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Pakistan Science Foundation

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PSF NEWS

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From the Chairman



"We should not teach children the sciences but give them a taste for them."

-Jean Jacques Rosseau

A basic distinction between traditional and modern societies is the development and use of science-based technology which helps modernization of agriculture and the development of industries. In a traditional society, production is based largely on empirical processes, experience, and trial and error, rather than on science; in a modern society, it is basically rooted in science. The

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44th Meeting of PSF Board of Trustees held at PSF



Chairman, PSF presiding over the 44th Meeting of PSF BOT

44th Meeting of PSF Board of the meeting. He presented achievements of PSF. The Trustees was held on and shared a brief initiatives taken by PSF were 18.11.2014 at PSF. Prof. Dr. performance report of the appreciated by all of the Khalil Ahmed Ibupoto, Research and Science members of the Board. They Chairman PSF presided over Promotion activities and

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Z.A. Hashmi Gold Medal Awarded to Highly Productive PIs of PSF Research Funded Projects

PSF in 2006 instituted "Dr. Z. its Founder Chairman, Dr. competition basis to the A. Hashmi R&D Gold Z.A. Hashmi (Late), to be Principal Investigators of Medal" in the recognition of awarded each year on PSF funded research projects conducted during previous 10 years. Dr. Z.A. Hashmi R&D Gold Medals for the years 2011 and 2012 were awarded to Prof. Dr. Anwar-ul-Hassan Gilani, Director of Drug Discovery and Natural Products Research Division, Agha Khan University, Karachi and Prof. Dr. Asghari Maqsood, Department of Physics, Air University, Islamabad for PSF funded projects implemented during



Dr. Anwar-ul-Hasan Gilani receiving Z.A. Hashmi Award from Federal Minister for S&T Mr. Zahid Hamid

The theme of World Science Day for Peace and Development 2014 highlighted at PSF



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Winners of PSF 23rd Inter Board Essay & Poster Competitions awarded with medals



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PMNH Organizes 3 Days Training Workshop on Gemology and Computer Aided Jewelry



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Federal Minister for S&T Visited PASTIC National Centre



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From the Chairman

close interlocking and interdependence between science and technology is a characteristic of the contemporary world. For the process of development and transformation; the role of science is of the utmost importance.

Science education must become an integral part of school education; and ultimately some study of science should become a part of all courses in the humanities and social sciences at the university stage, even as the teaching of science can be enriched by the inclusion of some elements of the humanities and social sciences. The quality of science teaching has also to be raised considerably so as to achieve its proper objectives and purposes as to promote deep understanding of basic principles, to develop problem-solving, analytical skills and the ability to apply them to the problems of the material environment and social living, and also to promote the spirit of inquiry and experimentation.

PSF, in collaboration with UNESCO celebrated World Science Day for Peace and Development having the theme promoting Quality Science Education, which is a key factor for sustainability of our future. Quality Science Education is essential for sustainable development and capacity building of our young generation. It is the need of hour to learn the ways to cope with environmental, societal and economic problems. This all will be possible, if we allow influential changes in our education system.

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lauded the efforts of PSF for creating science culture in the society by providing research fellowships and grants and through its science

popularization programmes. This meeting was arranged specifically to discuss the issues related to budget as PSF is facing paucity of funds for its statutory functions. All

the members unanimously agreed upon the fact that budget for PSF's statutory functions should be increased and serious efforts should be made for the purpose.



Dr. Asghari Maqsood, receiving Z.A. Hashmi Award from Federal Minister for S&T Mr. Zahid Hamid

From page 1

July 2001-June 2011 and July 2002 to June 2012 respectively. After a critical examination of the merit by various committees depending upon the

maximum output, quantifiable scientific contribution and productivity of PSF supported projects they were awarded Dr. Z. A. Hashmi Gold Medal alongwith Certificate of industrialization.

Recognition and Cash award of Rs.100,000/- in a graceful ceremony on the occasion of "World Science Day for Peace and Development on Nov, 10 at PSF. Dr. Gilani regarding PSF projects conducted 03 projects and got 25 International publications, produced 3 MPhil and 6 PhD students. While, Dr. Asghari conducted 2 projects and got 19 International and 01 National publications, produced 6 Mphil students. Both the PI's contributed significantly in national economy and industrialization.

"Quality Science Education, Securing a Sustainable Future for All" **The theme of World Science Day for Peace and Development 2014 highlighted at PSF**



(L to R) Dr. H.U. Khan, CSO, PSF, Prof. Dr. Khalil Ahmed Ibupoto, Chairman PSF, Federal Minister for S&T Mr. Zahid Hamid. Ms. Beverly Jones, UNESCO and Dr. Rai Niaz Ahmed VC, AAUR during the inaugural session of WSDPD-2014

United Nations Educational, Scientific and Cultural Organization (UNESCO) proclaimed proposal was floated by November 10 each year as Eminent Pakistani Scientist Dr. Ishfaq Ahmad, N.I., H.I., during the General Peace and Development S.I. Since 2002, PSF in Conference at its 31st session (WSDPD)". Initially the collaboration with other

Quote of the Month

Scientists have become the bearers of the torch of discovery in our quest for knowledge.

-Stephen Hawking

organizations like UNESCO, Intel, and Federal Directorate of Education is organizing various activities for students and scientists to commemorate the day like Convention of Scientists, Science Caravan Exhibitions, Panel Discussions on TV and Prize Distribution to the winners of PSF Annual Inter Board Science Essay and Poster Competitions etc. The theme selected by UNESCO for this year was “Quality Science Education: Securing a sustainable future for all” In this connection, World Science Day for Peace & Development (WSDPD) was celebrated on 10th November, 2014 in Pakistan Science Foundation (PSF) like it happens in the world on November 10 every year. PSF arranged immaculate festivities at this occasion. Federal Minister for Science & Technology Mr. Zahid Hamid, Ms. Beverly Jones, Representative UNESCO, Dr. Rai Niaz Ahmed, Vice Chancellor Arid Agriculture University Rawalpindi, and renowned scientist Dr. Ashfaq Ahmed participated in the event along-with

several other dignitaries.



Federal Minister for Science & Technology, while talking to the audience designated this day very special and considered science & technology pivotal for international peace and development. He added that the present government under the dynamic leadership of Honorable Prime Minister Mian Muhammad Nawaz Sharif is well aware of the importance of scientific education in the country and this is the reason that present government has given special emphasis over S&T education in Vision 2025 and initiating projects worth billions of rupees which would prove instrumental for our national development. The federal minister also lauded the efforts of the Chairman, PSF Dr. Khalil Ahmed Ibupoto for the

special arrangements to celebrations of WSDPD. He said, “Today's event the “World Science Day for Peace and Development” is a very right step to convey a positive message from the scientists to the masses that the science has played a pivotal role in achieving peace and progress in the world.



The Chairman, PSF Dr. Khalil Ahmed Ibupoto expressed that the whole world is celebrating November 10 as WSDPD. Pakistanis' gathering at this occasion is not only encouraging; instead it's a guarantee to our prosperous future. This year's theme “Quality Science Education: for our bright future” also reflects that the today's issues can only be resolved through effective utilization of scientific knowledge. He

further said, we have to develop that understanding between the organizations for taking right steps for developing a scientific culture among the young minds. He also congratulated the winner students and scientists for receiving medals on their fabulous performance.



Ms. Beverly Jones, Representative, UNESCO also shared UNESCO's objective to inculcate the need and importance of science in every human being. We are further focusing to bring men and women at par to make women a precious asset of today's world. UNESCO has the vision of science education as promoting the economic, social and cultural development of nations and fostering the prospects for peace and a sustainable



Federal Minister for S&T Mr. Zahid Hamid along with Chairman, PSF Dr. Khalil Ahmed Ibupoto and other guests visiting the projects and posters made by students

future, she said.



Dr. Rai Niaz Ahmed, Vice Chancellor PMAS Arid Agriculture University Rawalpindi highlighted the

agricultural potential of the country and said that Scientific & Technical endeavors are essential components of a country's development efforts which is primarily governed by the public awareness of the need to expand scientific knowledge and acquire technical skills.

Dr. Ashfaq Ahmed, N.I., H.I., S.I., a renowned scientists and Founder of World Science Day threw light over



history of WSDPD celebrations and his efforts for declaration of this day. He applauded the continued

interest of PSF and the way they have sustained their interest in this day.

On the occasion, students from different schools of Islamabad also displayed their projects. Federal Minister and Chairman, PSF along with distinguished guests also visited their projects and appreciated their efforts. Furthermore, students also made colorful posters to highlight the importance of the day.

Special Talk on “Teaching Farmers the Science of Sustainable Irrigation” on the occasion of WSDPD-2014



Dr. Hassan Abbas, UNESCO Chair on Water at COMSATS delivering his talk

Dr. Hassan Abbas, UNESCO Chair on Water at COMSATS Institute of Information Technology, Wah Campus gave presentation on Teaching Farmers the Science of Sustainable Irrigation at occasion of WSDPD on November 10. During his talk he said that agriculture is still the world's most widespread occupation. It accounts for 70% of humanity's water consumption. Current dilemma in water management is that we need still more water in irrigation sector to feed the increasing population on the planet whereas water resources around the world have already been exploited to

their limits. The question arises how we can produce more food without diverting more water into the agriculture sector, let alone reverse the ongoing environmental impacts due to over exploitation of water resources?

Based on this concept, he told

that scientists at COMSATS Wah Campus devised an irrigation methodology and developed an irrigation system which eliminates deep drainage and significantly cuts down evaporation. A prototype of the system, nicknamed ZiZAK, was installed in an

open field. ZiZAK has surpassed the water productivity of the best irrigation systems in vogue by about three folds, and holds a huge promise for minimizing the requirements of water in the agriculture sector. This talk was highly appreciated by the audience.

Winners of PSF 23rd Inter Board Essay & Poster Competitions awarded with medals

Students from all over the country, Khairpur, Karachi, Bahawalpur, Rajanpur, Hyderabad, Sukkur, Mansehra and Gujranwala were awarded medals, cash prizes and certificates in a graceful ceremony on the

occasion of WSDPD on November 10. Organizing Science Essay & Poster Competitions is a regular and very successful activity of the Foundation. PSF in collaboration with all Boards of Intermediate and

Secondary Education (BISE) of the country organized 23rd Competition of the series in which thousands of students have participated from all over the country. In the first phase the Boards of



Federal Minister for S&T Mr. Zahid Hamid and Chairman PSF Dr. Khalil Ahmed Ibupoto distributing certificates and medals among winners of 23rd Annual Competitions

Intermediate & Secondary Education arranged Science Intra Board level to the Essay and Poster Competition within their jurisdiction on the theme approved by PSF and

Head Office, Islamabad and announced best three Urdu, English and Sindi language and Poster competition on the theme "Living with Solar Energy" Essay competition on the

"From Effectiveness to Greatness" catches attention of the scientists

PSF arranges series of November at PSF Auditorium. The lecture was mandatory functions, where meant for motivating PSF eminent scientists and Officers towards conducive educationists express working conditions for better themselves for the benefit of output of their capabilities. During the lecture, Dr. Siraj comprising scientists, gave valuable tips and shared scholars, students and some experiences about the general public. Dr. Awais e Siraj, Managing Director, sustainability and greatness. Genzee Solution Pvt. Ltd, He emphasized that which is a capacity building and management consulting everybody should have firm believe on his self and his company based on Stephen capabilities. Mr. Haider Covey's, the 8th Habit Zaman Khattak, Secretary, delivered a lecture titled PSF, Dr. H.U. Khan, CSO, "From Effectiveness to PSF and Mr. Sahib Raza Gretaness" on 20th Husnain Kharal, Secretary,



Dr. Awais-e-Siraj M.D. Genzee Solution interacting with the audience during his lecture PCSIR were also present on contents and scientific the occasion. In the lecture, skills for the capacity large number of students and building and their study teachers from Chanab should be research based College, Islamabad and PSF which can make officers/officials also contribution towards S&T progress in our country. Dr. H. U. Khan, CSO, PSF At the end, Mr. Sahib Raza Husnain Kharal, Secretary, PCSIR presented shield to appreciated by students and Dr. Awais e Siraj and he also teachers. During his handed over set of Urdu lecture, he said that Science Encyclopedia to the students at their schools & Principal of Chanab College, colleges must learn science Islamabad.



Dr. Awais-e-Siraj M.D. Genzee Solution receiving Shield from Mr. Sahib Raza Husnain Kharal, Secretary PCSIR, Secretary PSF Mr. Haider Zaman Khattak and PSF Senior Scientific officer are also present



Dr. H.U. Khan, CSO, PSF delivering his speech

PSF collaborated for Intel Provincial Science Fairs at Islamabad and Peshawar

Intel Education Initiative, from all over Capital and Pakistan in collaboration with PSF organizes Intel Science Fairs (ISF) at Provincial, National and International level. This year Intel organized Provincial Science Fair Punjab at Lahore, Quetta, Islamabad and Peshawar. In Lahore and Quetta fairs were held in October, 2014. In this series, Provincial Fair at Islamabad was held on 11-13th Nov, 2014 at Pak Turk International School and College. In this fair students



Dr. Naushaba Att, PSO, PSF receiving appreciation award from Mr. Mian Ijaz, Additional Secretary MoST during closing ceremony of Intel Science Fair at Islamabad. In Peshawar, Intel Provincial Science Fair was held at Muhammad Ishaq Principal AUPS&C (Boys) Peshawar from 24th to 26th November, 2014. Ms. Khadija Bashir, Project Unit and PASTIC officials cooperated full time in the arrangements of Provincial Science Fairs and provision of judges for the competitions with the Intel team. On 25th November, 2014 the panels of judges evaluated the projects. The Closing ceremony was held on 26th, November, 2014 at



A group photo of Intel Science Fair winners along with PSF Science Caravan KPK Unit and Intel Team at Peshawar

Chairman PSF Inaugurated 27th Annual Science Innovation Exhibition at NMST, Lahore

Prof. Dr. Khalil Ahmed Ibupoto, Chairman, PSF inaugurated 27th Annual Science Exhibition and Competitions at National Museum of Science and Technology (NMST), Lahore on 26th Nov, 2014. NMST is an Educational Organization working under School Education Department, Government of Punjab, Lahore. The purpose of this Exhibition is to promote scientific aptitude among students and to enhance scientific culture at secondary level. The

students from all over the Punjab were participating in this exhibition with their Innovative Models on the activities organized by scientific themes. At this occasion the Director arranged w.e.f. 26-28 November. She told that these competitions are arranged annually to promote co-curricular



Prof. Dr. Khalil Ahmed Ibupoto, Chairman, PSF inaugurating and visiting science exhibition at NMST, Lahore

activities in the field of science, these competitions consist of Science Quiz, Essays on scientific themes and Innovative Models on scientific themes. Chairman PSF visited the Exhibition with Director NMST. Dr. Naushaba Nadeem PSO, PSF, Ms. Saima Riaz and Ms. Fatima from NMST also accompanied them. Dr. Khalil asked some questions about the Models and appreciated the efforts of young scientists and their teachers. Director NMST. Ms Najma Liaqat with her team also invited Dr. Khalil to visit the different galleries of the Museum and briefed about the exhibits. Chairman PSF appreciated the NMST team specially for designing the coal and salt mines, and also offered cooperation for collaboration to arrange different activities.

PSF & CLC Plan to collaborate for Science promotion.

Chairman PSF, Dr. Khalil Ahmed & Director Children Library Complex, Dr. Amna Imam decided to collaborate in various activities at grassroots level to develop scientific attitude among children and community. Dr. Amna, Director CLC met Chairman PSF at his office and latter Prof. Khalil Ahmad Ibupoto also visited CLC at Lahore on 26th November to discuss the windows for cooperation. The draft for MoU already under process was discussed and it was also mutually agreed that activities may be continued during



Prof. Dr. Khalil Ahmed, Chairman PSF is being briefed at CLC, Lahore

finalization of MoU as both organizations are popular science organizations. It was decided to arrange popular science lectures during the activities arranged

by CLC. It was also decided to arrange Planetarium shows during activities and educational videos with both organizations may also be shared. Director CLC also desired to plan some activity jointly about the ethical aspect of science to address cruelty in the society. Both organizations mutually agreed to collaborate on Earth Day & Environment Day activities and Teachers' Training in the field of IBSE. Chairman PSF also visited all sections of CLC, and appreciated the services provided by CLC for welfare of community.

Candidates Interviewed for Various Posts under Aghaz-e-Haqooq-e-Balochistan Package

Prof. Dr. Khalil Ahmed Ibupoto, Chairman PSF chaired a meeting of PSF Departmental Selection Interview Committee on 14.11.2014 at Quetta. Mr. Haider Zaman Khattak, Secretary, PSF/Member and Ms. Madiha Rafique, Assistant Director (G&IT)/Member/Secretary to Interview Committee were also present. The Committee selected four candidates against the vacant posts of Science Assistant (BS-14), Planetarium Assistant (BS-11) and Caravan Attendant (BS-1) for employment in PSF Science Caravan Unit at Jaffarabad, Balochistan and NSLP-PSF under Aghaz-e-Haqooq-e-Balochistan Package.

PSF Science Caravans celebrated World Science Day

Science Caravan units highlighted World Science Day in different areas of the country.

Sindh

Sukkur unit organized speech competitions on World Science Day "Quality Science Education" on dated 12.11.2014. Above 150 students and teachers of 03 schools participated in this program. In the end prizes were distributed among winner students and Urdu Science Encyclopedia, DVD, posters, brochures and book sets were presented to Muhammad Ismail Khoso Principal Govt. (B) HS School Jaffarabad Muhalla and Muneer Ahmed Khoso, Head Master Govt. (B) Hameedia High School



Glimpse of Walk arranged by Tandojam Unit on the occasion of World Science Day



View of Science Exhibition arranged by Punjab Unit on the occasion of World Science Day

Jacobabad. They appreciated this activity by PSF in rural areas.

Science Caravan Tando Jam Unit also celebrated World Science Day at Govt. Boys High School Kunri District Umerkot during their Science Exhibition and organized science promotion activities, in which large number of students and teachers participated.

Punjab Science Caravan (Punjab Unit) also marked the World Science Day (WSD) by organizing a special event on November 11, 2014 at Govt. Pilot High School, Multan and elaborating this year's theme as declared by UNESCO "World Science Day for Peace and Development – Towards Quality Science education". In which 415 students and teachers participated.

Balochistan

Science Caravan Balochistan Unit Quetta arranged Science awareness programme on "World Science Day for Peace and Development" on 10th November 2014, at Iqra Residential School & College, Quetta. Mr. Maqbool Ahmad (Assistant Director) has highlighted the importance, history and purpose of celebrating World Science Day and that how we can use the knowledge and inventions of Science for Peace and Development of our country. He also delivered a detailed lecture on "Quality Science Education" 125 students and teachers participated in



A Special Lecture arranged by Quetta Unit on the occasion of World Science Day



The Theme of World Science Day Highlighted by Jaffarabad Unit

world science day. At the end lecture. 185 teachers and Mr. Maqbool Ahmad presented Scientific literature i.e. Urdu Science Caravan KPK Unit arranged Walk and Science Exhibition on the occasion.

Encyclopedia, scientific booklets on different topics, Disaster master kit with DVD and Scientific posters to the Vice Principal Iqra Residential School & College Quetta. The Vice Principal and Science teachers appreciated the activity.

Science Caravan Jaffarabad Unit organized a lecture to highlight the importance of the theme for World Science Day on 14.11.2014 at Govt. Middle School, Hub. Mr. Abdul Khalique, Unit Incharge delivered the this event.



Walk arranged by KPK Unit to highlight the importance of World Science Day

Breif of Science Caravan exhibitions

Federal

Science Caravan Federal Unit arranged Planetarium Show at Institute of Space Technology, Islamabad on 6-8 Nov, 2014 on the occasion of World Space week. In which more than 1800 students from 15 schools, colleges and universities participated.

Punjab

Science Caravan Exhibition was arranged at Government Pilot High School and Government Girls High School No. 1 Multan w.e.f. 10-20 Nov, 2014, in which 4300 students alongwith 120 teachers participated.

Planetarium show was arranged at Children Library Complex, Lahore on 20-22 Nov, 2014. More than 50 teachers and 1700 students visited this Show. Another Science Exhibition was arranged in Government Girls Higher Secondary School Bhowana. More than 50 teachers and 11,00 students visited this exhibition. Planetarium Show was arranged in NMST Lahore w.e.f. 26-28 Nov, 2014. More Than 60 teachers and 29, 00 students visited this Show.

KPK

Science Caravan Exhibitions

were held at New Islamic Cadet School & College, GHS- Barbar OPazi Peshawar and GHS- Khair Abad Mardan from 06.11.2014 to 08.11.2014 and 10.11.2014 to 13.11.2014 and 17.11.2014 to 28.11.2014 respectively. During these exhibitions some 3405 students and 111 teachers 27 schools participated and gadgets were handed over 07 schools.

Sindh

Science Caravan Tando Jam arranged science exhibition at Govt Boys/Girls Higher Secondary School Kunri District Umerkot w.e.f. 10-

11-2014 to 25-11-2014. About 3698 students, 87 Teachers and 18 schools visited the science caravan exhibition.

Science Caravan Sukkur Unit arranged Science Caravan exhibition at Govt. (Boys) Hameedia High School Jacobabad and Govt. (Girls) High School Jacobabad for the schools of taluka / District Jacobabad from 6-26 Nov, 2014. Mr. Muneer Ahmed Khoso, Head Master Govt. (B) Hameedia High School inaugurated the science exhibition. Above 3850 students, teachers and other staff of 22 schools visited the science exhibition.

Balochistan

Science Caravan Jaffarbad Unit arranged Science Caravan exhibition at Govt. middle School Akram Colony Hub 6-23 Nov, 2014. In which, 6470 students, teachers and other staff of 14 schools participated. D.D.O Hub and Incharge of the Unit Mr. .Abdul Khalique distributed UNESCO Disaster Master Kits and Urdu Science Encyclopedia to the Principals of the

Important Meetings/Events attended;

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

- ⇒ Attended Closing Ceremony of 1st International Conference on Neuro Rehabilitation at Isra University, Islamabad on Nov, 02.
- ⇒ Attended meeting of the organizing committee in connection with "Holding of COMSTECH General Assembly Summit" at MoST on Nov, 05.
- ⇒ Meeting with Dr. Amna Imam, Project Director, Children Library Complex, Lahore on Nov, 12.
- ⇒ Meeting on establishment of CIIT Technology Park at Islamabad at CIIT, Islamabad on Nov, 21.
- ⇒ Attended Meeting at NARC on Nov, 24.
- ⇒ Presentation by Dr. Raja Razi, Additional Director, PASTIC in PSF Committee Room regarding " Mutual Cooperation between PSF & NRF, Korea" Nov, 28.

Pakistan Museum of Natural History (PMNH)

Editor: Dr. Saleem Ahmad, Director, PSD

PMNH Organizes 3 Days Training Workshop on Gemology and Computer Aided Jewelry

Pakistan Museum of Natural History organized a 3 days' Training Workshop on Gemology and Computer Aided Jewelry at PMNH in collaboration with Jewellers Association, Rawalpindi, Pakistan Gems & Jewelry Development Company (PGJDC) and University of Haripur, Hazara (UoH) w.e.f. 17-19 Nov, 2014. PMNH has been jointly organizing training workshops on gemstones in collaboration with the private sector since the last two years for highlighting the importance of precious stones commonly found in our country and enhancing awareness of common people about the commercial potential of our gemstones. Inaugural Ceremony of 3 Days Training Workshop was held on 17th Nov at Pakistan Museum of Natural History

(PMNH), Garden Avenue, Shakarparian, Islamabad. Dr. Khalil Ahmed Ibupoto, Chairman, Pakistan Science Foundation (PSF) also graced the occasion as a chief guest. He highlighted the role of PSF and said that PSF is the premier organization, working for the promotion of scientific and technological research by providing financial and technical support on individual and institutional level. Moreover, he appreciated the joint efforts of PMNH and participating organizations and hope that this coordination will continue in future and PSF will continue to supervise all activities and collaborations for research and education. Dr. Muhammad Khan Leghari, Director General, PMNH elaborate the functions and efforts of PMNH for research on flora & Fauna, Rocks, Fossils and Minerals and their display for purpose of education as a part of PMNH mandate. He said that this 3 Days training workshop organized jointly with private sector, will enrich the minds of our youth and they could get advantages from the experience of industry professionals. Moreover, he said that PMNH will continue these efforts in the form educational activities, Seminars, Symposiums, Training Workshops to explore more vital opportunities with private sector for education and research.

Mr. Syed Ilyas Ali Shah, Resource Person from Pakistan Gems & Jewelry Development Company (PGJDC), Khyber Pakhtoon Khawa, said "Pakistan has undoubtedly been blessed with tremendous opportunities. Our human resources is hard working, willing to virtually enterprising. Facilitating this great pool of potential enterprising community will trigger economic



(Left to Right) Dr. M.K.Leghari, D.G, PMNH, Syed Ilyas Ali Shah, PGJDC, Dr. Khalil Ahmed Ibupoto, Chairman PSF, Dr. Zahoor Ahmed, Director, ORIC, UoH, and Dr. Nayyer Iqbal, Director, ESD, PMNH during the inaugural session of 3 Days training workshop.

development in the country. public and private organizations and participants of the workshop. This workshop will promote the culture of collaboration between public and private sectors". Dr. Zahoor Ahmed, Director, Office of Renovation, Innovation and Commercialization (ORIC) from the University of Haripur, in his introductory remarks about the workshop, stress upon the joint venture among the public and private sector for the promotion of science & education which could leads the country towards the progressive path. He said that office of Renovation, Innovation and searching the possibilities for the betterment of research and education along with the private sector to make educational output more fruitful and effective in the development of the country. Dr. Nayyer Iqbal, Director, Earth Sciences Division, thanked the guest of honour, chief guest, delegates from



Syed Ilyas Ali Shah delivering Lecture about Diamond Grading and Pricing on the 2nd day of the training workshop.



Prof. Dr. Khalil Ahmed Ibupoto, Chairman PSF, presenting shields to (Left to Right) Mr. Abdul Qudoos, President, Jewellers Association, Rawalpindi; Mr. Fayyaz Qureshi, Executive Member, RCCI; Dr. Zahoor Ahmed, Director ORIC, UOH; Mr. Uzair Junaid, Resource Person from Jewellers Association, Rawalpindi; Mr. Syed Ilyas Ali Shah, PGJDC, Peshawar, and Mr. Sheikh M. Akbar.

He described the different methods to evaluate the diamond quality. Syed Ilyas Ali Shah, resource person from PGJDC, completed his lecture about "Diamond Grading and Pricing". He demonstrated different methods of diamond pricing and synthetic Diamond creation

processes by different people through the passage of time. A practical was also included in the session. He briefed the participants about the mode of formation, occurrence and nature of gemstones according to their origin in the Gemstone Gallery of PMNH. In the group discussion participating members from gemstones sectors, Jewelers Association, RCCI, officials from University of Haripur and Industry professional emphasized the promotion of collaboration between public and private sectors not only for the progress of the country but also for the awareness of the people. At the end of the workshop a closing ceremony was held for the distribution of certificates and shields among the participants and resource persons from the

Dr. Nayyer Iqbal Retires as Director, ESD, PMNH

A farewell party has held in PMNH on 27th November to bid farewell to two retiring officers of PMNH, namely Dr. Nayyer Iqbal, Director (BS-20), Earth Sciences Division and Mr. Naseem Ahmed Khan (BS-18), Senior Taxidermist, Zoological Sciences Division. Prof. Dr. Dr. Khalil Ahmed Ibupoto, Chairman PSF, was the chief guest at the occasion. The speakers paid rich tributes to the services of the both officers. The chief guest presented gifts and bouquets to the retiring officers. Dr.



Dr. Khalil Ahmed Ibupoto, Chairman PSF, presenting bouquets to Dr. Nayyer Iqbal and Mr. Naseem Ahmed Khan respectively.

Nayyer Iqbal retired from his services as a Director Earth Science Division (BS-20), Pakistan Museum of Natural History on 30th November. He joined PMNH as Research Associate (BS-17) in Earth Sciences Division on 24th

as well as outside PMNH. He had played an important role in the development of the Rock Garden of PMNH. His retirement has created a vacuum in the Earth Sciences Division that will be difficult to fill.

Mr. Naseem Ahmed Khan joined the Zoological Sciences Division, PMNH in 1981 and retired on 9th November, 2014. He carried out taxidermy of hundreds of zoological specimens of all sizes. He played an important role in the development of the dioramas of the Display

Pakistan Scientific & Technological Information Centre (PASTIC)

Editor: Mrs. Rahila Khurram

Federal Minister for S&T Visited PASTIC National Centre

Mr. Zahid Hamid Khan, MoST, Mr. Khalid Siddique, Federal Minister for Science & Technology visited PASTIC on November 19, 2014. He was accompanied with Mr. Kamran Ali Qureshi, Federal Secretary

Document Supply Section, Technology Information Section and Bibliographic Information Section. He was acquainted with the activities and services of PASTIC Library, IT Section, Reprography Section, After the visit of sections a



Federal Minister during his visit to Reprography section



Federal Minister, Science & Technology in the meeting with Senior Officers of PASTIC and PSF

meeting was held in the activities of PASTIC. Federal committee room of PASTIC Minister took keen interest in where Dr. Muhammad modernizing the services of Akram Shaikh, Director PASTIC in view of the General, PASTIC, gave a importance of the role of brief presentation on various information that its plays in

the research and accordance with the modern development process. He needs and improvement of guided and motivated for services thereof. He assured development and his cooperation for all the strengthening of information efforts to be put forth in this resources of PASTIC in regard.

Students and Faculty Members of Sindh Agriculture University, Tandojam Visit PASTIC



Mr. Muhammad Aqil Khan, Additional Director (STI) delivering a presentation on PASTIC Services

A group of 40 students along presentation on PASTIC with two faculty members activities and demonstration from Sindh Agriculture on on-line information University (SAU), Tandojam services and databases. Mr. visited PASTIC on November Saifullah Azim, Sr. System 12, 2014. Mr. Muhammad Analyst also delivered a Aqil Khan, Additional lecture on Advance Web Director (STI), delivered Searching Techniques.

PASTIC Officer attended Training Course at Korea

Dr. Raja Razi-ul-Husnain, Additional Director (A&F) attended a two week course entitled "Country Focus Training Program: Policy Making and Implementation for Science and Technology (Pakistan)" from October 19 to November 1, 2014 at Seoul, Korea under the technical assistance programme of Korean International Cooperation Agency (KOICA). He also gave presentation on 28th November to PSF Officers regarding his training and discussed possible mutual collaboration of PSF with the organizing country.

Meetings/Workshops/Trainings Attended:

Dr. Muhammad Akram Shaikh, Director General, PASTIC attended National Curriculum Revision Committee Preliminary Meeting on Computer Engineering at HEC Regional Centre, Lahore from November 10-12, 2014.

PASTIC Information Services at Doorsteps of Universities /Institutions:

PASTIC regularly organizes Centre Faisalabad organized its services stalls at second services stall at universities and R&D Faculty of Agriculture, institutions to bring its University of Agriculture, services at the doorsteps of Faisalabad on November 13, researchers. During this 2014.

month PASTIC services iii. The PASTIC Sub-stalls were arranged at Centre Faisalabad organized following places in third services stall at Faculty of Science, University of Agriculture, Faisalabad on

Faisalabad i. PASTIC services stall November 27, 2014.

was organized at Faculty of **Lahore**

Animal Husbandry, The PASTIC Sub-Centre University of Agriculture, Lahore organized two days Faisalabad on November 12, PASTIC services stall at 2014 by PASTIC Sub-Centre University of Punjab, Faisalabad, This activity was Lahore from November specially organized for 20-21, 2014 in connection celebrating World Science with celebrating World Day for Peace and Science Day for Peace and Development. 63 Development. Several

Researchers, Senior Faculty researchers, students and Members visited the stall and faculty members viz. Prof. requested for literature Dr. Amer Ijaz, Chairman, search according to their Chemical Engineering research topics/projects. Department, Assistant Later on specific data Professor Dr. Shakeel relevant to all the requests Ahmed, Deputy Director, was sent to the researchers ORIC (IAGS) Department through email. Prof. Dr. of Agricultural Sciences Muhammad Sarwar, Dean, visited the PASTIC stall Faculty of Animal for knowing about the Husbandry along with Senior PASTIC Services. They Faculty Members visited the emphasized on the need of PASTIC Stall and arranging such stalls in appreciated PASTIC services future for the awareness of rendered to researchers. the students and faculty

ii. The PASTIC Sub- members.

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