions and achievements of the Museum.

Director, Earth Sciences Division, Dr. Nayyar Iqbal thanked the Chairman PSF, Vice Chancellor University of Haripur and team of PMNH for their support and efforts to develop a link between the two organizations.

Earlier, the PSF Chairman and VC, University of Haripur cut the ribbon to inaugurate newly established Rock Garden at PMNH, which is a new addition to the Museum displays. The Rock Garden will be a beautiful display of various kinds of rocks in open area. It will help a lot in public education, especially of students, in understanding geological formations of rocks in the country.



Prof. Dr. Khalil Ahmed Ibupoto, Chairman PSF and Prof. Dr. Nasser Ali Khan, VC, University of Haripur, inaugurate the Rock Garden at PMNH.



Dr. Nayyar Iqbal, Director, Earth Sciences Division, explaining about the Rock Garden to the guests.

Quote of the Month

A research problem is not solved by apparatus; it is solved in a man's head.

— Charles F. Kettering

Project Formulation Workshop at BUITMES, Quetta

PSF under its Natural Scientists working in Sciences Linkage different public sector Programme has been universities and R&D organizing a series of Project organizations in Quetta and Formulation Workshop to adjoining areas.

Proceedings of the inaugural session started with recitation of Holy Quran. Addressing the occasion, Vice Chancellor, BUITMES, Engr. Ahmed Farooq Bazai, Two days workshop on project formulation held on October 22-23, 2014 at Balochistan University of Engineering and Management Sciences (BUITEMS), Quetta. The workshop was aimed to increase the research proposal writing skills of

Dr. Mirza Habib Ali, Principal Scientific Officer,



Prof. Dr. Muhammad Ayaz Khan Malghani, Pro Vice Chancellor, BUITMES distributing certificates to the participating scientists

Natural Sciences Linkages Programme (NSLP) that the workshop is aimed to train the researchers in writing good proposal, create awareness about PSF-NSLP funding process and procedures and to encourage scientists to prepare need based research proposal within the NSLP priority areas. Scientists were trained about the different aspects of project writing by PSF experts in different technical sessions. Workshop will aid in raising the skills of researchers about formulating research proposals before submitting to PSF and elevating standards of research in the country.



Group photo of the participants of project formulation workshop with PSF team.

PSF Collaborates with Intel at Provincial Science Fair, Lahore & Quetta

Intel Education Initiative, judged by experts/subject Pakistan in collaboration specialists. The closing ceremony was held on 29 Science Fairs (ISF) at Oct, 2014 at the same venue. Provincial, National and Prof. Dr. Khalil Ahmed International level. This year Ibupoto, Chairman, PSF was Intel organized Provincial the Guest of Honor at this Science Fair Punjab at Occasion. He was Lahore. It was organized at accompanied with Dr. Shoukat Khanum Memorial Naushaba Atta, PSO, He also Hospital, Lahore on 27-29 visited the projects of the Oct, 2014. In this fair students and greatly students from all over Punjab appreciated the efforts of the participated along with their students. The grand winners projects. The projects were and some short listed projects



Chairman, PSF Dr. Khalil Ahmed Ibupoto visiting projects of the students.

were announced to were also present at this participate in the National occasion. Fair 2015. In the end, Provincial Science Fair Chairman PSF distributed Balochistan, Quetta was medals and certificates organized at Yazdan Khan among the winners of the Boys High School Quetta Science Fair. Chairman PSF from 13th to 15th October, also presented the shield as 2014. Science Caravan unit appreciation award to Dr. also invited different schools Faisal Sultan, CEO, Shoukat to participate in the Khanum Memorial Hospital, Provincial Science Fair with Lahore. Dr Kousar Abdullah their projects. The Science Malik, Member, PSF BoT Fair was inaugurated by and Ms. Khadija Basir, Intel A g h a R a z a , M P A



Winners of Intel Provincial Science Fair Lahore along with Chairman, PSF Dr. Khalil Ahmed Ibupoto and others



Chairman, PSF Dr. Khalil Ahmed Ibupoto presenting shield to representative of Shoukat Khanum Memorial Hospital, Lahore

Balochistan on 13th October Yazdan Khan Boys High 2014 and he also visited the School Quetta. Ms. Khadija Projects displayed in the Bashir welcomed the guest School Hall, he admired and delivered report to the audience. The chief guest teachers, PSF and Intel Mr. Nasrullah Zahrey MPA education. PSF was involved in the process of judgment in end of closing ceremony and Directorate of Colleges distributed the medals and certificates to the students Quetta. All projects were and teachers. He also judged on 14th October and appraised and appreciated finally Intel Science Fair the efforts of PSF and Intel (Balochistan) Award Education for the ceremony in collaboration arrangement of this science with PSF was held on fair at Quetta, especially for October 15TH 2014 at Govt. the students of Balochistan.

Science Awareness Lecture on Water organized at Quetta

PSF Science Caravan Quetta About 65 students of high Unit organized the Science classes, the principal and Awareness lecture on Water Science teachers attended the and different activities of PSF program. Mr. Maqbool and distributed Master Ahmad (Assistant Director Disaster Kit and set of Urdu Caravan) gave the detailed Science Encyclopedia at Introduction about PSF and Govt. Boys High School its achievements and said that Hazzara Society, Quetta. PSF continuously striving for

developing science culture in the country through its science popularization programs and addressed to the audience about water, its importance, sources and availability. He also discussed that how we can save water for our next generations. At

the end students and teachers asked some questions in a question/answers session. Mr. Maqbool Ahmad handed over Encyclopedia Books and Master Disaster Kit along with DVD to Mr. S. Ibrar Hussain Principal of Govt. Boys High School Hazzara society Quetta. The Principal lauded the efforts of PSF for the promotion and popularization of science among the young students especially in Govt. Institutions of Balochistan. Mr. Maqbool Ahmad thanked the Principal, students and teachers for sparing their time for this Science Awareness Program.



Mr. Maqbool Ahmed, Assistant Director (caravan), PSF Quetta delivering lecture

Chairman PSF as Chief Guest at ISRA University

Conference highlighted the 21st Century Challenges & Strategy in Neuro Rehabilitation

Prof. Dr. Khalil Ahmed Ibupoto, Chairman PSF participated as chief guest in the Inaugural Ceremony of 1st International Conference of Neuro Rehabilitation and 3rd National Rehabilitation Conference organized by ISRA University, Islamabad on 31st Oct, 2014 on the theme 21st Century Challenges & Strategy in Neuro Rehabilitation. Speaking on the occasion, Dr. Ibupoto thanked and appreciated ISRA University's organizing Committee and worthy Pro



Chairman PSF, Prof. Dr. Khalil Ahmed Ibupoto presiding conference as Chief Guest

Inauguration of Rehabilitation Society by Prof. Dr. Khalil Ahmed Ibupoto, Chairman PSF during conference

Vice Chancellor, Prof. Altaf Ali Shaikh and Executive Director, Mr. Saleem Kazi for arranging an important event in a systematic way. He added that ISRA University is doing excellent job for capacity building of the researchers through promotion of science, which is ultimately the aim of PSF and it is also required for our economic development as well. He said that this is a unique forum providing a common

ground for the formal as well as informal exchange and flow of knowledge for mutual benefit. In the conference, a number of International and national speakers also highlighted the importance of the theme. Mr. Saleem Kazi, Executive Director and Prof. Dr. Altaf Shaikh, Pro VC, ISRA University presented souvenir to Prof. Dr. Khalil Ahmed Ibupoto, Chairman, PSF.

Commemoration of World Science Day planned

PSF in collaboration with UNESCO and other stakeholders celebrates World Science Day for Peace and Development every year on Nov, 10. This year PSF has planned to celebrate the day in collaboration with CIIT Wah & UNESCO. To discuss the various

activities for that day like convention of scientists, Award of Z.A. Hashmi Gold Medal, student's competitions and Prize distribution among winner students of Inter Board Science Essay and Poster Competitions, a meeting was held on 13.10.2014. The meeting

was headed by Chairman, PSF Dr. Khalil Ahmed Ibupoto. Dr. Hasan Bilal, CIIT Wah and Mr. Raza Abbas from UNESCO attended the meeting. Dr. Naushaba Atta, PSO and Mr. Abdul Rauf, SSO were also present in the meeting.

IBSE Orientations Sessions for the teachers of Abbotabad and Batrasi arranged

Science Caravan Federal Oct, 2014 at Hill Crest respectively. In these participants. The Principals Unit arranged two School and college, sessions, 40 teachers and the teachers greatly orientation sessions on IBSE Abbotabad and Pakistan, along with 30 students appreciated the activity. for the teachers of Abbotabad Scouts Cadet College, participated. Ms. Zaiban and Batrasi on 27 Oct and 30 Batrasi Mansehra Farooq, AD and Mr. Asadullah briefed the teachers about PSF activities and IBSE programme. Hands on activities related to science curriculum of Primary and Secondary level were also performed during these sessions. Some videos on IBSE Classroom sessions were also shown to the



IBSE orientation session at Abbotabad



IBSE Hands on activities performed by students at Batrasi

Science Caravan attracted masses across the country

Federal

Science Caravan Exhibition was arranged at Hill Crest School and College, Abbotabad w.e.f. 20-25 Oct, 2014 and at Pakistan Scouts Cadet College, Batrasi Mansehra w.e.f. 26-31 Oct, 2014, in which more than 2800 students and teachers from 10 schools participated.



Students being briefed about the wind mill model at Abbotabad



Briefing about Constellations inside the Starlab Planetarium at Khanewal

Punjab

Science Exhibition was arranged in Government Girls English Medium High School and PEF School Atta Jahanian District Khanewal Town Tehsil Jahanian District Khanewal w.e.f. 20 October – 24 October, 2014. More Than 95 teachers and 2,700 students visited this exhibition.

Suukur

Sukkur unit arranged the Science Caravan exhibition at Govt. (Boys) high / higher secondary Schools of Taluka/District Naushero Feroz from 13th October-to-28th October, 2014. More than 2950 students, teachers

and other staff of 16 schools visited the science exhibition.

Tandojam

Science Caravan Tando Jam Unit has organized Science Caravan exhibition at Govt. Boys/Girls High School Daultpur District Shaheed Benazirabad (Nawab Shah). About 3019 students, 73 Teachers and 15 schools visited the science caravan exhibition.



Students showing interest in scientific documentary arranged by Tandojam Unit



View of slide show (solar system) inside the planetarium arranged by sukkur unit

KPK

Science Caravan Exhibition was arranged at GHS Maghdarzai, Peshawar and GCMHS Akora Khattak, Nowshera w.e.f. 13.10.2014 to 18.10.2014 and 20.10.2014 to 1.11.2014 respectively. In both exhibitions, 2456 students, 71 teachers from 12 schools visited the exhibition.

Important Meetings/Events attended

Prof. Dr. Khalil Ahmed Ibupoto, Chairman, PSF attended following meetings/event during the month of October, 2014;

- Meeting with Intel Education Initiative, Pakistan on 1.10.2014.
- Meeting with Dr. Ashiq Ahmad, EVK2 CNR on 1.10.2014.
- Presentation to Dr. Muuhammad Yahaya Khawaja, Member (S&T), Planning Commission on S&T on 3.10.2014.
- Meeting with Mr. Raza Shah, UNESCO and Dr. Rafiq, PMNH regarding SACAM on 4.10.2014

- Meeting at PMAS, Arid Agriculture University, Rawalpindi on 10.10.2014.
- Headed PSF Selection Board Meeting on 15.10.2014
- Participated in inaugural ceremony of Pakistan Innovation Forum 2014 at Islamabad on 16.10.2014.
- Presentation regarding "Recommendations for Cabinet Committee on Restructuring" in MoST on 16.10.2014.
- Attended 17th Executive Board Meeting of HEJ, Karachi on 22.10.2014.
- Chaired PSF Travel Grants Award Committee Meeting on 24.10.2014.
- Headed PSF Executive Committee Meeting on 30.10.2014.

Pakistan Museum of Natural History (PMNH)

Editor: Dr. Saleem Ahmad, Director, PSD

PMNH helps NUST students on a research project

Two NUST students Ms. Midhat Mustafa and Ms. Tayyaba Komal completed their Bachelor of Science degrees with support of PMNH under the supervision of Dr. Muhammad Faraz Bhatti (Assistant Professor ASAB, NUST) for the year 2014. PMNH contributed macro fungi specimens under the agreement of

MoU between two organizations. The students conducted research on the topic Prevalence of Mycoviral Infection & Antibacterial Activities in some unidentified mushroom samples and Identification of mycoviral infection in some unidentified mushroom species and their antibacterial studies. Two honorary thesis

copies awarded to PMNH. Dr. Faraz and researchers paid their gratitude to PMNH for providing specimens without which it would have been very difficult to carry out this research. It is hoped that this research will open new horizon for other scientist as well as strengthen the research activities between both organizations.

Group of students from different schools visit PMNH

A group of 110 students with their Principal and teaching staff from The Balance School, Sialkot visited PMNH display galleries on 25th October. Dr. M. Ismail and Muhammad Imran facilitated the visit and imparted informal education about the natural history of Pakistan, including plants, animals, rocks, minerals and fossils. Dr. Saleem Ahmad, Director Public Services



Group photo of the students of the Balance School, Sialkot visiting PMNH

Division awarded a PMNH souvenir to the Principal of the School. The school system offered thanks and appreciated for good facilitation from the PMNH staff.

Besides the above a number of student groups from various parts of the country visited the PMNH Display Centre. This month, a total of 3771 students visited the PMNH Display Centre.

Pakistan Scientific & Technological Information Centre (PASTIC)

Editor: Mrs. Rahila Khurram

Workshop on “Developing Industry Driven Technologies” organized at Faisalabad

Pakistan Scientific and Technological Information Centre (PASTIC), Islamabad and Institute of Research Promotion (IRP), Lahore have planned to organize a series of workshops on “Developing Industry Driven Technologies” at universities across Pakistan to orient researchers about approaches and practices used in industry driven technologies as well as to train them how technologies are being planned, developed and commercialized. In this series a One day training

Workshop on “Developing Industry Driven Technologies” at Bahauddin Zakariya University, Multan was organized on October 23, 2014 by PASTIC Sub-Centre Faisalabad. Prof. Dr. Muhammad Ashraf, Vice Chancellor, Mian Muhammad Nawaz Sharif University of Agriculture Multan was the Chief Guest and Mian Iqbal Hussain, President, MCCI, Multan was the Guest of Honor at the Inaugural ceremony of the workshop. 45 scientists of BZU and from other

organizations/ institutions of testing and production scale Multan participated in the of different industrial workshop. The workshop products. Competent was based on case studies of resource persons from industrial projects developed academia and industry through identification, delivered talks and planning, lab works, pilot presentations



Prof. Dr. Muhammad Akram Shaikh D.G. PASTIC, Mian Muhammad Iqbal, President, MCCI, Prof. Dr. Muhammad Ashraf, V.C., MNSUA, Multan and Prof. Dr. Saeed A Malik, Dean Faculty of Sciences, BZU, Multan at the Inaugural Ceremony of Workshop.

MoU inked between PASTIC and MUET, Jamshoro

Pakistan Scientific and Technology Information Centre (PASTIC), Islamabad & Mehran University of Engineering & Technology (MUET), Jamshoro, signed a Memorandum of Understanding (MoU) for collaboration in the area of information exchange, sharing of library resources and joint events. The MoU signing ceremony was held at MUET, Jamshoro on October 17th, 2014. The Chairman, PSF Dr. Khalil Ahmad Ibupoto signed the MoU on behalf of PASTIC/PSF, whereas Prof. Dr. Muhammad Aslam Uqaili, Vice Chancellor, MUET signed on behalf of the MUET. The Director General PASTIC Prof. Dr. Muhammad Akram Shaikh witnessed the signing

ceremony.

As a result of this MoU, a PASTIC-MUET Information Desk has been set at the MUET Library & Online Information Center. Services will be provided from all information resources available in both MUET Library and PASTIC including databases, e-journals, e-books, publishers data, etc. PASTIC will also provide training to MUET Library staff for using PASTIC on-line resources.

This cooperation and collaboration in sharing information resources of PASTIC & MUET, Jamshoro would enhance accessibility to the global information resources for the scientific community housed in the nearby

universities in and around Jamshoro for promotion of R&D culture in the country through dissemination of scientific information.



Dr. Khalil Ahmad Ibupoto, Chairman, PSF and Prof. Dr. Muhammad Aslam Uqaili, Vice Chancellor, MUET exchanging MoU document. Muhammad Akram Shaikh, D.G. PASTIC is also present

Pro Vice Chancellor, QUEST, Nawabshah visits PASTIC

Prof. Dr. Saleem Raza Samo, Pro Vice Chancellor, QUEST, Nawabshah visited PASTIC on October 28, 2014. Prof Dr. Akram Sheikh delivered a presentation on PASTIC Services. The Pro Vice Chancellor, QUEST visited different sections of PASTIC and appreciated the services & efforts of PASTIC in promoting and facilitating research in the country.



Prof. Dr. Saleem Raza Samo, Pro VC, QUEST Nawabshah, visited PASTIC Library

One Day Breast Cancer Awareness Seminar at Bannu

Ms. Gazala Yasmeen Malik, Deputy Director, Peshawar Sub-Centre delivered a detail presentation on PASTIC Services during one day Breast Cancer Awareness Seminar at Bionor-Bannu on October 27, 2014. The activity was organized by IRNUM Hospital Peshawar. Doctors from local hospitals of Bannu and students from Bannu University of Science & Technology participated in the event.

PASTIC Services Stall:

Faisalabad

PASTIC services stall was organized at Faculty of Agriculture, University of Agriculture, Faisalabad on September 27, 2014 by PASTIC Sub-Centre Faisalabad. A large number of students / researchers and faculty members visited PASTIC stall.

Quetta

Another PASTIC services stall was organized at Balochistan University of Information Technology Engineering & Management Sciences, Takatu Campus, Baleli-Quetta on October 22, 2014 by PASTIC Sub-Centre Quetta. A large number of researchers/students visited PASTIC Stall.

Karachi

PASTIC Sub-Centre Karachi

organized a PASTIC services stall at Mehran University of Engineering and Technology, Jamshoro from October 22-24, 2014 during "3rd International Conference on Energy, Environment & Sustainable Development (EESD 14)".

Peshawar

The PASTIC Sub-Centre Peshawar organized a PASTIC services stall at Institute of Biotechnology & Genetic Engineering (IBGE), The Agriculture University Peshawar on October 21, 2014. Students from B.Sc. Hons. to Ph. D level visited the stall.

Another PASTIC services stall at Peshawar was organized at Home Economics College, The Agriculture University on October 28th, 2014.

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