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Pakistan Science Foundation

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PSF NEWS

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From the Chairman



"And We send down from the sky water in measure, and We give it lodging in the earth and We certainly are able to drain it off" Al Quran 23:18

Importance of water can never be denied, there is a well known saying that the 3rd world war will be fought over water. From the Ancient times, people were staying near water lakes and banks of rivers, and many times there were disputes among them to get hold on water reservoirs. With the increase in population manifold, the resources of drinking water are depleting, the need is to use the available water

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International Expo on Water concluded from Pakistan



French Ambassador H.E. Mr. Philippe THEIBAUD, Federal Secretary, MoST Mr. Kamran Ali Qureshi, and PSF Chairman, Prof. Dr. Khalil Ahmed Ibupoto addressing the audience during the closing ceremony at Quetta.

The International Traveling Expo "Water at the Heart of Science" was jointly organized by France and Pakistan. It started its voyage on 6 May from Islamabad to Sargodha, Mirpur (AJK), Peshawar and closed at Quetta on 12 June. Now the Expo will go back to France for its next destination. It caught attention of more than 16,200 students, teachers and general public.



Dignitaries, Scientists and general public visiting the Expo

At Quetta, the arrangements were made at Arfa Karim Randhawa Expo Centre, BUITEMS, Quetta. The expo was opened by Dr. M.A.K. Malghani, Pro-Vice Chancellor, BUITEMS. He praised and appreciated the efforts of PSF. In this Expo large number of students and general public participated to get firsthand knowledge about "Water". At the closing, French Ambassador H.E. Mr. Philippe THEIBAUD, and honorable Federal Secretary, MoST Mr. Kamran Ali Qureshi

Cash Award Ceremony for Finalists of Intel National Science Fair



43rd Meeting of PSF Board of Trustees



Participation of PSF Officer in 5th International Seminar on LAMAP in Paris



PMNH signed Memorandum of Understanding (MoU) with Hagler Bailly-Pakistan



From the Chairman

wisely. PSF has always tried to highlight the issues of national importance like water among the young generation through its science outreach programs. Expos are fairs play very important role in creating awareness about such issues and are great sources of non-formal education. By virtue of these kind of activities, on one side we present highly technical scientific phenomena in popular language to promote science among the masses and on the other we try to highlight themes of the key importance like Biodiversity, Energy, Environment, Mathematics, Chemistry and now on Water. Undoubtedly, the Expo "Water at the Heart of Sciences" encompassed almost all facets of Water sciences through interesting models and hands on activities. PSF appreciates the support of Centre Sciences, Orleans and Embassy of France-Islamabad, who have been providing these scientific expos on for their showcasing in Pakistan since 2008. I want to be like water, which slips through fingers but can hold up a ship.
~ Michelle Williams

were among the special guests of the occasion. PSF Chairman, Prof. Dr. Khalil Ahmed Ibupoto and V.C. BUITEMS, Engr. Ahmad Farooq Bazai hosted the closing ceremony. The Chairman welcomed the honorable guests and participants. He briefed about mutual collaborative activities taken by PSF and French Partners so far. The Federal Secretary, MoST Mr. Kamran Ali Qureshi highlighted water issues and urged the young generation to use water resources wisely. He appreciated the efforts of PSF on arranging the activity and assured his full support for this national cause of Science awareness in the country. H.E. Mr. Philippe THIEBAUD briefed about mutual collaborative activities of Govt of France for promotion of science education and socio economic development of Pakistan. At the end, the VC BUITEMS, Engr. Ahmad

Farooq Bazai thanked the honorable guests and participants for sparing their valuable time to participate in the Expo.

Pakistan Education Foundation arranged stalls displaying projects of students from different schools of Quetta related to water. The honorable guests appreciated the students of schools and colleges on preparing very informative and interesting models on water.

PSF awards Cash Prizes to the Finalists of Intel ISEF - 2014



The Chairman, PSF addressing the audience during the Cash Award Ceremony

PSF and Intel Education have been joining hands for creating science culture among the youth since 2002, for which Provincial and National Science Fairs are organized on regular basis. PSF provides expertise of its scientists for mentorship and evaluation of the students' projects. The national winners also participate in Intel International Science and Engineering Fair (ISEF) held



The Chief Guest, MNA, Chaudhry Munir Azhar awarding prizes to the finalists/winners of Intel National Science Fair

Quote of the Month

The most important thing we can do is inspire young minds and to advance the kind of science, math and technology education that will help youngsters take us to the next phase of space travel.

John Glenn

in United States. For Intel ISEF-2014, the finalists traveled to Los Angeles, California from 11 to 16 May 2014. Dr. Naushaba Nadeem, PSO accompanied the students as Chaperon.

For encouragement of the winners, PSF arranged prize distribution ceremony on June 19, 2014. Member National Assembly, Chaudhry Munir Azhar was the Chief Guest on this occasion. Additional Secretary, MoST Mr. Tahir Maqsood Khan was the guest of honour. Ms. Khadija Bashir represented Intel Education, Pakistan. The Chief Guest said such ceremonies are great source of motivation for the talented

students to take them towards the heights of success. The MNA said he is proud of the Danish School, Hasilpur girl students, who performed excellent in the ISEF-2014 and won special prize from USA.

The Additional Secretary, MoST Mr. Tahir Maqsood Khan highlighted the importance of science and technology in national development of any country. He said the PSF and Intel collaboration is resulting into the participation of students from far flung areas of the country into international science fairs and bringing forth their hidden talent.

PSF Chairman congratulated the finalists who first won

competition at national level and then represented Pakistan at international level. He said PSF in collaboration with Intel is supporting and guiding students to take part in international science events.

Intel Education Pakistan Representative Ms. Khadija Bashir and PSF Chief Scientific Officer Dr. H. U. Khan also spoke on this occasion. They appreciated the cooperation of different S&T organizations and Ministry of Science and Technology in the activity. They congratulated the students, teachers, mentors and judges on their devoted efforts, which resulted in historical success of Pakistan

in Intel ISEF-2014. At the end, cash awards and gifts were distributed among winners of Intel National and International Science Fairs.

It is pertinent to mention that the nine member team of students represented Pakistan in U.S. and Project of three girl students of Daanish School, Hasilpur, won 5th position in ISEF and they got \$1000 prize.

The Hasilpur group includes students Sana Batool, Iqra Irsahd, Shazia Bibi and their teacher Maryam Akbar. They were awarded Mawhiba's Special Award 2014 by the Representatives of King Abdul Aziz Foundation-KSA for the outstanding performance.

Science Excel Camp conducted for the students

As Part of its Science Popularization activities, PSF collaborated with Federal Directorate of Education and Intel Education, Pakistan in organizing Science Excel Camp for the Science students of class 9th to 12th on June 10, 2014 at Islamabad College for Girls F - 6/2, Islamabad. Orientation session was organized for the schools of Islamabad regarding the preparation of Science Fair going to be held in September-October 2014 at Islamabad. In this regard, mentors/resource persons from PSF, PASTIC, PMNH and Pir Mehr Ali Shah, Arid Agriculture University, Rawalpindi and other institutions participated to guide the students for their projects in the relevant fields. In the opening ceremony, Mr.



Mr. Saifullah Azim, Sr. System Analyst, PASTIC briefing the students and teachers about importance of research in sciences

Abdul Waheed, Director (training), FDE briefed the students and participants about the purpose of organizing the Excel camp and emphasized the students

Associate briefed the teachers and students about research in sciences and how to plan and conduct the research in the relevant field. After wards mentors provided guidance to the students and teachers about their projects and briefed them how to write an abstract or synopsis. More than 300 students and teachers participated in the camp and 60 projects were registered during the camp.

At the end, Mr. M. Rafique Tahir, Joint Education Advisor, CA & DD appreciated the efforts of PSF, FDE and Intel for this national cause of popularization of science. It is worth mentioning here that PSF has signed MoU with Intel Education, Pakistan for mutual collaborative activities for promotion of Science in the country. The

both organizations also other activities for creating society including organizing International Science Fairs. collaborate in a number of science awareness among the provincial, national and



Mentors/Subject Experts busy with the students and teachers during Science Excel Camp at Islamabad

43rd Meeting of PSF Board of Trustees held on 10 June

The 43rd meeting of PSF Board of Trustees was held at PSF on 10th June-2014. The Chairman PSF, Prof. Dr. Khalil Ahmed Ibupoto presided over the meeting. He presented brief performance of the Foundation before the honourable members of the BoT. A number of matters regarding budgets and administration were discussed in details. The Board gave its valuable input for improvement of the statutory functions and desired to explore ways and means to get



43rd Meeting of PSF Board of Trustees presided by Prof. Dr. Khalil Ahmed Ibupoto, Chairman, PSF

more funds for promotion of sciences.

The Chairman shared some recent developments with the Board, followed by a video report of PSF activities. Prof. Dr. M. D. Shami and other members highly appreciated PSF collaboration with Intel Education and support to the winner students, who participated in Intel ISEF held at Los Angeles, California and got special prize on their excellent performance.

The Board offered *Fateha* for the departed soul of Prof. Dr. Shehzad A. Mufti, Former Chairman, PSF; D.G. PMNH and Member, BoT.



Group Photo of BoT Members

Project Formulation Workshop organized at SBBU, Dir

PSF in collaboration with Shaheed Benazir Bhutto University (SBBU), Sheringal, Dir organized two days training workshop on writing skills for good and winning research projects on 17-18 June at SBBU Campus. Large number of Scientists and Faculty members participated in the workshop.

In the inaugural session, Dr. Syed Khawaja Alqama Dean, Faculty of Sciences delivered his welcome address and also thanked PSF for organizing the workshop. He urged the participants to take full advantage of workshop and learn valuable techniques of formulating the quality project proposals.

Dr. Mirza Habib Ali, Principal Scientific Officer, briefed about PSF, its activities and explained the role of the Foundation for promotion of science in the



Dr. Mirza Habib Ali, PSO, NSLP awarding certificates to the participant



Group photo of the Participants of the Workshop

country. He provided the problem solving detailed guidelines to the approach. The university participants to formulate a appreciated PSF on fund winning project. Other organizing this very PSF team members of the informative training session Project Formulation and ensured that the workshop gave hands on workshop will help in training to the researchers of elevating the standards of the University. Dr. Mirza scientific research in the added that quality of research country. PSF also aims to needs to be at par with the hold a series of workshops international standards and it on project formulation can only be possible if across the country in coming researchers concentrate on months.

University-Industry-Government Linkages discussed

Prof. Dr. Khalil Ahmed Ibupoto, Chairman, Pakistan Science Foundation, Dr. Akram Sheikh, Director General, PASTIC and Dr. Mirza Habib Ali, Team Leader, R&D-Industry Programme of PSF held meeting with Dr. Arabella Bhutto, Co-Director, Mehran University Institute of Science, Technology and Development (MUISTD), Jamshoro on June 20, 2014 to discuss project on, "Analysis of University-Industry-Government Linkages in Pakistan". The purpose of her visit was to review the



Dr. Khalil Ahmed Ibupoto, Chairman, PSF in meeting with Dr. Arabella Bhutto, Co-Director, MUISTD. Dr. Mirza Habib Ali, Team Leader, R&D-Industry Programme is also present.

contributions of public sector organizations towards facilitating University-Industry-Government Linkages. The Chairman shared his experiences about PSF initiatives regarding University-Industry Linkages through its R&D-Industry Programme. Several initiatives were discussed which have to be jointly conducted by PSF and MUET including the establishing of “National Database on R & D Resources”, and signing of MoU among PSF, PASTIC and MUET.

Prior her visit to PSF, She also visited PASTIC on June 18, 2014. The main objective of the visit of Dr. Arabella was to collect data of PASTIC-UIP-Program (University-Industry-Partnership-Program) in terms of its objectives, activities and analytical



Prof. Dr. Muhammad Akram Shaikh, Director General, PASTIC presiding over the meeting along with his team with Dr. Arabella Bhutto, Assistant Professor, MUISTD

feedback regarding response of the three UIP stakeholders i.e. University, Industry & Government to absorb and get benefit from the efforts made through PASTIC UIP-Program.

The meeting was held in PASTIC Committee room which was presided over by

Director General PASTIC, delivered a detailed presentation on PASTIC UIP-Program.

After the presentation, there was a very interactive discussion on PASTIC UIP-Program and current status of university industry and government linkages in Pakistan.

Dr. Saima Tanveer, SSIO

Adviser to the Secretary, U.S Department of State visited PSF

Mr. E. William Colglazier, Science & Technology Adviser to the Secretary of State, U.S Department of State visited PSF on June 06, 2014 to meet PSF team. He was briefed about PSF activities and the future initiatives. Mr.

Colglazier appreciated PSF initiatives and pledged to play his role to strengthen Pak-US co-ordination in the field of Science & Technology.



Mr. E. William Colglazier, Science & Technology Adviser to the Secretary of State, U.S Department of State is being briefed about PSF activities during his visit at PSF on June 06, 2014



Mr. E. William Colglazier, Science & Technology Adviser to the Secretary of State, U.S Department of State with PSF Officers on June 06, 2014

Success of PSF-NSLP Funded Project Leads to Performance Based Gold Medal

Dr. Yousaf Saleem, Principal Scientist, NIAB, Faisalabad was awarded performance based gold medal on May 28, 2014 by Pakistan Atomic Energy Commission (PAEC), Islamabad. PSF-NSLP funded project titled "Development of high yielding and disease resistant hybrids of tomato (2012-15)" played a significant role in award of this medal.



Dr. Yousaf Saleem receiving Performance Based Gold Medal Award from PAEC.

Participation of PSF Officer in 5th International Seminar on IBSE at Paris

Mr. Abdul Rauf, Education (IBSE) held on 2-7 June, 2014 at Paris-France. participated in 5th International Seminar on French approach on IBSE Inquiry Based Science "La main a la pate"

(LAMAP), and issues, development of science strategies for innovation in teachers and Master educational practices and its Trainers. Future Plans for generalization into inclusion of IBSE approach educational systems. The in teaching-learning process seminar focused on the and assessment system was discussed in detail.



Mr. Abdul Rauf, SSO representing his group in formulating the recommendations of LAMAP Seminar



Participation in Seminar activities

Research Projects Reviewed

A total of seven (07) research projects related to Medical, Biological, Chemical, Agricultural Sciences and Biotechnology & Genetic Engineering were received and sent for review to the subject experts. Five (05) progress reports were received and sent for evaluation to the subject expert. PSF Technical Committees on Engineering Sciences was held in the committee room of Pakistan Science Foundation wherein 15 new project proposals and 05 progress reports were presented in the meetings.

Financial Support to Scientific Societies and Journals

The Foundation also provides funds to Scientific Societies for holding their regular conferences, workshops, Seminars, meetings and publication of scientific journals in various disciplines. During the report period grants were released to four scientific Societies namely; Pakistan Phytopathological Society, Pakistan Society for Biochemistry & Molecular Biology; and Botanical Society and Weed Sciences Society of Pakistan.

Officers/Officials from PSF and PMNH retired

Mr. Abdul Rahim Rajpar, have been retired. In the Director, PSD, Mr. Sakhi recognition of theirs' services Muhammad, Helper from farewell gathering was PMNH and the PSF's officials arranged on 30th June, 2014 Mr. Mehdi Shah Qasid; Mr. at PSF's Auditorium. Prof. Dr. Bashir Maseeh, Sweeper Khalil Ibupoto, Chairman;

Mr. Haider Zaman Khattak, Officers/Officials from PSF, Secretary and Dr. H. U. Khan, PASTIC and PMNH were Chief Scientific Officer also present. At the end, gifts spoke on the occasion and and flower bouquets were gave appreciated remarks for presented to the retired persons by the Chairman.



Group Photo of retiring officials with Chairman, PSF

Important Meetings/Events Attended

- Attended 16th Meeting of the Executive Board of the HEJ Research Institute of Chemistry, University of Karachi on June 02.
- Participated in Conference on Science, Technology & Engineering for Development from Innovation to Implementation, organized by US Embassy & HEC at Marquee Hall, Marriott Hotel on June 03.
- Stone Laying Ceremony of the Medicinal Plants Research Unit at Medicinal Plants Unit (N-75, 31 KM) Lakoat Murree Express way on June 03.
- Presided PSF Executive Committee Meeting on June 03.
- Meeting with Dr. Colgalizer and Mr. Christopher Devere, Economic Section, US Embassy on June 03.
- Standards and Metrology Institute for Islamic Countries (SMIIC) and the OIC World Halal Assembly, organized by PSQCAAT Shamadan Hall, Serena Hotel, Islamabad on June 04.
- Presided NSLP budget meeting in the Chairman's Office on June 04.
- Meeting with DG, PMNH & DG, PASTIC on June 05.
- Chaired PSF Travel Grants Award Committee Meeting on June 09.
- COMSATS 62nd Convocation of Islamabad Campus at Jinnah Convention Centre, Islamabad on June 19.
- Celebration to mark attainment of No. 1 position of PIEAS in the Auditorium of PIEAS on June 19.
- National Engineering Robotics Contest 2014 at College of R&ME on June 21.
- Reception by the Ambassador of France at Sheesh Mahal Hall, Islamabad Serena Hotel, Islamabad on June 23.
- Chaired Technical Committee Meeting on Engineering Sciences on June 25.
- Pre-PAC Meeting in the Committee Room of the MoST on June 26.
- Seminar Message, organized by Public Forum Pakistan at Ramada Hotel, Islamabad on June 26.
- Visit to Dr. Javed Bhatti, National Institute of Vacuum, NCP Building, Islamabad on June 27.
- Attended Presentation on "Smart Remote" by Dr. Akhtar Khalil in the PSF Committee Room on June 30.

Pakistan Museum of Natural History (PMNH)

Editor: Dr. Saleem Ahmad, Curator

Director, PSD , PMNH, Mr. Abdur Rahim Rajpar, retired from his services

Mr. Abdur Rahim Rajpar retired as Director, PSD on June 30. Mr. Sakhi Muhammad, Qasid, PSD, also retired on 30th June. A farewell party was arranged in the audio-visual hall of PMNH on June 27 in honour of the retiring personnel. Prof. Dr. Khalil Ahmed Ibupoto, Chairman, PSF, Dr. M.K. Leghari, Director General, PMNH, Dr. M. Rafiq, Deputy Director General, PMNH, Dr. Nayyer Iqbal, Director, ESD, and Mr. Haider Zaman Khattak, Secretary, PSF, were present at this occasion. The retiring personnel were presented gifts by the Chairman, PSF and DG, PMNH. The speakers in the farewell party praised the services and good attitude of Mr. Abdur Rahim Rajpar in detail.

Mr. Abdul Rahim Rajpar joined PMNH in 1982 as a Research Associate in Earth



Prof. Dr. Khalil Ahmed Ibupoto, Chairman, PSF, presenting gift to Mr. Abdul Rahim Rajpar. Dr. M.K. Leghari, D.G., PMNH, Dr. M. Rafiq, Deputy DG, PMNH, Dr. Nayyer Iqbal, Director, ESD and Mr. Haider Zaman Khattak, Secretary, PSF, are also present.

Sciences Division. He worked with many senior scientists and several international scientists as well. He contributed in his field not only by research but also by collecting thousands of vertebrate specimens. He discovered the indication of Orangutan, a pre-historic

man, from Pothohar region. Alongside with his research, he also took keen interest in the development of PMNH displays, dioramas, galleries and exhibits. As a Director, PSD since the last three years, he played a vital role in enhancing the public display activities. He initiated two shifts and museum galleries hours were extended for the visitors.

Mr. Sakhi Muhammad joined PMNH in 1981 as helper in PSD. He worked with many officers in the museum and facilitated them with his hard working nature.



A group photo of Mr. Abdur Rahim Rajpar, Director, PSD with the officers and staff of PMNH on the occasion of the farewell party.

PMNH signed Memorandum of Understanding (MoU) with Hagler Baily-Pakistan

PMNH and Hagler Baily-Pakistan renewed their collaboration through a new Memorandum of Understanding (MoU) on 26th June in the PMNH Committee room. Prof. Dr. Khalil Ahmed Ibupoto, Chairman, PSF was also present on the occasion. Under the MoU research collaboration between the two organizations will be continued and strengthened.



MoU signing ceremony at PMNH

Fields Work conducted by PMNH zoologists

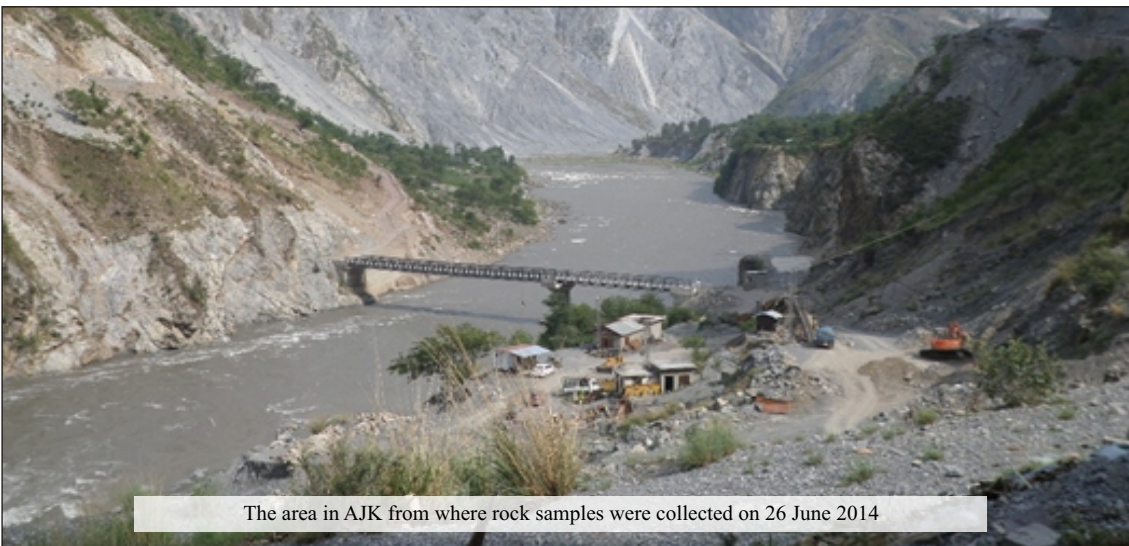
A team of zoologists lead by Mr. Mishkat Ullah, Research Associate, carried out field work for collection insect fauna of Tarbella and Pothohar from 26th May 2014 to 2nd June. In Tarbella area forty pit fall traps were installed for collection of Carabid beetle fauna. Four important species of Carabid beetles were collected from Tarbella. Similarly Attock, Choa-Saidan-Shah, Chakwal and Jehlum areas were also thoroughly searched for the collection of insect fauna particularly associated with Carabid beetles. In Pothohar region mostly humid habitats were focused for insects collection. This field work resulted in the collection of 610 beetle specimens and 120 butterflies. Mr. Shabir Ali Amir, Research Associate, ZSD, carried out field work of the coastal areas of Karachi and surrounding areas like Ketu Bunder, Hawks bay, Hub River estuary, etc. during 25th May to 6th June. About 600 specimens of marine fishes were collected from coastal areas of Karachi and its adjoining areas. Among this collection 22 species have been represented for the first time in the fish



Mr. Mishkat Ullah installing pitfall traps in Topi near Tarbella

repository of PMNH. Two Wildlife Department, skeletons of Indus Blind Sucker were also obtained from the officials of Sindh

Mr. Muhammad Imran, Research Associate, ESD and Senior Artist Mr. Muzzafar Faizi Awan, carried out field work in Muzaffarabad area, Azad Jammu & Kashmir on 26th June. The purpose of the field work was to collect specific rocks for the PMNH Rock Garden project. During this field work they collected 70 specimens of low grade metamorphosed Shale, and low grade Schist from the rock sections of Neelum valley.



The area in AJK from where rock samples were collected on 26 June 2014

Groups of students from all over Pakistan visited PMNH

During the month of June the students from the following institutes visited the museum display galleries and herbaria:

- Start Weal Education, Rawalpindi
- Govt. R.I High School Haroon Abad, Bahawalpur
- Govt. High School 206/M Chishtian
- Sunshine Grammar Public School, Swabi, KPK
- Allama Iqbal Model School & College Swabi, KPK
- Albadar Cadet High School Dinga Distt, Gujrat
- Al-Mustafa Academy, Islamabad
- Dar-e-Arqam G-9 & Gulraiz Campus
- Govt. Post Graduate College for Women Satellite town, Rawalpindi
- Department of Computer Sciences Shaheed Benazir Bhutto University, Upper Dir, KPK
- FGS College for Women Faisalabad
- R.I.S.E School Swabi, KPK
- G.H.S Jalala, Mardan, KPK
- Department of Applied Psychology Islamia University, Bahawalpur
- Jinnah Computer & Science Academy Sialkot
- Great Beginnings School System, Islamabad
- PMAS-Arid Agriculture University Rawalpindi



Teacher guide explaining about Earthquake exhibit to students



Group photos of students visiting PMNH

Pakistan Scientific & Technological Information Centre (PASTIC)

Editor: Syed Aftab Hussain Shah

One day Workshop on “Encouraging Problem-Solving Research Policy for Enabling Environment,” at Faisalabad.

A one-day Consultative Agriculture Research Workshop on “Encouraging Problem-Solving Research Policy for Enabling Environment” on 17th June 2014 was organized at Ayub

Punjab participated in the 110 participants in the event. Workshop. Engr. Sohail Bin Rashid, President Faisalabad Chamber of Commerce & Industry with his executive body and Chairman PHMA also participated. There were



A glimpse of Workshop on “Encouraging Problem-Solving Research Policy for Enabling Environment,” at Faisalabad.



Prof. Dr. Muhammad Akram Shaikh, Director General, PASTIC giving shield to Engr. Sohail Bin Rashid, President FCCI.

Participation in a Focus Group Meeting with Pharma & Food Sector of Hattar Industrial State.

The Commercialization Cell Most, Peshawar, Ms. Ghazala Yasmien Malik & Deputy In-charge & Food Industrial Sectors of Commercialization Cell Hattar Industrial State, Peshawar Muhammad District Haripur in Farhan Nasir were also collaboration with Hattar Industrial Association on June 18, 2014.

Scientists/Technical experts from organizations of MoST, PCSIR-Peshawar, NIE and representatives of Pharma and Food Industries participated in the meeting. Executive Director, Commercialization Cell, Dr. Syed Shahid Hussain, Deputy Director, Dr. Ahmed Bilal, In-charge Commercialization Cell

Dr. Inyat-ur-Rehman & ready for commercialization. Muhammad Seed gave brief Mr. Ahmed Nadeem presentations about the Siddiqui explained the available facilities at PCSIR audience about various Laboratories Peshawar, in activities and services Pharma & Food Sectors and provided by NIE to the also about the process industrial sector, especially developed by the scientists of in the energy audit that helps the Laboratories which are to save energy up to 50%.

Important Meetings/Workshops attended:

- Prof. Dr. Muhammad Akram Shaikh, Director General PASTIC visited University of Central Punjab, Lahore for zero visit of BS Computer Engineering Department on June, 4th, 2014. He was nominated as Convener and Expert Computer Engineer by the Pakistan Engineering Council, Islamabad.
- Prof. Dr. Muhammad Akram Shaikh, Director General PASTIC attended the Technical Committee's Meeting on Computer Sciences on June 25th, 2014 at PSF, Islamabad.

Pakistan Science Foundation

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