



Production of Disinfectant Solutions and Hand Sanitizers at PCSIR Laboratories

Considering the national crises and emergent state of affairs, Pakistan Council of Scientific & Industrial Research (PCSIR), Ministry of Science & Technology, likewise other R&D organizations, came forward and

took initiative to develop the technology for producing quality disinfectant solutions and hand sanitizers as per WHO standards for public & private sector organizations as well as to general public. The production of these

quality hand sanitizers were undertaken by PCSIR Laboratories in Lahore, Karachi and Peshawar on its pilot plants already established under PSDP projects.

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The Honourable Federal Minister for Science & Technology, Chaudhry Fawad Hussain monitoring the Hand Sanitizer production during his visit to PCSIR Laboratories Complex, Peshawar.

Production of Hand Sanitizers at PCSIR Laboratories Complex, Karachi

Chaudhry Fawad Hussain, Federal Minister for Science & Technology, Visited PCSIR Laboratories Complex, Lahore to Monitor Activities during COVID-19

Chaudhry Fawad Hussain, Federal Minister for Science & Technology, visited PCSIR Laboratories Complex, Lahore on 8th June, 2020. Engr. Adnan Akram, Director (P&D), and other officials of PCSIR Laboratories Complex, Lahore welcomed the honorable

Federal Minister. Engr. Ali Imran, Head-UMW gave an operational demonstration of locally assembled Mechanical Hand Sanitizer Dispenser developed by PCSIR Laboratories Complex, Lahore.

National Dialogue on Biotechnology

Chaudhry Fawad Hussain, Federal Minister of Science & Technology chaired a meeting on "National Dialogue on Biotechnology" on 10th January, 2020 at PCSIR Laboratories Complex, Lahore. Experts from all fields of Biotechnology attended the meeting. The application of Biotechnology in different sectors such as agriculture, medicine, food, environment etc. was discussed, in detail. The Honorable Federal Minister emphasized to carry out latest research in all the disciplines of Biotechnology for national development.



The Honourable Federal Minister for Science & Technology, Chaudhry Fawad Hussain arriving in PCSIR Laboratories Complex, Lahore



The Honourable Federal Minister for Science & Technology, Chaudhry Fawad Hussain welcomed by Habibulah Khan, Chairman PCSIR and Dr. Quratulain Syed, Director General, PCSIR Laboratories Complex, Lahore on the eve of "National Dialogue on Biotechnology".

Chaudhry Fawad Hussain, Federal Minister for Science & Technology, Visited PCSIR Laboratories Complex, Lahore to Monitor R&D activities and Various Projects

Chaudhry Fawad Hussain, Federal Minister for Science & Technology, Mian Mehmood-ur-Rasheed, Provincial Minister of Punjab for Housing, Urban Development & Public Health Engineering, and Mr. Habib

Ullah Khan, Chairman PCSIR visited PCSIR Laboratories Complex, Lahore on 6th January, 2020. During the meeting, current R&D activities and various projects of the complex were discussed, in detail.



The Honourable Federal Minister for Science & Technology, Chaudhry Fawad Hussain and Mian Mehmood-ur-Rasheed, Provincial Minister, Government of Punjab Chairing a meeting at PCSIR Laboratories Complex, Lahore.

A Consultative Meeting for the Development of Herbal Park in District Jehlum

Capt. (Rtd.) Muhammad Asif, Secretary, Department of Forestry, Government of the Punjab, Mr. Shahid Rasheed Awan, Additional Secretary (Technical) Department of Forestry, Government of the Punjab, Mr. Zahid Sohail, Additional Secretary, Department of Housing, Government of the Punjab and Mr. Nadeem Sarwar, Director General, Punjab Housing and Town Planning Agency visited PCSIR Laboratories Complex, Lahore to discuss the pre-

feasibility of the development of Herbal Park in Jehlum. Dr. Quratulain Syed, Director General PCSIR Laboratories Complex, Lahore being the focal person from the Federal Ministry of Science & Technology organized this meeting on 2nd January, 2020. The discussions are under way to prepare a PC-I. PCSIR Laboratories Complex, Lahore will take a lead role in the execution of Herbal Park development project.



Meeting of Dr. Quratulain Syed, Director General, PCSIR Laboratories Complex, Lahore with Secretaries/Additional Secretaries of various departments regarding pre-feasibility for the development of Herbal Park in Jehlum.

Capt. (Retd.) Nasim Nawaz, Secretary MoST Visited PCSIR Labs. Complex, Lahore

Capt. (Retd.) Nasim Nawaz, Federal Secretary for Ministry of Science & Technology, visited PCSIR Laboratories Complex, Lahore on 11th May, 2020 for operational demonstration of Disinfectant Tunnel and Mechanical Hand Sanitizer Dispenser made by PCSIR Laboratories Complex, Lahore. These products were developed in response to pandemic of COVID-19 in the country. The Federal Secretary appreciated the efforts made by the scientists/ engineers of PCSIR Laboratories Complex, Lahore.



Capt. (Retd.) Nasim Nawaz, Federal Secretary, Ministry of Science & Technology observing Disinfectant Tunnel and Mechanical Hand Sanitizer Dispenser manufactured at PCSIR Laboratories Complex, Lahore.

Instructors of PCSIR-Cast Metals & Foundry Technology (CM&FT) Centre, Daska Enrolled with NAVTTC

Newly recruited instructors have been enrolled with NAVTTC to upgrade their knowledge and skills in ToT (Training of Teachers). Further, process of enrollment/accreditation of the institute has been initiated.

Visit of Chairman PCSIR to Korangi Association of Trade & Industry (KATI)

The Members of Executive Committee of Korangi Association of Trade & Industry (KATI) invited Mr. Habib Ullah Khan, Chairman PCSIR at their Secretariat office on 23rd January, 2020. The main purpose of the visit was to explore business opportunities and possible role of PCSIR for helping the Small and Medium Enterprises (SMEs).

Mr. Muhammad Aleem Ahmed, Director

General PCSIR Laboratories Complex, Karachi, Dr. Shahnaz Perveen, Director (P&D), HoCs of different centers, Principal IIEE and PSTC and Director FRC and Director LRC were also present at the occasion. Engr. Razia Begum, HoC CES and Dr. Sofia Khaliq Alvi PSO, PCSIR Laboratories Complex, Karachi delivered brief introduction of PCSIR and presented recent achievements of PCSIR Laboratories Complex, Karachi.



PCSIR Laboratories Complex, Karachi developed Disinfectant Walkthrough Gate

During the pandemic of COVID-19, KLC faced a challenge to deal with public and private sector clients. Therefore, efforts were made to locally develop a cost effective disinfectant walk through gate having provision of pump to provide low flow and high-pressure delivery of disinfectant solution. Sensors were also installed to automate the disinfection flow process through special nozels.



PCSIR Laboratories Complex, Karachi Organized Awareness Seminar on "Corona Virus Outbreak"

Coronavirus Disease 2019 (COVID-19) emerged as a global epidemic caused by Novel Coronavirus. Since, it is a new virus and no vaccination was available in the global market, therefore, this epidemic affected the the economy, culture, social activities around the world. To dessiminate & create awareness of COVID-19 among the general masses, an awareness seminar was organized at PCSIR Laboratories Complex, Karachi on 13th February, 2020 well before the first case of COVID-19 was reported in Pakistan. Dr. Tariq Saeed, Consultant Physician/ Director Medical PTCL was the guest speaker of the session who gave detailed briefing to the participants about types of COVID-19, mode of transmission, symptoms, possible treatment and preventive measures.



Meeting of Mr. Habib Ullah Khan, Chairmain PCSIR with Officials of Sialkot Chamber of Commerce & Industry (SCCI), Sialkot

Mr. Habibullah Khan, Chairman PCSIR, chaired a meeting with officials of Sialkot Chamber of Commerce & Industry (SCCI), Sialkot in PCSIR Laboratories Complex, Lahore on March 7th, 2020. Dr. Quratulain Syed, Director General, Heads of all Centers,

representatives from PSQCA and PNAC also participated in the meeting. The purpose of meeting was to discuss the establishment of ISO accredited testing facilities for surgical instruments, leather, textile and sports goods to facilitate the exports of Sialkot region.



Mr. Habib Ullah Khan, Chairman PCSIR presiding a meeting with officials of Sialkot Chamber of Commerce & Industry (SCCI), Sialkot.



Group photo of Mr. Habib Ullah Khan, Chairman PCSIR, Dr. Quratulain Syed, Director General, PCSIR Labs., Lahore with officials of Sialkot Chamber of Commerce & Industry (SCCI), Sialkot.

Pak-Swiss Training Centre (PSTC), Karachi Got Accreditation from NAVTTC

As a result of series of visits by the Team of NAVTTC at PSTC-Karachi and monitoring/observance of the standards / procedures as defined in Accreditation

Manual, the Accreditation Certificate has been granted to PSTC-Karachi, which is a matter of pride and success for PSTC and PCSIR.

Lt. General (Rtd.) Khalid Asghar, Rector, National University of Technology (NUTECH), Islamabad Visited PCSIR Laboratories Complex, Lahore

Lt. General (Rtd.) Khalid Asghar, Rector, National University of Technology, Islamabad visited PCSIR Laboratories Complex, Lahore on January 20th, 2020. The main purpose of the visit was to identify & explore the possible areas of collaboration between



Lt. General (Rtd.) Khalid Asghar, Rector, National University of Technology (NUTECH), Islamabad during his visit to PCSIR Laboratories Complex, Lahore.

both the entities. The Rector, appreciated the efforts of PCSIR Laboratories Complex, Lahore and showed his keen interest in PCSIR's locally developed products especially Laboratory Equipments.



Meeting with CEO of Yesang Food (Pvt) Ltd at PCSIR Labs., Lahore

Mr. Arif Bhatti, CEO, M/s Yesang Food (Pvt.) Ltd alongwith his management visited PCSIR Laboratories Complex, Lahore and had a meeting with the Director General, PCSIR Laboratories Complex, Lahore on 13th March, 2020. During the meeting, various avenues of possible collaboration were discussed, in detail. He showed keen interest in the production of "Magnetic Iron free Turmeric" for export purpose. He also desired to avail services of PCSIR Laboratories Complex, Lahore in different sectors such as essential oils, herbal products and spices.



Mr. Arif Bhatti, CEO M/s Yesang Food (Pvt.) Ltd. during his visit to PCSIR Labs. Complex, Lahore.

Vice President, Lahore Chamber of Commerce & Industry (LCC&I) visited PCSIR Laboratories Complex, Lahore

Mian Zahid Jawaid Ahmad, Vice President, Lahore Chamber of Commerce and Industry (LCC&I), alongwith Mr. Azmat Javed, Chairman, The Engineering Components & Machinery Manufacturing Association (ECMMA) visited PCSIR Laboratories Complex, Lahore on 2nd March, 2020. The purpose of the visit was to explore possible

areas of collaborations between PCSIR Laboratories Complex, Lahore, LCC&I and ECMMA. The member delegates visited different Centres like EMTL, PITMAEM, APC&IC, FBRC, CDLE, GCRC, UMC, MPRC, and ACRC at PCSIR Laboratories Complex, Lahore to witness the available facilities.



Pictorial view of the visit of delegates from Lahore Chamber of Commerce and Industry (LCC&I) in different Centres at PCSIR Laboratories Complex, Lahore.



MoUs Signed

An MoU entitled "Co-Operation and Collaboration in Academic and Research Development" was signed between PCSIR Leather Research Centre, Karachi and Textile Department of NED Engineering University Karachi.

PCSIR Laboratories Complex, Lahore Organized Workshop on "Mechanical, Electrical and Plumbing for Lighting Industry"

One Day workshop on "Mechanical, Electrical and Plumbing (MEP) for Lighting Industry" was organized at PCSIR Laboratories Complex, Lahore on January 16th, 2020. The workshop was arranged by Mr. Muhammad Azhar, Head EMTL, in which delegates from different organizations participated to discuss the significance of MEPs.



Dr. Naseem Rauf, Member (Science) alongwith with DG-KLC visited PCSIR Laboratories, Hyderabad

Dr. (Mrs.) Naseem Rauf, Member (Science) alongwith committee members visited PCSIR Laboratories Hyderabad on 4th February, 2020 to assess the existing facilities / potential and explore ways and means to enhance the R&D output of PCSIR Laboratories, Hyderabad. The committee

visited Kotri Association of Trade and Industry (KATI)/ Jamshoro Chamber of Commerce & Industry (JCCI), Kotri and seek valuable inputs/ suggestions for different facilities and to establish mutual cooperation as per their need.



Dr. (Mrs.) Naseem Rauf, Member (Science), PCSIR during her visit to PCSIR Laboratories, Hyderabad.

PCSIR organized a One Day Seminar on “Health, Fitness, Sports and Prevention from Sports Injuries” at Lahore

One day seminar on “Health, Fitness, Sports and Prevention from Sports Injuries” was held at PCSIR Laboratories Complex, Lahore on 6th February, 2020. Dr. Ammad

Ahmed, Consultant Sports Physician highlighted the significance of sports in life and briefed the ways of prevention from injuries caused during sports.



PCSIR Laboratories Complex, Lahore organized Seminar on “Health, Fitness, Sports and Prevention from Sports Injuries”

Engr. Sohail Ameer Marwat, Member (Technology) Conducted a Meeting with NED University, Karachi

Engr. Sohail Ameer Marwat, Member (Technology) visited IIEE, Karachi on 28th February, 2020 and conducted a meeting with Principal and Sr. staff of IIEE regarding NED UET / PEC accreditation. During the meeting, academic progress was discussed and admission policy 2020 was also finalized.



Engr. Sohail Ameer Marwat, Member (Technology), PCSIR during his visit to Institute Of Industrial Electronics Engineering, Karachi.

PCSIR Laboratories Complex, Karachi Organized One day Workshop on “Introduction to Super-Learning Systems”

PCSIR Laboratories Complex, Karachi organized a one day training workshop on “Introduction to support Super-Learning Systems” on 27th February, 2020. This workshop was intended to create awareness

among the participants about the Brain Boosters & Brain Gymnastics, Super-Learning System, Technology of Heart-Coherence, Technology of Brain-Coherence and brief introductions to Speed-Reading

Course, Mind Mapping Course, Memory Skills Course and Back-Tapping Exercises. Ms. Sania Alam, *Super-Learning Master Trainer* (President IHMD) was invited as the expert to conduct this effective workshop.



PCSIR Labs., Karachi Organized One day Workshop on “Introduction to Super-Learning Systems”



Promoting Science & Technology Based Entrepreneurship, A workshop conducted at PCSIR Laboratories Complex, Karachi

PCSIR Laboratories Complex, Karachi in collaboration with Pak-Swiss Training Centre (PSTC), Karachi organized one-day workshop on "Promoting Science & Technology based Entrepreneurship" on 21st February, 2020.

Dr. Shahid Qureshi Program Director & Assistant Professor at Center for Entrepreneurial Development, IBA, Karachi

conducted the workshop. He disseminated basic knowledge about entrepreneurship and enlightened how the scientific discoveries can make a difference in promoting and creating business activities. He emphasized on the scientist/ engineers to promote and become part of small businesses based on scientific knowledge to create economic activity and job opportunities across the country.

Successful Technical Audit of ISO 17025:2017 of Applied Physics Computer and Instrumentation Centre (APC&IC), PCSIR Laboratories Complex, Lahore



Team of Auditors from PNAC, Islamabad and technical expert from APLAC, Indonesia during audit of ISO/IEC 17025:2017 of APC&IC, PCSIR Laboratories Complex, Lahore.

Experts from APLAC, Indonesia and PNAC, Islamabad conducted two days technical audit of APC&IC (Applied Physics Computer & Instrumentation Centre), PCSIR Laboratories Complex, Lahore and peer evaluation of Pakistan National Accreditation Council Islamabad (PNAC) according to new standards of ISO/IEC 17025:2017 on February 11th-12th, 2020. The APC&IC, PCSIR Laboratories Complex, Lahore successfully implemented the standards according to ISO/IEC 17025:2017 and got certification from PNAC

Scientists of PCSIR Laboratories Complex, Karachi developed "Universal Centrifuge Control System"

A team of scientists namely, Mr. Arif Karim, Mr. Faisal Ghazanfar, Mr. Farhan Aziz and Mr. Kashif Hussain from APC&IC, PCSIR Laboratories Complex, Karachi developed a Universal Centrifuge Control system for high-tech centrifuges. This newly local developed system will eliminate reliance on import of spare parts required for costly centrifuge machines. The spares utilized in designing of the system are indigenously

fabricated from available raw material. The unit can control centrifugation up to 15,000 RPM and temperature lower to 0°C. In addition, it has an ability to detect vibrations and imbalance. The technology is available for R&D Organizations, industries, public and private sector universities and faulty centrifuge machines can also be repaired in PCSIR Laboratories Complex, Karachi.



One Day Training On ISO/IEC 17025:2017 at PCSIR Laboratory Complex, Lahore

One day training on ISO/IEC 17025:2017 was organized by Electrical Measurement Testing Laboratory (EMTL), LLC on February 26th, 2020. Trainees from different organizations participated in the training programme to implement ISO 17025 standards in their respective institutes.



Dr. Quratulain Syed, Director General, PCSIR Laboratories Complex, Lahore distributing Certificates to the participants of ISO/IEC 17025:2017 training.

Patent Obtained

- A process for the Liquor Ammonia from ammonium Sulphate Inventors: S. Burhanuddin Abdali, S. Ali Mohsin, Patent Registration No. 143125.
- A process for the production of Magnesium Carbonate from Sea Bitteri Inventors: S. Burhanuddin Abdali, S. Mohsin Ali, Patent Registration No 143380.
- A Process for Synthesis, Characterization and Biological Evaluation of Cobalt (II) Complex of 2-(Methylimino) methyl]phenol Inventors: Muhammad Kamil, Samina Iqbal, Kamran Abro, Alia Bano Munshi, Sofia Khaliq Alvi, Shagufta Shaikh, Ghulam Fareed & Sheraz Shafiq, Patent Registration No 143394.
- A process for preparation of Coper (II) complex with 1-10, Phenanthroline and its utilization as antibacterial agent Inventors: Muhammad Kamil, Sofia Khaliq Alvi, Anila Siddiqui, Junaid Mehmood, Samina Iqbal and Sheraz Shafiq, Patent Registration No 14909.
- Process for production of Magnesium carbonate from Sea Bittern, Syed Burhanuddin Abdali, PSO (Application #: 568/2008 S.I. No. 143125 accepted at IPO Office, Karachi Dated; 12/12/2019 Date of Issue:21/01/2020).

Patents Filed

- A process for development of permanent Black Ink for new paper from Pakistani lignite coal char, Dr. Gul-e-Rana, SSO, 320/2018 (February 2020)

PCSIR Participated in Pakistan Mega Leather Show 2020

Leather Research Centre, PCSIR participated in International Exhibition titled "MEGA LEATHER SHOW 2020" held at Expo Centre, Lahore from 27th - 29th January, 2020. During the expo, Mr. Ivan Kral, Industrial Development Officer from UNIDO and Mr. Salman Butt, R&D Manager from Siddiq Leather Works was interested in Tannery Solid Wastes



PCSIR Leather Research Centre, Karachi participation in "Mega Leather Show 2020" held at Expo Centre, Lahore.

Management System and its testing. Syed Ali Reza Rizvi, CEO, Pak China Tourism Development, Awan Sports and KAS Enterprises showed interest in exotic leather from Ostrich Skin. Representatives of HMB Tanneries & Kasur Tanneries were interested in testing facilities of PCSIR Leather Research Centre, Karachi.



Interaction with industries (Visit)

- A meeting was held with Mr. Zulfiqar Ali Dhakan, CEO of ZAD Tech at Director's Office-FRC in January 2020 for establishment of mineral water bottling plant on the basis of public-private partnership with PCSIR. A preliminary feasibility report on the basis of 27000 liter/8hrs was handed over to him as a part of business plan.
- A meeting was held with Mr. Sohail Bawani, Administrator & Members of Management Committee of Saylani Welfare and team of FRC at Director's Office-FRC on 27th January, 2020 for de-inking of Islamic waste papers as per fatwa obtained by Muftis.
- Syed Burhanuddin Abdali, Director, FRC attended a webinar on "Driving Innovation Through Projects" on Tuesday, 11th February, 2020 organized by International Project Management Association (IPMA) Global.
- Syed Burhanuddin Abdali, Director, FRC and Dr. Saima Imad, PSO visited Energy Department, Government of Sindh on 14th February, 2020. A meeting was held with Mr. Shariq Raza, Senior Technical Officer to initiate R&D projects and testing/analysis of coal samples at FRC with collaboration of Sindh Govt. The meeting ended with the conclusion to commence R&D project of coal gasification and fertilizer from coal.

STO, Sindh Government advised for provision of facilities of huge set-up for testing and analysis of coal samples at FRC.

- The Executives of M/s. Siemens Engineering Pakistan visited at PSTC-Karachi on 25th February, 2020 regarding arrangement of training for their employees in professional fields.

- Ms. Sumaira Nosheen (SO/TMR) visited M/s Darson Industries (Pvt.) Ltd. Wazirabad, on 04th March, 2020. The purpose of visit was to conduct 2 day technical assessment for ISO 17025:2017. Technical procedures of different labs have been finalized. Different forms / formats related to ISO 17025 accreditation were finalized.

- Mr. Emil Wise, the former Consul General of Switzerland visited PSTC-Karachi on 6th March, 2020 with his wife. It was his friendly visit in PSTC-Karachi. As a good will gesture and his contribution to the development of PSTC, he donated Rs. 02 Lacs to PSTC-Karachi to utilize for student training purposes.

- 20 Nos. of students of Final Year were sent to different industries for internship for having practical experience of manufacturing process and production set up under industrial linkage program of PSTC-Karachi.

Training Imparted/Received

- Three days training on ISO-17025 was given by Dr. Rabia Nazir (DQMR) from 6th-8th January, 2020 which was arranged by quality office of PCSIR Laboratories Complex, Lahore. The meeting was

attended by all TMRs and DTMRs.

- One day training on ISO 17025 was received by Dr. Farzana Bashir and Dr. Khalid Khichi on 16th January, 2020 and 24th February, 2020.

Jalsa-E-Seeratun Nabi (S.A.W)

A Jalsa-e-Seeratun Nabi (S.A.W) was arranged at PSTC-Karachi on 16th January, 2020. The Chief Guest was invited from Karachi University and I.B.A. Famous Naat Khuwahan was also invited in this event. Students of PSTC performed in the competition and prizes/shields were distributed among the winners.

Scientists of PCSIR Participated in International Conference on Emerging Trends in Smart Technologies 2020

National University of Computer and Emerging Sciences, (FAST-NUCES) Karachi campus in collaboration with IIEE, Karachi organized an International Conference on Emerging Trends in Smart Technologies on 26-27th March, 2020. It was an integrative platform for researchers, scientists, practitioners, Industrialists, academicians and students to extend their contributions related to the emerging applications, future trends, advancements, innovations and experiences in the areas of computing, mathematics and engineering technologies. Due to corona virus pandemic situation, the conference was held through Google Meet App.

Mr. Arif Karim (PSO/HOC APC&IC) was invited as a guest speaker who presented a paper "Design of Low Cost, Energy Efficient, IoT Enabled, Air Quality Monitoring System with Cloud Based Data Logging, Analytics & AI".

Production of disinfectant solutions at KLC from Page 1.....

During COVID-19 pandemic when the country faced acute shortage of hand sanitizers, PCSIR came forward and produced hand sanitizer gel in bulk quantity as a precautionary measure to protect from COVID-19. These Hand Sanitizers were supplied to armed forces, various public & private Sector organizations, hospitals as well as to general public on lowest prices across the country.



Capt. (Retd.) Nasim Nawaz, Federal Secretary, Ministry of Science & Technology arriving in PCSIR Labs. Complex, Lahore on 21st March, 2020 to monitor the production of hand sanitizer.

Visits/Meetings

- Dr. Quratulain Syed, Director General, PCSIR Laboratories Complex, Lahore and Mr. Muhammad Tariq had a meeting with CM Secretariat for 4th council meeting with EPA regarding environmental pollution problems on 7th January, 2020.
- Mr. Habibul Hassan Ghouri, OIC Marketing & IL/ E.O., PCSIR Laboratories, Hyderabad visited Hyderabad Chamber of Commerce and Industry on 7th January, 2020.
- Ministry of WAPDA Terraf Commission had a meeting with Head CEPS, Dr. Muhammad Tahir Butt and Dr. Muhammad Irfan on 17th January, 2020 regarding the material and requirements to prepare sewage treatment plant.
- Engr. Bilal Waseem, JE, PITMAEM had a meeting with M/s Trimmu Panjand Barrages on 28th January, 2020 regarding quality control of different building construction materials.
- Dr. Shahnaz Perveen, Director (P&D), PCSIR Laboratories Complex, Karachi attended the "IUPAC 2020 Global Women's Breakfast (GWB2020)" on February 12th, 2020 at the International Center for Chemical and Biological Sciences (ICCBS), University of Karachi.
- Dr. Asma Saeed, Head ILO attended a meeting with officials of World Wide Funds

(WWF) on 12th February, 2020 to discuss the water consumption, conservation strategies for cotton growing, irrigation scheduling, increasing crop productivity pertaining to the water use, textile wastewater treatment and decreasing the overall environmental repercussions of the entire chain supply.

- A group of Engineers from Chashma, Mianwali visited PCSIR Laboratories Complex, Lahore on 13th February, 2020. The purpose of visit was to give awareness to enhance the technical knowledge of their Engineers working in different units.
- Mr. Muhammad Fayyaz, SO and Engr. Muhammad Adnan Arshad, JE, PITMAEM visited M/s Global Engineering, Lahore on 24th February, 2020. The purpose of visit was to conduct the ILC testing activity of LPG composite cylinders.
- Mr. Muhammad Badar, CEO M/s Nova Engineering (Pvt.) Ltd., Lahore, had a meeting on 27th February, 2020 at PITMAEM regarding the failure investigation of Heat Exchanger Tubes.
- Official of FBRC, PCSIR Laboratories Complex, Lahore had a meeting with M/s Department of Plant Protection, Gilgit Baltistan on 11th March, 2020 regarding the analysis of aflatoxins in walnuts and crushed red chilies.

- Official of FBRC, PCSIR Laboratories Complex, Lahore had a meeting with M/s Sunrice Mills Limited on 17th March, 2020 regarding analysis of aflatoxins in rice samples.
- Meeting of Engr. Muhammad Irfan, Head PITMAEM was held with Mr. Sarim Mahmood (General Manager) M/s TTI Testing Laboratories, Kot Lakhpat, Lahore on April 15th, 2020 regarding the consultancy services for pore size measurement of different quality fabrics for preparation of masks due to current pandemic (COVID-19) situation.
- Dr. Shahnaz Perveen, Director (Planning & Development), PCSIR Laboratories Complex, Karachi attended 7th meeting of Science and Technology Exchange Program (STEP) on the theme of "Scientific Discoveries, Technological Innovations and Strategies Facing Corona Virus Challenges", on 18th May, 2020 and 28th May 2020 via social networks.
- Dr. Muhammad Tahir Butt, Head CEPS, Dr. Naeem Abbas, Dr. Farah Deeba, Mr. Muhammad Irfan, Ms. Farzana Bashir attended and presented paper in "2nd International Conference on Emerging Trends in Earth and Environmental Sciences" on 4-6th March, 2020.

Workshop/ Seminar/ Conference Organized/ Participated

- Ms. Sumaira Nosheen (SO), PITMAEM participated in "1st International Conference on Recent Advances and Challenges in Basic and Social Sciences" on 12-13th February, 2020 at Government Post Graduate Islamia College (Women), Lahore. She presented a paper on topic entitled "Comparative studies of Electrical, Thermal & Mechanical properties of CB/ Polypyrrole/Epoxy Hybrid Nano-composites".
- A two-day Workshop/ Meeting was held at PCSIR Head Office, Islamabad on 19-20th February, 2020. Heads of all technical training centres of PCSIR attended the meeting.
- Graduates of IIEE Batch 2015-16

participated in "National Project Competition 2020" on 22nd-23rd February, 2020 organized by Dawood University of Engineering and Technology (DUET), Karachi.

- Dr. Shahnaz Perveen, Director (Planning & Development), PCSIR Labs. Complex, Karachi delivered a lecture on "Support to Patent Development & Licensing" in Intellectual Property Licensing Workshop held on 3rd - 4th March, 2020, jointly organized by Commercial Law Development Program - Department of Commerce USA, Continuing Legal Education Institute of Pakistan, and Higher Education Commission, Karachi.

Prime Minister Kamyab Jawan Program at PSTC-Karachi

PSTC-Karachi has already qualified for the commencement of Short Courses in 04 Disciplines of 06 months duration through NAVTTC under Kamyab Jawan Program Scheme of Prime Minister of Pakistan. A total number of 95 students were short-listed in the following trades: a) CAD / CAM Operator; b) Industrial Automation (PLC); c) Dies & Mould; d) CNC-Machinist.

Due to lock-down, practical & theory classes could not be commenced, however, on-line links and information is being established as per instructions of NAVTTC.

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