



PRIME MINISTER'S INSPECTION COMMISSION (PMIC) VISIT AT PCSIR LAHORE

A team of Prime Minister's Inspection Commission (PMIC) comprising of Dr. Mumtaz Ahmad Kamal, Member PMIC and Mr. Muhammad Saleh Narejo, Director PMIC visited PCSIR Labs Complex Lahore (LLC) on December 6, 2022. The Team visited Biofloc and research facility at LLC along with Dr. Quratulain Syed, Director General LLC, Dr. Ijaz Ahmed, Director P&D, Dr. Naseem Rauf, Member Science, Dr. Asma Saeed, Head FBRC, Dr. Imran Kalim, Head ILO and Engr. Ali Imran, Head UMW.



VISIT OF ADDITIONAL SECRETARY, MOST TO PCSIR LAHORE

Additional Secretary, Ministry of Science & Technology, Mr. Usman Akhtar Bajwa visited PCSIR Labs Complex, Lahore (LLC) on December 12, 2022. Dr. Quratulain Syed, Director General LLC welcomed honorable Additional Secretary. The Director General LLC presented a brief about ongoing R&D activities at LLC.

The Additional Secretary also visited the Electrical Measurement and Test Laboratory (EMTL) along with the Director General, Dr. Ejaz Ahmed, Director P&D and with other senior officials.



FOOD SAFETY AND NUTRITION EXPO 2022 CUM INTERNATIONAL CONFERENCE ON EMERGING TRENDS IN FOOD SAFETY & NUTRITION AT PCSIR PESHAWAR

Khyber Pakhtunkhwa Food Safety and Halal Food Authority (FSHFA) in collaboration with PCSIR organized a two-day International Conference on Emerging Trends in Food Safety & Nutrition and Food Safety & Nutrition Expo on October 26-27, 2022 at PCSIR Laboratories Complex, Peshawar (PLC) with the theme of "Safer Food, Better Health". The purpose of the Expo was to spread awareness related to safe and nutritious food among the general public. The Secretary Food, Khyber Pakhtunkhwa Capt. Retd. Mushtaq Ahmad and Director General KP Food Safety and Halal Food Authority Shahrukh Ali Khan inaugurated the Food Safety Expo. The Secretary PCSIR and Director General, PLC also graced the occasion.

Addressing to the event Secretary Food, Capt. Retd. Mushtaq Ahmad appreciated the Expo and commended the joint venture of FSHFA along with Academia, R&D organizations and industries. A large number of scholars from universities actively participated in the event. Vice Chancellors of various universities addressed the event to express their views on the theme.



The conference through keynote presentations, oral talks and poster presentations highlighted the challenges associated with fragile food safety and its corollaries. It also provided an opportunity to the scientific community, industrial icons, food traders, development partners, progressive farmers and policy makers to have their experiences shared at the right forum and to suggest the strategy to address the challenges related to food safety and nutrition. While addressing to the audience Director General PLC, Jehangir Shah said there is a dire need for collaboration among key pillars such as the Food Safety Authority, academia, research organizations and industries, and that they should join their efforts to ensure food safety and promote industrial growth to meet the nutritional requirements of public at large in the best possible way. During his address he insisted that it is the right time to establish the Pakistan Food Safety and Nutrition Council. He also highlighted food waste issue and suggested mitigation through skill-based trainings and public awareness.

Concluding session of international conference was chaired by Riaz Khan Mehsud, Commissioner Peshawar, with Prof Dr Faqir Anjum, A renowned Food Scientist, Shahrukh Ali Khan, DG FSHFA and Jhangir Shah, DG PLC.



PCSIR LAHORE PITMAEM TEAM VISITS ORIENT ENERGY SYSTEMS (PVT.) LTD., LAHORE

Engr. Muhammad Irfan, Senior Engineer, Engr. Badaruddin Soomro, Junior Engineer and Salman Ahmad Senior Technician visited M/s Orient Energy Systems (Pvt.) Ltd., Lahore on October 11, 2022.

The purpose of visit was to discuss the technical issues related to wear and corrosion of different components being used in power generation plants. PITMAEM is already providing the services of coatings on Generator Cylinder Heads to the industry.

MID CAREER MANAGEMENT COURSE (MCMC) PARTICIPANTS VISIT PCSIR KARACHI

Thirty-five (35) officials from key departments of Government of Pakistan visited KLC as part of their training Mid Career Management Course (MCMC) at National Institute of Management (NIM). Dr. Sofia Khalique Alvi (PSO) gave a brief presentation about KLC and its achievements in the recent years. They visited different research centres of KLC on 01-12-2022. During the discussion, they appreciated role of PCSIR for industrial support and encouraged scientist to keep working on key projects of national interests.



ORDINANCE ENGINEERING SYSTEM MANAGEMENT AND APPLICATION COURSE (OESMAC) PARTICIPANTS VISIT PCSIR LABS COMPLEX KARACHI

A group of nine (9) officers from Weapons and Ammunition Group, Pakistan Navy attending the OESMAC at Ordinance Training School, PNAD, Karachi visited PCSIR Laboratories Complex Karachi (KLC) on December 05, 2022. They were given brief about the organizational setup of PCSIR, its role and functions. The quality management system was explained by Syed Zainul Ibad (PSO/QMR). They visited key departments of KLC.



FIRST SUCCESSFUL HEMP CROP HARVESTING AT PCSIR LABS COMPLEX LAHORE

First successful crop of hemp was harvested at PCSIR Lab Complex Lahore in the presence of Anti-Narcotics Force (ANF) Team on October 18, 2022. Dr. Quratulain Syed, Director General PCSIR Lab Complex, Lahore, Dr. Zia-ur-Rehman, Head ACRC, Dr. Rabia Nazir, PSO and Engr. Ali Imran, Head UMW supervised the activity.



PCSIR KARACHI PROVIDES TECHNICAL SUPPORT TO HAMDARD LABORATORIES

PCSIR laboratories Complex Karachi has developed a state-of-the-art animal house for rearing and breeding of laboratory animals like albino mice, rats, guinea pigs and rabbits at Pharmaceutical Research Center (PRC). The facility was utilized by M/s Hamdard Laboratories (Waqf) Pakistan to determine in-vivo acute oral toxicity and LD 50 of their herbal products. The company is taking consultancies and testing services from PCSIR Laboratories Complex Karachi on regular basis and signed a MoU in this regard with PCSIR in 2021. In October 2022, around 88 different herbal products were tested and technical reports for toxicological studies and LD 50 were provided to M/s Hamdard Laboratories (Waqf) Pakistan. Toxicological studies are used to identify and characterize impact of a drug on structure and function of vital organs like kidney, heart, muscles etc. \

MEETING AMONG LAHORE CHAMBER OF COMMERCE & SCIENTISTS OF PCSIR LAHORE

A comprehensive introductory seminar was conducted in Lahore Chamber of Commerce & Industry by PCSIR Labs Complex Lahore (LLC) on December 20, 2022.

During the Seminar a detailed Introduction of new testing services and R&D facilities available at PCSIR was presented.

PCSIR team gave an overview of testing services and certification required by the industries linked with Lahore Chamber of Commerce & Industry to enhance their export capacity.

A large number of participants were from Mineral and Metallurgy based Industries.

PCSIR team was requested to visit local industries to identify their issues and technical support requirements.

The team of PCSIR researchers comprising of Mrs. Farzana Habib, Head PITMAEM, Engr. Bilal Wasim (JE), Dr. Irfan Hafeez, MPRC and other officers visited LCC&I for the seminar.



COORDINATOR SCCI VISITS PCSIR LABS COMPLEX PESHAWAR

Mr. Ishtiaq, Coordinator, Sarhad Chamber of Commerce & Industry (SCCI) Peshawar visited PCSIR Labs Complex Peshawar (PLC) on December 13, 2022 regarding development of accredited gem stone testing facility at PCSIR Peshawar. Mr. Jehangir Shah (DG, PLC) along with his team briefed them about the R&D and testing facilities and services already available at PLC.



PCSIR LABS COMPLEX LAHORE RESEARCHERS' PARTICIPATION IN CORROSION ENGINEERING OPEN ENDED LAB EXHIBITION

Engr. Muhammad Irfan (SE) and Engr. Badaruddin Soomro (JE) PITMAEM, PCSIR Labs Complex Lahore participated in "Corrosion Engineering Open Ended Lab Exhibition" organized by Institute of Metallurgy & Materials Engineering (IMME), University of the Punjab, Lahore on December 20 2022. Models, Prototype and equipment designed and developed by the students were displayed. Experts from various organizations and industry appreciated the effort and expressed their views and suggestions for further improvement.



DUET STUDENTS START INTERNSHIP TRAINING AT PCSIR, FRC KARACHI

The Internship training course was specially designed by Fuel Research Center (FRC) PCSIR, Karachi for twenty six (26) internees affiliated to Petroleum and Gas Engineering Department, Dawood University of Engineering & Technology (DUET), Karachi. The time duration of internship training was from December 26, 2022 to January 5, 2023, 2022. The students benefited from the training course designed in accordance with their field of interest.

VISIT OF ADVISOR MOST TO FUEL RESEARCH CENTER KARACHI

Mr. Main Hasan, Advisor MoST visited Fuel Research Centre (FRC), Karachi on December 17, 2022. He specifically visited Coal Briquetting Pilot Plant and coal crushing facility at FRC. He expressed that the aim is to establish a coal briquette production plant at Quetta to utilize the indigenous resources and fulfill the energy requirement of the local consumers.



DIGITALIZATION OF PCSIR HERBARIUM FOR BIODIVERSITY RESEARCH

A training workshop was organized by Herbarium, PCSIR, Peshawar on October 30, 2022. Prof. Dr. Mary Elizabeth Barkworth, was invited as the resource person. She is a world renowned expert in the field of digitalization of herbaria. She is currently working on digitalization of various Herbaria in Pakistan. PCSIR Peshawar has a well organized and internationally organized Herbarium with ID (PES). It houses more than 10,000 dried and well preserved plant specimen even a century old valuable collection is there. To make this valued collection accessible to the researchers across the globe, digitalization is necessary. Digitalization will enable the researcher across the world to get single click access to these specimens and get benefited in various fields of study.



SEMINAR CUM TRAINING AT GILGIT UNDER CERTIFICATE INCENTIVE PROGRAMME MOST

A seminar cum training was arranged at Gilgit in collaboration with Gilgit Chamber of Commerce & Industry, Gilgit under Certificate Incentive Program (CIP), of MoST, on November 13-16, 2022. Mr. Zawar Hussain, Joint Electronic Advisor, MoST was the chief guest while Mr. Muhammad Imran, President Gilgit Chamber of Commerce was the guest of honour. The Project Director, CIP, Mr. Shaheen Raja briefed the audience on the initiatives taken by MoST under the CIP project. The purpose of the seminar was to create awareness and encouragement of entrepreneurship development in Gilgit and Skardu region. Dr. Javed Abbas Bangash, PSO, Mr. Muhammad Farhan Nasir, Sr. ILO and Dr. Ghulam Mohiuddin Paracha, SO from PCSIR Labs Complex Peshawar (PLC) participated in the event. The team from PLC ensured full technical support/services in the form of trainings on food processing and preservation. The participants were trained on the Quality Management and Food Safety standard (ISO 9001/22000) by the experts of M/s Bureau Veritas Pakistan to help SMEs for exporting their products.



PCSIR LABS COMPLEX LAHORE PROVIDES INTERLABORATORY COMPARISON (ILC) TESTING FACILITY TO POF MINERAL TESTING LABS

Mr. Abdul Malik (General Manager) and Mr. Muhammad Iqbal (Manager) from PMT Labs, Pakistan Ordnance Factory, Wah Cantt visited PITMAEM, PCSIR Labs Complex Lahore (LLC) on October 25, 2022.

The purpose of visit was to conduct the Interlaboratory Comparison (ILC) testing of samples as per requirement of ISO 17025 accreditation. The PMT team observed all the procedures for the mechanical physically witnessed the mechanical, chemical composition and coating thickness testing.



PLI MEETS WITH STAKE HOLDERS

PCSIR Labs Islamabad (PLI) officers Dr. Tahseen Aslam (Director), Dr. Uzma Rashid (SSO) and Mr. Abdullah (Marketing Officer) conducted a collaborative meeting regarding Plastic Tile quality consultation with Saaf Mahol Project by Pak Mission representative Ms. Sumbal Amjad, Project Manager, Climate Action Programme and Ms. Saima William, Thematic Lead, Climate Action Programme on November 10, 2022.



PREPARATION OF HEMP BASED FATLIQUOR FOR LEATHER PROCESSING INDUSTRY

A fatliquor prepared from hemp seed oil has been applied on wet blue and showed excellent properties of Fatliquor comparable to a commercial one. It was found to produce finished natural leather with excellent softness, fullness, hundred percent fixation and lubrication, only in low uptake during leather processing at Leather Research Center, (LRC) PCSIR, Karachi. Fatliquored leather is found to possess a good quality finish with excellent properties.



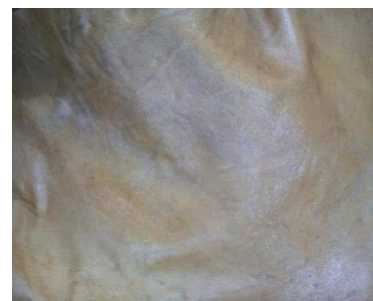
Wet Blue Leather



Aqueous emulsion of prepared fat liquor



Leather Processing of Wet Blue with fatliquor "Hempfat"



After Application on Goat Wet Blue Leather

LECTURE ON "THE RNA INTERFERENCE" AT SALIM HABIB UNIVERSITY

Dr. Kanwal Abbasi, SSO, PCSIR Laboratories Complex Karachi (KLC) was invited to give lecture on "The RNA Interference" at Department of Biosciences, Salim Habib University Karachi on November 23, 2022.

The PCSIR researcher delivered a comprehensive lecture about the RNA



Interference Technique and shared her research work in this field with the students. This unique technique has numerous applications in the field of health science, agriculture and biotechnology.

TRAINING / WORKSHOP ON “CAPACITY BUILDING ON REGULATORY GUIDELINES”

Dr. Uzma Rashid, SSO, PCSIR Labs Islamabad attended Training / Workshop on “Capacity Building on Regulatory Guidelines” at Board of Investment, Islamabad (BOI) on December 12, 2022. The objective of the session was to prepare the focal persons to carry out necessary activities for the implementation of regulatory modernization in their respective domain over the next two years.



STUDENTS FROM BAHRIA UNIVERSITY KARACHI VISIT LEATHER RESEARCH CENTER (LRC)

Students from Bahria University of Karachi visited Leather Research Center (LRC), PCSIR, Karachi on December 28, 2022 to seek guidelines on the Principles of Organizational Management. Dr. Muhammad Kashif Pervez, Director LRC provided guidance regarding the topic to the BBA students. Later they visited the labs to see the work being executed under the principles of management system of LRC.



VISIT OF COMMTEL TO FRC-PCSIR KARACHI

Mr. Afzal, Surveyor, COMMTEL (Pvt.) Ltd. accompanied with Mr. Wasi Ahmed Shaikh, Technical Assistant, MIS, PCSIR Laboratories Complex, Karachi visited Fuel Research Centre-PCSIR on November 16, 2022. The purpose of the visit was to finalize the layout for cable placement plan from Data Centre to different division of FRC under the PSDP project “Digital Transformation, Strengthening and Automation of PCSIR”



PCSIR LABS ISLAMABAD OFFICERS ATTENDED INTERNATIONAL CONFERENCE ON CLIMATE CHANGE

Dr. Muhammad Tahseen Aslam, Director, PCSIR Labs Islamabad, Dr. Uzma Rashid, SSO and Ms. Ammarah Kanwal, SO virtually attended “International Conference on Innovation, Technology Transfer and Cooperation for Addressing Climate Change” on December 06, 2022 organized by Asian and Pacific Centre for Transfer of Technology (APCTT). APCTT is a regional institute of United Nations Economic and Social Commission for Asia and the Pacific (ESCAP).

JALSA E SEERAT UN NABI ﷺ COMMEMORATED AT PCSIR LABS COMPLEX KARACHI

PCSIR Laboratories Complex Karachi (KLC) commemorated Jalsa e Seerat-un-Nabi ﷺ on October 25, 2022 with great religious zeal and fervor. This pious congregation was attended by all employees of PCSIR Laboratories Complex Karachi. A large number of ex-officials of KLC also attended the gathering. A well-known Naat khawan recited Naat e Rasool e Maqbool ﷺ, some of employees of KLC PCSIR also presented Nazrana e Aqeedat to Rehmatul lil Aalamin ﷺ. Renowned religious scholar Mufti Muhammad Qasim Attari addressed the attendees. On the occasion Fateha khawani was also offered for the departed souls of ex-employees of PCSIR Labs Complex Karachi who left this world during past few years.



EID MILAD-UN-NABI ﷺ WAS CELEBRATED AT PCSIR LABS. COMPLEX, LAHORE

Eid Milad-Un-Nabi ﷺ was celebrated at PCSIR Labs. Complex, Lahore on October 14, 2022. Mehfil-e-Naat was arranged to invigorate this pious occasion.



PLANTATION DRIVE AT PCSIR LABS COMPLEX KARACHI

PCSIR Laboratories Complex Karachi (KLC) has been participating in the Clean & Green Pakistan Initiative for the past many years. This year plantation day was held on November 17, 2022. The Director General, KLC, Director (P&D), all Head of Centres & OICs participated in the by planting saplings. The plantation campaign was to mitigate the adverse effects of the climate change and to restore the ecosystem.



PATENT OBTAINED

Title: A process for the production of Laxative Syrup
Inventors: Dr. Nighat Sultana (CSO, KLC), Mr. Mamood-ul-Hasan (PSO, KLC)
Patent No. S.I. No 144017 dated: Sept. 19, 2022