

Conference Cum Expo on Higher Education in Science and Technology for Socio-Economic Development Held at PCSIR Labs. Complex, Lahore

Two days conference was organized by MoST and PCSIR under the directives of Senate Standing Committee on Science and Technology, which was held from February 11-12, 2019 at PCSIR Laboratories

Complex, Lahore. The conference aim was to bring together leading academia, R&D organizations and industries to share their experiences and bridging gap to build up quality education in Science and Technology

and to develop linkages to support innovation based entrepreneurship for socio economic development in the country.

Continued on Page 11....



Senator Mushtaq Ahmed, Chairman Senate Standing Committee on Science & Technology addressing the audience as Chief Guest in the Inauguration Session of the Conference cum Expo, 2019



Ms. Yasmeen Masood, Federal Secretary, Ministry of Science & Technology, addressing the audience

Dr. Shahzad Alam, Chairman PCSIR Decorated with Tamgha-e-Imtiaz (T.I.)

PCSIR is immensely proud that Dr. Shahzad Alam, Chairman PCSIR has been decorated with Tamgha-e-Imtiaz in recognition of his outstanding performance and achievements in the field of Metallurgy & Material Engineering.

The ceremony was held at Governor House, Lahore on 23rd March 2019. Honourable Governor Punjab, Chaudhry Muhammad Sarwar conferred Tamgha-e-Imtiaz to Dr. Shahzad Alam, Chairman, PCSIR.



Dr. Shahzad Alam, Chairman PCSIR shaking hands with Honourable Governor Punjab, Chaudhry Muhammad Sarwar after being decorated with Tamgha-e-Imtiaz at Governor House, Lahore on 23rd March 2019



1st International Conference on “Sustainable Mineral Resources Development & Utilization” Held at PCSIR Laboratories Complex, Karachi

PCSIR Laboratories Complex, Karachi (KLC) in collaboration with Mehran University of Engineering & Technology (MUET), Jamshoro and the University of Manchester, UK organized 1st International Conference on “Sustainable Mineral Resources Development & Utilization (SMRDU’19)” from 12th-13th February 2019. The conference covered wide range of topics in the area of mineral resources and their utilization. Provincial Minister for Mineral Development, Government of Sindh, Mr. Shabbir Ali Bijarani was the Chief Guest in the Inaugural Session of the Conference. In his speech, he emphasized the need for adopting modern techniques for exploration and utilization

of minerals resources of Pakistan.

The Provincial Minister appreciated the role of PCSIR Laboratories Complex Karachi and Mehran University of Engineering and Technology Jamshoro for organizing this international conference on such an important issue.

Dr. Mehfooz Soomro, from the Western Sydney University (WSU), Australia also emphasized the need of effective utilization of coal reserves and geo polymer of Nangarparkar of Tharparkar district and adding that the geo polymer is being utilized in construction works including airport in European countries. In the concluding

meeting he showed keen interest in the research work done by the Scientists of Applied Chemistry Research Centre, PCSIR Laboratories Karachi for evaluation of China Clay deposits of Tharparkar, Pakistan.

Engr. Razia Begum in her welcome note briefed the participants about the role of PCSIR in the field of sustainable mineral utilization. Mr. Muhammad Aleem Ahmed, Director General PCSIR Laboratories Karachi, Prof. Dr. Muhammad Aslam Uqaili, Vice Chancellor of Mehran University of Engineering and Technology and Dr. Sarfraz Solangi, Pro-Vice Chancellor of Sindh University Thatta Campus also attended the inaugural session of the conference.



Group photo of the participants with the Chief Guest, Provincial Minister for Mineral Development, Government of Sindh



Mr. Muhammad Aleem Ahmed, DG KLC presenting memento shield to the Provincial Minister for Mineral Development, Mr. Shabbir Ali Bijarani

One Day Seminar on “Making Honey Business More Productive” at PCSIR Laboratories Complex, Peshawar

One day seminar on “Making Honey Business More Productive” was organized on March 27, 2019 at PCSIR Laboratories Complex Peshawar, in collaboration with Trade Development Authority of Pakistan (TDAP) and All Pakistan Bee Keepers, Traders and Exporters Association. The

main theme of the seminar was to:-

- Provide opportunities and awareness of threats to honey business in Pakistan.
- Disseminate the quality control practices of honey.
- Assess current and potential position of Pakistan honey exports.



Media Talk



Dr. Shahzad Alam, Chairman PCSIR and Engr. Irfan Ahmad Rabbani, D.G., PCSIR Labs. Complex, Peshawar addressing the audience



PCSIR Laboratories Complex, Karachi Organized One Day Training Course on "Food Safety & Regulatory Requirements for Food Business Operators"

One day training on "Food Safety & Regulatory Requirements for Food Business Operators" was jointly organized by PCSIR Laboratories Complex, Karachi and National Alliance for Safe Food (NAFS) Pakistan. The basic theme of the training course was to ensure safe food production and consumption for the betterment of human society by training and educating manufacturers and consumers. A number of participants from local food business community, public sector organizations and

other stakeholders attended the training session.

ISO Training Conducted at KLC

A training session was conducted at KLC to give awareness to the Scientists about the transition of ISO 17025:2017. Mr Muhammad Azhar Naeem Kamboh (Lead Assessor PNAC) trained the scientists about the requirements of new standard and transition process.

Process Developed for Preparation of Sodium Tripolyphosphate (STPP) from Commercial Grade Chemical

A process has been developed in PCSIR Laboratories Complex, Peshawar for the preparation of Sodium Tripolyphosphate (STPP) from commercial grade chemical. At pilot plant scale, one batch of about 12 Kg STPP has been prepared using optimized conditions established at lab. scale. Characterization of STPP at pilot plant scale was carried out using FTIR, EDX and XRD techniques. Properties of the product are comparable to reported data in literature. Compilation of results and technical report writing is in progress. STPP is an industrially important chemical and widely used as a component for the production of synthetic detergents and in the production processes of petroleum, glass, ceramic, paint and varnish, metallurgical and chemical industries. It is also used in food industries as well.

PCSIR Laboratories Complex, Peshawar Developed a Process for Carbonated Sugar Cane Beverage

Carbonated beverages are very popular in people of every age. Due to the high demand of carbonated beverages, a need based project entitled "Development and Storage Stability of Carbonated Sugar Cane Juice" was started in February 2018 at PCSIR Laboratories Complex, Peshawar.

techniques. The clarified sugarcane juice was carbonated and packed for shelf life study of the product. The physico chemical analysis and sensory evaluation of the product showed that shelf life of carbonated sugar cane beverage is four months.

In this project sugarcane procured from local market was worked up. After proper cleaning sugar cane juice was extracted and then clarified by using different filtration

Project is completed and a process has been developed for the production of carbonated sugarcane beverage. Project completion report has been submitted while technical report writing is in progress.

PCSIR CM&FT Centre, Daska Secured Top Positions in Punjab Board of Technical Education

Three students of PCSIR-Cast Metals and Foundry Technology (CM&FT) Centre Daska have got distinguished positions (1st, 2nd & 3rd) in Punjab Board of Technical Education in final examination 2018.

New Dye and Methenamine Tablets Prepared for Textile and Leather Products

A process has been developed at PCSIR-Leather Research Centre, Karachi for the preparation of yellowish orange dye stuff used in leather and textile products. In this process, leather and textile products are dyed with various shades of colours to attract the buyers including men, women and children.

Another process was developed for the preparation of Methenamine tablets to be used in fire retardant test of textile and leather. The fire retardant chemicals are largely used in various industries especially textiles and leather.

Scientists of LRC have developed many shades of different colours and dye stuffs for various matrices like leather, textile, plastics, gasoline, pharmaceuticals etc. In this study, a dye synthesized by mixture of yellow and orange colours so, its shade is yellowish orange. This study is based on in-search of eco-friendly dyestuffs for leather and textile.

The product was prepared by reacting primary, secondary or tertiary amines with aqueous formaldehyde in a suitable proportion.

Methenamine is used in various pharmaceutical preparations as intermediate. Standardized Methenamine tablets are currently being used in the fire protection as a fire source to test the flammability behaviour.

Schlumberger Seeks Passed Out/ Final Year Students of PSTC, Karachi for Recruitment

The representatives of M/s. Schlumberger Oil & Gas Company (Pvt.) Ltd. visited PCSIR Pak Swiss Training Centre (PSTC), Karachi on 15th February, 2019 for conducting recruitment test to hire the passed out/final year's trainees for Jobs.

U.S. Consulate Member Visited PSTC-Karachi

The U.S. Consulate member visited at PCSIR Pak Swiss Training Centre, Karachi on 20th February, 2019. He appreciated the efforts & contribution of PSTC, Karachi in vocational training and was very keen to commence the short vocational courses in collaboration with PSTC, Karachi.

Student of CM&FT Centre Daska Won the Gold Medal

Student of PCSIR Cast Metals & Foundry Technology (CM&FT) Centre Daska awarded Gold Medal from Punjab Board

of Technical Education (PBTE), Lahore on achieving first position.

Beneficiation and Up-gradation of Lead Ore of Balochistan

Scientists of Mineral Technology Division PCSIR Laboratories, Quetta have developed a process for beneficiation of lead ore to metallurgical grade by gravity separation



Lead Ore of Khuzdar Balochistan

method using shaking table. In this process low grade lead ore was up-graded from 38.40% lead to lead content 60 % with weight recovery of 80.73%.



Lead Concentrate after beneficiation

Visit of Delegation from M/s. Serena Hotels, Islamabad to PCSIR Laboratories Complex, Peshawar

A delegation from Serena Hotels, Islamabad visited PCSIR Laboratories Complex, Peshawar on 16th January 2019 and held a meeting with Engr. Irfan Ahmed Rabbani, Director General, PCSIR Laboratories Complex, Peshawar and Scientists/ Technologists of Food Technology Centre (FTC) and Medicinal Botanic Centre (MBC). The main purpose of the visit of the delegation was to explore new avenues for possible collaboration between both the entities. It is pertinent to be mentioned that PCSIR Laboratories Complex, Peshawar is already collaborating with Serena Hotels, Islamabad in improving the skills of farmers of Gilgit Baltistan (GB) region in honey bee

farming by providing professional trainings, processing and quality assurance facilities.



Punjab Board of Technical Education Awarded Scholarships to Students of CM&FT Centre, Daska

Six students of PCSIR Cast Metals & Foundry Technology (CM& FT) Centre Daska received the Merit Scholarships from Punjab Board of Technical Education (PBTE), Lahore on their outstanding academic performance.

Academic Progress of PCSIR Institute of Industrial Electronics Engineering (IIEE), Karachi

Fall semester 2018-19 session has been completed on 30th March 2019. Four year Bachelor of Engineering programme in Industrial Electronics batch 26 is completed, whereas, other batches 27, 28, 29 and 30 are in progress. A ceremony was also arranged for distribution of Shoulder Bags (for books) to the 30th batch. Under-graduates feedback of fall semester 2018 was conducted (all semesters) and compiled by QEC of IIEE.

PCSIR Laboratories Complex, Karachi Signed MoU/ TORs with Sindh Food Authority

PCSIR Laboratories Complex Karachi has signed Memorandum of Understanding/ TORs with Sindh Food Authority (SFA). In this regard, PCSIR will facilitate Sindh Food Authority for testing of food samples conforming the specifications of Sindh Food Authority Regulations.

Farewell Party at Pak Swiss Training Centre, Karachi

To appreciate the contribution and services rendered by Mr. Rizwan Siddiqui, Chief Instructor, a farewell party was arranged in PCSIR Pak Swiss Training Centre, Karachi on 25th February, 2019. Mr. Syed Nadeem Gohar, Principal PSTC-Karachi chaired the Farewell party.

In this occasion, the Principal and senior staff members described their feelings about the services of Mr. Rizwan Siddiqui, the Chief Instructor, PSTC-Karachi.

Cambridge Advisors Network (CAN), Karachi Seeks Collaboration with PCSIR Laboratories, Hyderabad

Syed Azhar A Rizvi, Chief Executive Officer and Ms. Sarah Ashraf, Manager Programs of M/s Cambridge Advisors Network, Karachi visited PCSIR Laboratories Hyderabad on 27th March, 2019. During the visit, they showed keen interest in the solar devices developed at these Laboratories particularly

the Solar Dehydrator. They wanted to collaborate with PCSIR Labs. Hyderabad for the socio-economic uplift of farmers of Sindh province by providing them solar dehydration system for drying vegetables and fruits.



Officials of Cambridge Advisors Network (CAN) examining the solar devices developed at PCSIR Laboratories Hyderabad



Visitors Appreciated High-Tech R&D Facilities Available at PCSIR Laboratories Complex, Lahore

1. A group of engineers from Chashma Nuclear Power Plant Unit-2 (CHASNUPP-2) Main Control Room (MCR) Crew#01, Mianwali visited PCSIR Laboratories Complex, Lahore on 22nd January, 2019. This was a technical visit in order to enhance technical knowledge of their MCR engineers and to seek future collaboration in different activities. They were briefed about the activities and facilities of Pakistan Institute of Technology for Minerals and Advanced Engineering Materials (PITMAEM) regarding the testing /consultancy services provided to local industry. They appreciated high technical facilities available at PITMAEM.

2. Prof. Dr. M. Nasir Afzal, Vice Chancellor, University of Sahiwal visited to PCSIR Laboratories Complex, Lahore on 15th February 2019. A technical visit arranged in order to enhance future collaboration in different R&D activities regarding the student projects. He appreciated the existing facilities of PCSIR Labs. Complex, Lahore regarding the testing /consultancy services under one roof being provided to local industry.

3. Two groups of students from Institute of Space Technology (IST), Islamabad and National Fertilizer Corporation Institute of Engg. & Tech. (NFC-IET), Multan visited PCSIR Labs. Complex, Lahore in March 2019. These technical visits made to enhanced the future collaboration in different R&D activities regarding the testing facilities provided to students for completion of their projects and different internship training programs.

4. A group of engineers from CHASCENT, Mianwali plant visited PCSIR Laboratories, Lahore in March 2019. These visits made to enhanced the technical knowledge of their engineers/staff. They appreciated the existing facilities of PITMAEM regarding the testing/ consultancy services under one roof being provided to local industry and collaboration with academia and other R&D organizations.



Students from Institute of Space Technology, Islamabad visiting PCSIR Laboratories Complex, Lahore



Prof. Dr. M. Nasir Afzal, Vice Chancellor, University of Sahiwal visiting PCSIR Labs. Complex Lahore



Engineers from CHASCENT, Mianwali plant visiting PCSIR Labs. Complex Lahore



Students from NFC-IET, Multan visiting PCSIR Labs. Complex Lahore

PCSIR Labs. Complex, Peshawar Campaign for Strengthening Liaison with Industries

1. Scientists/Technologists of Food Technology Centre and Commercialization team of PCSIR Laboratories Complex, Peshawar visited Willy Food and Pan Asia (Pvt) Ltd. Hattar Industrial Estate Haripur on 2nd January 2019. They discussed the available testing facilities and consultancies in FTC, Peshawar Laboratories. They visited to share, highlight and create a strong liaison with industries regarding the testing facilities available in PCSIR.

January, 2019 for possible collaboration. They also visited various nurseries at Tarnab

farm for gathering information on availability of medicinal plants.



Scientists of Food Technology Centre (FTC) alongwith Commercialization Team of PCSIR Laboratories Complex, Peshawar on a visit to Hattar Industrial Estate



Focus Group Meetings Arranged at PCSIR Laboratories Complex, Lahore

1. A Focus group meeting was arranged with Mr. Muhammad Nawaz from M/s WTN (Pvt.) Ltd., Lahore on 26th March, 2019 at PCSIR Laboratories Complex, Lahore regarding the development of different intricate shaped small motor bike parts by powder metallurgy technique. Engr. Badaruddin Soomro, Junior Engineer, LLC discussed the problem in detail and also arranged a visit of Powder Metallurgy Laboratory.

2. Mr. Farhan Shahzad, Managing Director of M/s Surgivalley (Pvt.) Ltd., Sialkot visited PCSIR Laboratories Complex, Lahore on 27 March, 2019. Surgivalley is one of the major industries of Sialkot for production of surgical tools/instruments. The purpose of the visit was to discuss the development of different types of biocompatible coatings on surgical instruments for export enhancement. After detailed discussion, a visit of PVD coating centre was arranged.

3. A meeting was also conducted with group of technical members including Mr. Asad Ali, Technical Director, Mr. Shahid Zia, General Manager and Mr. Haji Nazeer, Head, Mechanical Section from M/s Premier Industrial Chemical Mfg. Co. (Pvt.) Ltd., Lahore on 28th March, 2019 regarding the development of Coal Water Slurry (CWS), fuel being utilized as an alternative energy



Officials of M/s Premier Industrial Chemical Mfg. Co. (Pvt.) Ltd., Lahore visiting Coal Water Slurry Plant, Lahore Laboratories

source in different industrial sectors. Technical aspects of CWS fuel were discussed in detail and a visit of plant was arranged. Pakistan Institute of Technology for Minerals and Advanced Engineering Materials (PITMAEM) offered to run different trials of CWS fuel in industry and share feedback with Lahore Labs. for further enhancement.

4. Four other Focus Group meetings were also arranged with different industries, M/s Powder Tech Engineering, Gujranwala, M/s C. C Factories (Pvt.) Ltd., Wazirabad, M/s Metal Powder (Pvt.) Ltd., Gujranwala, M/s Electro Heat (Pvt.) Ltd., Gujranwala, M/s Teflon Metalware (Pvt.) Ltd., Gujranwala and M/s Burhan Gas Company (Pvt.) Ltd., Gujranwala to discuss different engineering problems related to kitchen wares, powder metallurgy, LPG composite cylinders and casting of special alloys. In this regard, Engr. Muhammad Irfan, Head PITMAEM along with a team of engineers visited and attended the meetings.

Industrial Advisory Board Meeting Held at PCSIR Institute of Industrial Electronics Engineering (IIEE), Karachi

PCSIR Institute of Industrial Electronics Engineering (IIEE) arranged an Industrial Advisory Board meeting at IIEE on 11th

February, 2019. After the meeting members of the board visited different laboratories of IIEE.



Members of Industrial Advisory Board visiting IIEE



Engr. Ashab Mirza, Principal IIEE chairing the Industrial Advisory Board meeting

Visit of Director, S.R Laboratories at PCSIR Leather Research Centre, Karachi

Mr. Sabir Hussain, Director, M/s S.R Laboratories (Pvt) Ltd. visited PCSIR Leather Research Centre Karachi on 15th January 2019.

He discussed about the physical testing services of LRC with the researchers of Leather Technology Division. He also visited physical testing Laboratories and appreciated the scientists and engineers of LRC for developing some physical testing equipment at PCSIR Leather Research Centre.



Director, S.R Laboratories visiting different Laboratories of Leather Research Centre Karachi

Participation of Institute of Industrial Electronics Engineering in PAK-PLAS EXPO 2019

Final year students of PCSIR Institute of Industrial Electronics Engineering participated in the exhibition "PAK-PLAS EXPO 2019" at the Expo Centre, Karachi on 18th - 20th, March 2019. A stall of IIEE was also setup in this exhibition.



Stall of PCSIR IIEE at PAKPLAS Expo 2019

Industrial Visits Arranged for IIEE Students

For the practical training of students, PCSIR Institute of Industrial Electronics Engineering (IIEE), Karachi regularly arrange the visits of renowned Industries of Pakistan. In this regard, industrial visit arranged for 27 batch

students for Pakistan Beverages (Pepsi Cola Pvt. Ltd.) on 5th January 2019. Another visit was arranged for the students of batch 28 at Artistic Milliners (Pvt.) Ltd. on 11th February 2019.



Students of IIEE with the Officials of Pakistan Beverages (Pepsi Cola Pvt. Ltd)

A Delegation from PCSIR Visited US-Pakistan Centre for Advanced Studies in Water at Mehran University of Engineering & Technology, Jamshoro

Mr. Muhammad Aleem Ahmad, Director General PCSIR Laboratories Complex, Karachi (KLC) along with Mr. Gulzar Hussain Jhatial, Director Fuel Research Centre Karachi and Dr. Shahnaz Perveen, Director Planning and Development KLC visited US-Pak Centre for Advanced Studies in Water (USPCAS-W) at Mehran University of

Engineering and Technology, Jamshoro. Deputy Director USPCAS-W Dr. Rasool Bux Mahar welcomed the delegates. During the visit, collaboration in research projects of mutual interest in the field of water studies and technologies were discussed and both parties agreed for joint working.



PCSIR Delegates at US-Pak Centre for Advanced Studies in Water (USPCAS-W)

Leather Research Centre Participated in International Exhibition at Expo Centre, Lahore

PCSIR Leather Research Centre (LRC) Karachi participated as stall holder in the International Exhibition "5th Pakistan Mega Leather Show 2019" at Expo Centre Lahore from 27th to 29th January, 2019. The stall was sponsored by the "Pakistan Tanner Association". The visitors showed keen interest in the products and services of LRC. Feedback was received from major industries through feedback forms. Participants showed interest mainly in chicken leather, paw leather, stomach leather and zero formaldehyde. This event helped LRC to publicize its products, technologies and analytical services for commercialization.



Visitors showed keen interest in the Leather Research Centre products

Director General KLC Visited Leather Research Centre

The Director General PCSIR Laboratories Complex, Karachi Mr. Mohammad Aleem Ahmed visited Leather Research Centre Karachi (LRC) on 3rd January, 2019.

During the meeting, two issues were discussed in detail regarding joint training programme of LRC & KLC and mutual research work between these Laboratories especially Polymer and Textile divisions.

Director General PCSIR Laboratories Complex, Karachi also visited the tannery section and different Laboratories. He also planted various plants in the garden of Leather Research Centre. Director LRC Dr. Hafiz Rab Nawaz and Dr. Kashif Pervez, Principal Scientific Officer were also present at this event.



Director General KLC planting trees in Leather Research Centre Karachi

Launching of PCSIR Institute of Industrial Electronics Engineering Website

Website of PCSIR Institute of Industrial Electronics Engineering has been updated and launched by the Director General of PCSIR Laboratories Complex Karachi Mr. Mohammad Aleem Ahmed on 29th March 2019.

The principal IIEE, Engr. Ashab Mirza and officials of PCSIR Pak Swiss Training Centre Karachi and IIEE were also present at this occasion.



NUTECH Official Visited PSTC, Karachi

Col. Bakhtiyar from the National University of Technology (NUTECH), Islamabad, a newly established university under Ministry of Science & Technology (MoST) visited at Pak-Swiss Training Centre (PSTC), Karachi on 3rd January, 2019 and to observed the theory/ laboratory and workshop patterns and training policies. He was very much impressed with the way of training imparted at PSTC and assured for a welcoming response to the students of PSTC at their University.

Managing Director, TEVTA (KP) Visited PCSIR Labs. Complex, Peshawar

Mr. Sajjad Ahmed, MD, Technical Education & Vocational Training Authority (TEVTA) Khyber Pukhtunkhwa visited Dimension Stone Centre (DSC), PCSIR Laboratories Complex Peshawar on 29th January, 2019. Engr. Ahmed Ali, Director DSC briefed him about the on-going activities of the centre and also discussed about the Chief Minister Training Programme which will be started in near future.

Commendation Certificates Awarded to Staff of Industrial Liaison Section PCSIR Peshawar by DIG Police, KPK

Engr. Irfan Ahmed Rabbani, Director General, PCSIR Laboratories Complex, Peshawar distributed commendation certificates to the staff of Industrial Liaison Section PCSIR Peshawar on behalf of Deputy Inspector General Khyber Pakhtunkhwa Police Department. Certificates were given in recognition of co-operation with Khyber Pukhtunkhwa police on 16th January 2019.

Students of MUET Visited PCSIR Laboratories, Hyderabad

A group of 28 students along with two faculty members Engr. Maroof Ali Panhwar and Engr. Shadab Soomro, Department of Electronic Engineering, Mehran University of Engineering & Technology, Shaheed Z.

A. Bhutto Campus, Khairpur Mir's visited PCSIR Hyderabad Laboratories on 22nd January, 2019. They were taken around to various labs. and sections of PCSIR Laboratory, Hyderabad.



Students discussing about the solar devices fabricated in Hyderabad Laboratories



Commendation certificates awarded to staff of Industrial Liaison Section PCSIR Peshawar by Dy. Inspector General Police, KPK in recognition of co-operation with KPK police

Researchers of PCSIR Laboratories Complex, Lahore Participated in Conferences/ Workshops

1. Engr. Muhammad Irfan, Head, Pakistan Institute of Technology for Minerals and Advanced Engineering Materials (PITMAEM) and Engr. Badaruddin Soomro, Junior Engineer, PCSIR Laboratories Complex, Lahore attended Conference & Technical Session of "7th Industrial Boilers and Pressure Vessels Technology" on 21st March, 2019 at Lahore. This conference was organized by SKEN, Business Management Services (Pvt.) Ltd. Engr. Muhammad Irfan was invited as Guest Speaker to present the technical talk on "Failure Investigation of Boilers-Causes and Remedies". Boilers engineers and inspectors from different industrial sectors participated in the workshop and shared their experiences.



Engr. Muhammad Irfan, Head PITMAEM, PCSIR Labs Complex, Lahore receiving shield in the Conference

2. Mr. Syed Zaheer Abbas, Scientific Officer, Mr. M. Usman, Senior Technician, Mr. Wasim Akram, Senior Technician, and Mr. S. Hashim Shah, Research Assistant also attended "8th International Exhibition for Solar Industry" on 28th & 29th March, 2019 organized by M/s. Solar Pakistan at Expo Centre Lahore. Different stalls were displayed by industries related to solar energy and electrical appliances.



PCSIR Labs Complex, Lahore delegation visiting the 8th International Exhibition for Solar Industry

3. Another technical session/workshop on "Protection of Gas Pipelines from Corrosion" was organized by SNGPL, Lahore at Corrosion Control Centre (SNGTT) Kot Lakhpat Lahore on 27th February 2019. This workshop attended by Engr. Muhammad Nauman and Engr. Waqas Iqbal from PCSIR Labs. Complex, Lahore.

Training on ISO/ IEC 17020:2012 and APLAC TR 001

PCSIR Laboratories Complex Karachi researchers successfully completed five (5) days Assessor Training course based on ISO/IEC 17020:2012 and APLAC TR 001.

Students of BUITEMS and Balochistan University Visited PCSIR Quetta

Engr. Asmat Ullah, Chairman Department of Civil Engineering, Balochistan University of Information Technology, Engineering and Management Sciences along with their students visited PCSIR Laboratories Quetta and held a meeting with Mr. Mujeeb-ur-Rehman, Director, PCSIR Labs Quetta for discussion on the matter regarding the technical assistance for the final year research projects of students of Civil Engineering.

Dr. Asmat Ullah Kakar, Professor Department of Zoology, University of Balochistan along with students of Zoology department also visited PCSIR Quetta Labs.

Supervision of Students at PCSIR Laboratories, Quetta

Mr. Khurram Shahzad, Department of Civil Engineering, Balochistan University of Information Technology, Engineering and Management Sciences was facilitated and supervised to carry out his thesis research entitled "Assessment of Landfill Leachate Impact on Ground Water in Quetta". Miss Zainab Karim, Department of Zoology, University of Balochistan was facilitated to carry out her final year dissertation "Comparison of Human and Cow Milk". Mr. Baitullah, Department of Chemistry, University of Balochistan was also facilitated and supervised for his research project "Proximate analysis of Balochistan Coal".

Researchers of Leather Research Centre, Karachi Attended Meeting at Rotary Club Karachi

Dr. Kashif Pervez, PSO and Dr. Farman Ahmed, SSO PCSIR Leather Research Centre, Karachi attended a meeting at Rotary Club of Karachi on 15th January, 2019. Dr. Farman Ahmed, as a guest speaker shared the views on "Industrial Environmental Challenges." A shield was awarded to Dr. Farman Ahmed at this occasion.



Sports Week Celebrated at PSTC, Karachi

In February-2019, cricket tournaments were arranged among the students of morning and evening classes (all disciplines) in PCSIR Pak Swiss Training Centre Karachi. Trophy was given to the winning team and appreciation certificates were awarded to the volunteers.

Indus Hospital Set-up Blood Donation Camp at PSTC Karachi

A camp for health awareness and blood donation was arranged at PCSIR Pak Swiss Training Centre, Karachi in January-2019 by M/s Indus Hospital Karachi. PSTC trainees participated and donated blood in this camp.

Jalsa-e-Seerat-un-Nabi at PSTC, Karachi

Jalsa-e-Eid Milad-un Nabi (S.A.W.W) was held in PCSIR Pak Swiss Training Centre-Karachi on 23rd January, 2019. The Chairman of Selani Foundation was the Chief Guest of the occasion. Prominent Naat Khuwahans of Karachi University were also invited in this event. Students of PSTC performed in the competition and the prizes/shields were distributed among the top three positions of each category.

Two Technical Staff Members of PCSIR Leather Research Centre Obtained Title of “National Certified Assessor” in Leather Field

TVET under support programme have selected two candidates of PCSIR Leather Research Centre Karachi Mr. Farrukh Hassan Bhatti, Research Assistant and Mr. Raja Asad, Technician for the National

Certified Assessor (NCA) course in the field of Leather. This training course was held from 04th to 08th March, 2019 at Marriott Hotel, Karachi.



Group photo of the participants of NCA Training Course

Engr. Farah Haroon Assumed Charge of Chief Co-ordinator/Vice Principal, IIEE, Karachi

Engr. Dr. Farah Haroon has assumed the charge of Chief Co-ordinator/Vice Principal of PCSIR Institute of Industrial Electronics Engineering (IIEE), Karachi on 15th March, 2019.

Farewell Party at PCSIR Institute of Industrial Electronics Engineering (IIEE), Karachi

A farewell party was arranged in PCSIR Institute of Industrial Electronics Engineering (IIEE), Karachi in the honour of Engr. Ejaz Hussain on 14th March, 2019 on his retirement as the Chief Co-ordinator in IIEE.

Engr. Ashab Mirza, Principal and the senior staff of IIEE took the opportunity to highlight and appreciate the services of Engr. Ejaz Hussain.



Engr. Ashab Mirza, Principal PCSIR Institute of Industrial Electronics Engineering presenting Shield to Engr. Ejaz Hussain on his retirement

Scientists of PCSIR Laboratories Karachi Attended Stakeholders Consultative Workshop

Stakeholders Consultative Workshop on “Agricultural Innovations Phase-II for Priorities Setting Opportunities, Needs and Potential” was organized by Agriculture Research Sindh at Directorate General, Agriculture Research Sindh, Tando Jam on 7th February 2019. Researchers, Scholars and Stakeholders from all across Sindh were invited to attend the workshop. Dr. Beena Naqvi, S.S.O. and Dr. Sofia K. Alvi, P.S.O. of PCSIR Laboratories Complex Karachi were invited as resource persons. The session was chaired by Chairman PARC,

Dr. Yusuf Zafar. The workshop gave in depth knowledge of the problems faced by the stakeholders, innovative solutions and research ideas in the fields of Diversified, Productive & Nutritious Agriculture /Livestock, Mechanized, Pre & Post-harvest, Value-added Agriculture, Climate Smart Agriculture (CSA) and Building Climate Smart Villages (CSVs). The workshop ended with fruitful discussions between researchers and farmers in the field of cereals, oil seeds, pulses, fruits & vegetables, Livestock and small ruminants.



PCSIR Researchers during the Agricultural Innovations Workshop

Internship for Students of PCSIR Pak Swiss Training Centre Karachi

As a part of training to have a practical exposure and experience of the manufacturing and production activities, the students of final year of PCSIR Pak Swiss Training Centre Karachi are regularly sent to different leading industries for internship.

Due to good relations and contacts with the industries, they are welcoming PSTC students and absorbing them for internship.

During the said period, 31 students of final year were sent to different companies for internship.

The event was well attended by the stake holders from all over the country who participated over-whelmingly in depth discussion about the role of higher education, new trends, issues and challenges, linkages with industry,

entrepreneurships, policy matters and transfer of technology.

This event provided an interdisciplinary platform for Academia, R&D organizations and Industries to present and discuss the most recent innovations, trends and

concerns as well as practical challenges encountered and solutions adopted which is a major contribution for the development and integration of knowledge. It also provided an opportunity to interlink and collaborate with each other for joint venture and technology transfer.



Opening ceremony of the Expo by the Chief Guest, Senator Mushtaq Ahmed



Visit of the Honourable Chief Guest to the Expo

National University of Science & Technology Organized Its First-Ever Job Fair at PCSIR Labs. Complex, Lahore

Due to the difficulties faced by students for the appropriate jobs according to their skills, National University of Science & Technology

(NUST) has organized its first ever job fair at PCSIR Laboratories Complex, Lahore on 14 March, 2019.

The objective of the fair was to develop awareness among youngsters for getting a job during their academic programs/sessions.



Students are receiving information from the NUST officials during the Job Fair. Dr. Quratulain Syed, DG PCSIR Labs. Complex, Lahore is also present



Establishment of Common Facility Centre, at SIMAP Sialkot

PCSIR has established a common facility centre (CFC) at SIMAP Sialkot. The objective of the centre is to provide technical services/testing to the stakeholders.

More than, 1000 analytical tests have been conducted so far.





Engr. Ashab Mirza , Principal IIEE is addressing during the website training session



Dr. Shahzad Alam, Chairman PCSIR inaugurating Expo-2019 at PCSIR Laboratories Complex Lahore

Participation of PCSIR Institute of Industrial Electronics Engineering (IIEE) in International Conference, "IEEC 2019"

PCSIR Institute of Industrial Electronics Engineering (IIEE) actively participated as a collaborator in arrangement of 4th International Conference "IEEC 2019" jointly hosted by Institute of Engineers of Pakistan (IEP) and NED University of Engineering & Technology. The conference was held on 25th and 26th January, 2019 with the theme

"Aspiring Pathways in Electrical Engineering", ASPIRE 2019.

Dr. Farah Haroon performed responsibilities as the member of Coordination Committee and Session Chair of Technical Session V, "Control Systems and Robotics" in this conference.

Participation of PCSIR Institute of Industrial Electronics Engineering in Seminar & Training Program

Chairpersons of OBE & QEC and four faculty members of PCSIR Institute of Industrial Electronics Engineering (IIEE) attended a seminar on "Quality Assurance Practices in HEIs" at NED University of Engineering & Technology, Karachi on 26th February, 2019.

QEC members Engr. Anjum Darakhshan and Engr. Asghar Daudani attended the training on "How to develop SARs as per OBE guidelines for PEC accredited programs" arranged by QEC in NED University of Engineering and Technology on 30-31st January 2019.

Development and Fabrication of Equipment at PCSIR Laboratories Complex, Karachi

Scientists of Applied Physics, Computer and Instrumentation Centre (APC & IC), PCSIR Laboratories Complex Karachi have developed and fabricated many equipment including Portable PH meter, Digital

Conductivity meter and a Water de- ionizer unit. These equipment have supplied to Lahore College for Women University, Quaid-i- Azam University Islamabad and COMSATS.

NAVTTTC Officials Received Training from PCSIR Laboratories Complex, Lahore

PCSIR Laboratories Complex, Lahore provided technical training to the officials of National Vocational & Technical Training Commission (NAVTTTC), Islamabad. Two engineers/ experts of LLC were nominated to provide their technical expertise for setting of curriculum for diploma based trainings as per Competency Based Trainings and Assessments (CBT&A).

This training programme was conducted from 25th February to 1st March, 2019 at Palm Grand Hotel, Lahore.

Participation of PCSIR PSTC, Karachi in PAK PLAS Exhibition

PCSIR Pak Swiss Training Centre-Karachi participated in the exhibition held from 18th to 20th March, 2019 at Expo Centre, Karachi organized by M/s. Pak Plas (Pvt.) Ltd.

The stall arranged by PSTC was very much viewed and appreciated.

IN THIS ISSUE

Int. conference at KLC	P - 2	Visit of delegation to PLC	P - 4	KLC delegates at US Pak Centre	P - 7
Seminar on honey business	P - 2	Visitors appreciated Hi-Tech facilities	P - 5	DG KLC visited LRC	P - 8
KLC organized training course	P - 3	PLC strengthen liaison with Industries	P - 5	LRC staff obtained NCA title	P - 10
Process developed for STPP	P - 3	Ind. advisory board meeting	P - 6	NUST organized Job Fair	P - 11

Published and Issued by: PCSIR Scientific Information Centre, Shahrah-e-Dr.Salimuzzaman Siddiqui, Karachi-75280

Phone: (021)99261916, 99261917; Fax: (021)99261913; E-mail: info@pjsir.org; Printed: January 2020

Compiled and edited by: Miss Shahida Begum (Director) and Miss Seema Iqbal (Pr. Scientific Officer)

Designed by: Mr. Mansoor Ghani; Composed by: Mr. Imdadullah Khan