

2020 - Vol.XI, No.2



Capital University of Science and Technology Islamabad

NEWSLETTER



Orientation Spring 2020

Capital University of Science and Technology (CUST) organized orientation/welcome party for newly enrolled students. The session was held on February 15, 2020. The event was arranged to give brief overview to the newly enrolled students regarding curriculum, university rules and regulations as well as teaching methodology etc.

Dr. Muhammad Mansoor Ahmed, VC of the University addressed the students and welcomed them. He informed the students that you are a mix of unique and talented students who have come to join us from every corner of the country. We are all happy and excited to receive you as newly born members of this great family

known as CUST family. The CUST community consists of academicians, administrators, and support staff all who are dedicated to ensure that you achieve your goals effectively.

Your joining CUST comes with a lot of expectations on your part, parents, colleagues and lecturers. All of us have one thing in common, and that is to see you succeed in your studies, failure to do so will lead to disappointments and frustrations and we are expecting that you will not disappoint us. We have endeavored and we shall continue to provide facilities in the form of books, workshops/ laboratories in order to facilitate the programs.

After the briefing session, students were taken on a campus tour, including the library, academic blocks and other important sections.



Essential Ingredients of a Successful Life

Faculty of Pharmacy organized a seminar on January 21, 2020 on the topic entitled "Essential ingredients of a successful life". The guest speaker, Prof. Dr. Nadeem Irfan Bukhari, a well-known figure in pharmacy circle and academician is currently working as a Dean Faculty of Pharmacy at University of the Punjab, Lahore.

This event was arranged to encourage students and help them recognize the meaning of success. The guest speaker emphasized the importance of looking at success and failure through diverse perspectives. It was highlighted with applied examples from the speaker's life that how to explore your unseen potential and employ them to live a fruitful life. He further elaborated the value of Devotion, hard but smart work, consistency, never stop learning

approach and welcoming attitude towards positive change can contribute actually well on the way to prosperity.



Recreational Trip for PharmD Students

The Department of Pharmacy, Capital University of Science & Technology, organized a one-day recreational trip for the students of Pharm.D. on February 01, 2020 to “Katas Raj Temple” and “Kallar Kahar Lake”, Chakwal. Head of Pharmacy department, Dr. Muzaffar Abbas, led the trip.

During the trip, faculty members briefed students about the historical background of these locations. Students and faculty members relished and acknowledged the healthy activity of the department.



Faculty of Pharmacy Icebreaking Session with Pharmaceutical Industry

In pursuit of academia-industry liaisons, an “Icebreaking Session with Pharmaceutical Industry” was conducted by Office of Research Innovation and Commercialization (ORIC) in collaboration with the Faculty of Pharmacy on 27th Feb, 2020. The visit was purposed to have an interactive session with the representatives of pharmaceutical Industry for their valuable input in preparing a student with the skills, expertise and knowledge that can meet industrial demands. The session also focused on how to bridge the Industry and academia to collaborate for solution of local industrial problems. Guests from renowned

pharmaceutical Industries including Shaigan Pharma, UniMark Pharma, Amson Pharma, Bio-Labs and Agror Pharma participated in the session. The forum presented an opportunity for discussion between the faculty from the Department of Pharmacy and Industrial representatives.

Some of the outcomes of the discussion to be focused on were:

- Students along with their academics should also be provided with adequate technical skills so that they can adopt easily in the pharmaceutical industry
- Students should be provided visits to pharmaceutical industries so that the practicality of the subjects can be understood more effectively
- High Tech Lab under one roof may be build; this will be attractive both for Industry and graduate students
- Career counseling should be provided to students.



How Pakistan managed with COVID-19 Pandemic Situation

Faculty of pharmacy organized a seminar on “How Pakistan managed with COVID-19 Pandemic Situation” for pharmacy students and faculty on May 15, 2020 through video link. The guest speaker was Dr. Muhammad Haseeb Tariq, Assistant Director Drug Regulatory Authority of Pakistan (DRAP), Islamabad. Dr. Muhammad Haseeb Tariq enlightened the audience about COVID-19, its mode of transmission, sign and symptoms, current statistics, therapeutic options, clinical management guidelines, and clinical trials in Pakistan. Dr Muzaffar Abbas, Dean Faculty of Pharmacy thanked Dr. Muhammad Haseeb Tariq for sharing his valuable thoughts and experience with the audience. Moreover, the active participation and interest of pharmacy faculty, students and staff was highly acknowledged.

Medicinal plants and Drug Discovery

The Department of Pharmacy organized a seminar on February 12, 2020 on “Medicinal plants and drug discovery”. The guest speaker was Prof. Dr. Ghulam Abbas Miana, who is currently working as Rector, Advisor to Vice-Chancellor, as well as Director Research of Riphah Institute of Pharmaceutical Sciences. Riphah International University,

Online Literary Festival 2020 (OLF-20)

The Faculty of Pharmacy organized an Online Literary Festival (OLF) 2020 on calligraphy, painting, sketching, debate and poetry during the pandemic from April 21, 2020 to April 27, 2020. The students actively participated in different activities and took OLF 2020 as a token of appreciation from the department to manage study and extracurricular activities side by side. Dr. Muzaffar Abbas, Dean faculty of Pharmacy announced the winners of different activities. He further appreciated the active participation of the students and efforts of the faculty members and staff in making the festival successful.

Intra-University Competition HITEC Olympiad 2020 Civil Engineering Department

HITEC Olympiad was held from March 04, 2020 to March 06, 2020 in which students of Civil Engineering Department participated actively in 15 events. Out of these

Islamabad.

This event was arranged to motivate students and help them understand the basic concepts of alkaloidal drugs, their extraction, isolation and characterization. Our honorable guest speaker highlighted the importance of medicinal plants of Pakistan as a great national interest. He further explained about the isolation and establishment of the structure of a large number of interesting and novel compounds such as Pakistannine, Pakistanmine Baluchistanamine, and Baluchistanine. The compounds discovered by Professor Miana, are valuable addition to both the literature and the knowledge of Natural Product Chemistry.



events civil engineering student won declamation contest and stood runners up in bridge building and sketching competition. The performance of other participating student was also outstanding.



AWARENESS OF CORONAVIRUS DISEASE

A seminar on “Awareness of Coronavirus Disease” was organized by the Department of Bioinformatics and Biosciences, Faculty of Health and Life Sciences Capital University of Science and Technology Islamabad under the GENIX society on February 27, 2020 at 12:30 P.M in Auditorium-1 under the supervision of Dr. Erum Dilshad, Patron GENIX.

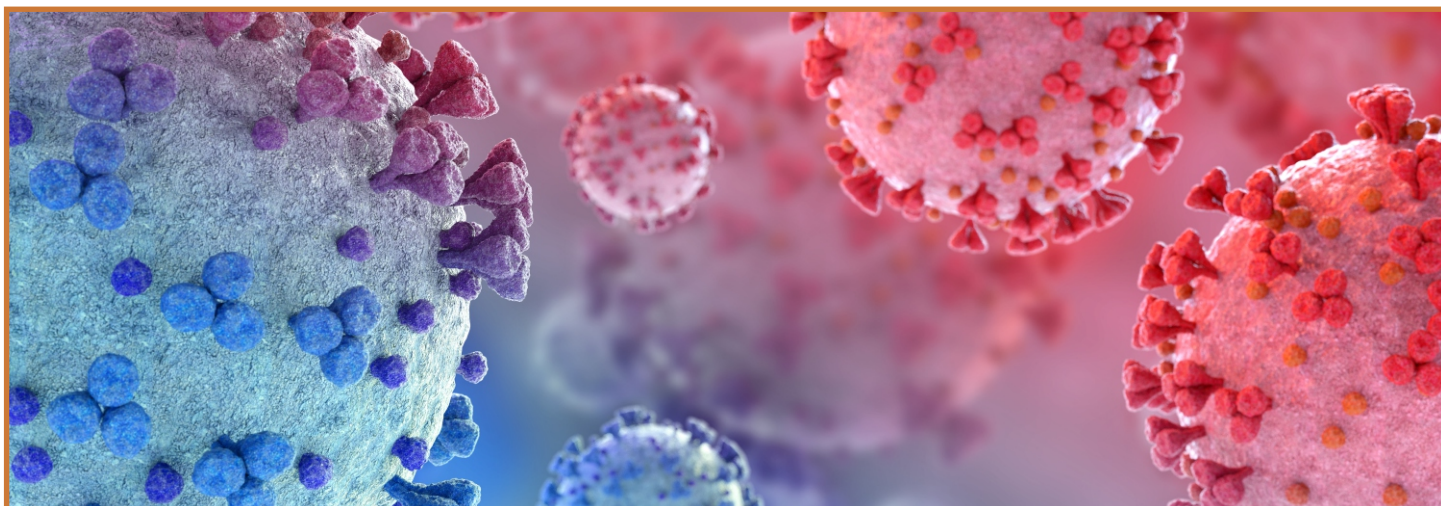
Ms. Samra Hayat Khan hosted the event. The program started with the recitation of Holy Quran followed by an introduction of the guest speaker. The guest speaker was Dr. Samra Bashir, Professor, Department of Pharmacy CUST. Dr. Samra Bahir, started the seminar with a brief introduction of Coronavirus. Further she elaborated on how many different types of strain of the Corona viruses are present and that the current COVID-19 was a novel strain which was different from the previous viruses detected and found of the Corona virus family. Moreover, the guest speaker gave a detailed information on how the virus has spread and what are the sources of its outbreak that transferred virus to humans through animals mainly, such as bats. It is a contagious virus that could spread rapidly from person-to-person but has a mild effect. The incubation period is 2-14 days after which the virus is detected. Precautionary measures were also discussed by the speaker such as washing your hands thoroughly, wearing masks, and visiting your doctor if the infected individual has symptoms such as fever, dry cough and flu. This was the third virus detected in three decades which had caused respiratory issues. First was SARS (Severe Acute Respiratory Syndrome), second was MERS-CoV (Middle Eastern Respiratory Syndrome Corona Virus) and the COVID-19 novel Corona Virus. Recently 2

cases were reported of individuals infected by the corona virus in Pakistan, one was in Karachi and the other in Islamabad. China is in the midst of an epidemic caused by an emergent strain of coronavirus. The World Health Organization formally named the disease COVID-19, and the Coronavirus study group named the underlying virus severe acute respiratory syndrome coronavirus 2, or SARS-CoV-2. A cluster of unusual pneumonia patients was first



detected in late December, 2019 and the novel coronavirus was officially identified as the reason on January 8, 2020. To date, it has caused over 78,000 confirmed cases and 2,445 confirmed deaths, primarily in the Hubei province of China. It has spread to 29 countries or territories so far, including the United States, which has 14 diagnosed cases, and an additional 21 cases in individuals who were flown back to the US after infection. One US citizen has died of the virus in Wuhan, China.

Lastly, the seminar was concluded and question and answer session occurred, where students and faculty members interacted with the guest speaker in a discussion. Afterwards the guest speaker was taken for tea by the GENIX Patron Dr. Erum Dilshad.



V3 Western workflow

The Department of Pharmacy, CUST arranged a seminar on “V3 Western work flow and droplet Digital PCR” from Bio-Rad on January 23, 2020. Dr. Alan Lowton & Dr. Ashan Musesafer, enlightened the faculty of Pharmacy Department about various vertical gel electrophoresis instruments, their unique features, ease of use and time saving and droplet Digital PCR which quantifies exact copy of mRNA.

The outcomes of seminar were a quick insight to the available options of vertical gel electrophoresis, features

that make them exclusive for figuring out precise mRNA copies and their user-friendly nature.



Initiation of Certification Courses at CUST

Continuing education and certification courses not only help an individual to showcase his/her competency, commitment for the profession, but they also build expertise in his/her professional area, and help with job advancement. These courses not only provide training on various aspects of subject but also deliver detailed knowledge and skills required to perform real-world job responsibilities.

Keeping in view the significance of these courses for Industry personnel, Office of Research, Innovation and Commercialization (ORIC) initiated specific one semester long Certificate Courses in Spring-2020 for professionals and practitioners, who intend to develop job skills and professional growth. The eligibility criteria for the particular courses was having minimum 16 years of education in the relevant discipline. The classes for each course were held once in a week from 6 PM – 9 PM in the evening to facilitate the industry professionals. A total of 16 professionals were registered in four different certification courses. Keeping in mind the success of these courses and as per recommendation of departments, ORIC has again advertised and offered certification courses for Fall-2020 and found promising response from various organizations.

Virtual Training Session on Recent Approaches in Literature Review

Literature review is a survey of scholarly sources on a specific topic. It provides an overview of current knowledge allowing you to identify relevant theories, methods and gaps in the existing research. Conducting a literature review involves

collecting, evaluating and analyzing publications, such as books and journal articles that relate to research questions. Keeping in view the significance of this topic for students especially during pandemic lockdown, ORIC organized an Online Training Session entitled “Recent Approaches in Literature Review” on June 09, 2020. The session was held on Microsoft Teams under “ORIC Seminars Team”. The objective of the particular session was to enlighten CUST faculty members, research scholars and students with the updated knowledge about the most recent practices in Literature Review. A total of 22 participants including faculty members and research scholars from various departments attended the seminar. The resource person for the particular session was Dr. Lakhi Muhammad, Assistant Professor, Management Sciences Department, CUST. The session ended on a high note and proved to be a great source of knowledge and acquaintance for the participants, and research scholars in particular.

Online Session on Avoiding Depression During University's Academic Tenure

Office of Research, Innovation and Commercialization Conducts Training Sessions/Seminars on depression and load management for research scholars and students on continual basis. An online session on a similar topic entitled “How to Avoid Depression During University's Academic Tenure” was held on July 21, 2020. The session was held on Microsoft Teams under “ORIC Seminars Team” which is specifically created by ORIC for its Online workshops, seminars and similar activities. The objective of the particular session was to educate students about how to cope with the depression and uneasiness during their academic period. The resource person for the particular

session was Engr. Qazi Abdul Moqueet, Lecturer, department of Electrical Engineering, CUST. The speaker educated the addressees about the effective practices and routines to effectually avoid rigorousness and associated depression during University education. The participants included the undergraduate students of various departments. The seminar lasted till 1:30 PM including Q/A session. The session concluded with the vote of thanks, to the resource person by the Assistant Director ORIC.



Certificate Distribution Ceremony of FYPs Business Plan Competition

The Certificate Distribution Ceremony of FYPs Business Plan Competition was held on February 27, 2020. The event was organized by the Office of Research, Innovation and Commercialization to instigate the students for their innovative project ideas and explicit business plans. Prof. Arshad Hassan, Dean FMSS was chief guest at the occasion.



The faculty members/project supervisors of award winning FYPs and students were present at the event. The event started with the recitation of a few Verses from Holy Quran. The chief guest and faculty members were briefed about

the particular competition and the evaluation procedure adopted. Subsequently Dean FMSS was invited for certificates distribution among the students.

After the distribution of certificates, Dean FMSS delivered a brief talk. He inspired the students about their endurance and highlighted the importance of business plans in present age of commercialization. He appreciated the efforts of students and highlighted the significance of entrepreneurship and marketing the product in the present age of commercialization. The faculty members wished that such type of awards and funding should be conducted on continual basis. They also agreed on interdepartmental collaborations and joint projects for better progression of students and faculty.

Online Seminar on Teaching Techniques for Virtual Learning Environment (VLE)

Office of Research, Innovation and Commercialization assisted and collaborated with Quality Enhancement Cell (QEC), CUST to conduct a series of online training sessions/seminars for training of faculty members about the Virtual Learning Environment (VLE) and online education system during COVID-19 Pandemic. In this regard, the virtual session entitled “Online Teaching Techniques” was held on July 08, 2020. The session was held on Microsoft Teams under “VLE Seminar Team” which is specifically created for training sessions/seminars related to online teaching. The objective of the particular session was to educate CUST faculty members about some effective online teaching techniques. The resource person for the particular session was Dr. Ahsan Mahmood Ahmed, Assistant Professor, Department of Management and Marketing, CUST. Dr Ahsan is an enthusiastic, energetic and motivated professional having almost 6.5 years of teaching experience and 4 years of overseas experience in the areas of Human Resources and Administration as well as Customer Services. The participants included the faculty members across various departments. The talk ended on a high note and proved to be a great source of knowledge and acquaintance to the participants.

Virtual Session on Difficulties faced by Students and Faculty in VLE Classes

Office of Research, Innovation and Commercialization in collaboration with Quality Enhancement Cell (QEC), CUST conducted a virtual session entitled “Difficulties faced by

Students and Faculty during VLE Classes” on June 05, 2020. The session was held on Microsoft Teams under “VLE Seminar Team” which is specifically created for training/sessions/seminars related to online teaching. The objective of the particular session was to discuss and find solutions about major problems faced by students and faculty in CUST online education system. The resource person for the particular session was Dr. Irfan Anjum Manarvi, Professor, Mechanical Engineering Department, CUST. The participants included the faculty members across various departments. The talk ended on a high note and proved to be an interactive session with regard to online teaching related issues.

Online Seminar on Managing and Implementing Change with respect to COVID-19

Office of Research, Innovation and Commercialization conducted a series of online training sessions/seminars for knowledge building/enlightenment of faculty members, research scholars and students about the most recent subject matters during COVID-19 Pandemic. The seminar entitled “Managing and Implementing Change with respect to COVID-19” was held on July 09, 2020. The session was held on Microsoft Teams under “ORIC Seminars Team”. The objective of the particular session was to educate CUST faculty members, research scholars and students with the updated research and comprehension about Change Management in COVID-19 pandemic. The resource person for the particular session was Dr. Muzaffar Asad, Assistant Professor, Department of Management and Marketing, University of Bahrain. Dr Asad is an internationally acclaimed trainer and has conducted several trainings in the domains of Communication Skills, Leadership, Entrepreneurship, SPSS, Smart PLS etc., at various academic and professional institutes. The speaker educated the addressees about the current practices and methodologies adopted worldwide to

effectively implement and adapt to the changes transpired as a result of COVID-19 pandemic. The participants included the faculty members and students across various departments. The talk ended on a high note and proved to be a great source of knowledge and acquaintance to the participants.

Visit of high Level Delegation from Harbin Engineering University, China to CUST

A high level delegation of 6 senior academicians from Harbin Engineering University (HEI), China led by Prof. Ding Xuezhong, visited Capital University of Science & Technology, Islamabad on January 15, 2020. The meeting started with the brief introduction of CUST faculty team about their educational profiles and research expertise presented by Dean Faculty of Engineering, Prof. Imtiaz Ahmad Taj. This was followed by the corresponding introduction by visiting team from Harbin Engineering University about their academic and research backgrounds, presented by Vice Dean, International College (HEI), Prof. Ding Xuezhong. Dean Research & Innovation, Prof. Aamer Iqbal Bhatti updated the officials about the research collaborations of CUST with academia and industry. The guests were amused to know the research expertise and sound industrial background of CUST faculty members. The Chinese delegation presented a brief overview about HEI and research and development expertise of its faculty. He named a few areas like Ship Building Technology, Underwater Acoustic and Nuclear Science Technology on which HEI is investing heavily and have collaborations with leading Pakistani organizations. The delegation also took keen interest and talked about workable Joint Research Lab/ Center and wished to endure the research collaboration with CUST. The guests presented the HEI mementos to Dean ORIC and Dean Faculty of Engineering, CUST. The guests were also acknowledged with CUST mementos by Dean ORIC followed by a group photo.



Microsoft Teams Training

An online training seminar on Microsoft Teams was organized by the Quality Enhancement Cell (QEC) on May 04, 2020. Mr. Salman Ahmed, Lecturer Computer Science Department was the Resource Person. Around 90 faculty members from all the departments of university attended the online training seminar. The resource person gave a comprehensive presentation covering major aspects of Microsoft Teams. The presentation majorly focused on the mechanism of effective online teaching on Microsoft Teams. The speaker highlighted the problems faced during online classes and discussed how to avoid them. It was an interactive session where participants actively interacted with the resource person to learn from his knowledge and experience. Dr. Amir Qayyum, Dean QEC laid emphasis on the importance of capacity building of faculty staff for effective online teaching. He also showed his pleasure to note that the seminar was able to achieve its most important objectives. At the end of seminar, he thanked the resource person and all the participants for their participation.

Faculty Training on Online Assessment of Cognitive Nature Activities from Question Design to Marking

An online training session entitled “Online Assessment of Cognitive Nature Activities from Question



Design to Marking” was organized by the Quality Enhancement Cell of CUST on May 13, 2020. Dr. Majid Ali,

Professor Civil Engineering Department was the resource person. The objective of this workshop was to enlighten the faculty members with the assessment of cognitive domain activities in online classes. The training session covered the areas including OBE brief overview, conventional vs online teaching, cognitive domain assessment in its different taxonomy levels and assessment of cognitive domain activities in online classes. The event was attended by around 70 faculty members from all the departments of CUST. It was an effective session where participants actively interacted with Dr. Majid Ali. Dr. Amir Qayyum, Dean QEC in his concluding remarks expressed his satisfaction to note that the training session was able to achieve its objectives. The respected presenter was acknowledged by Dean QEC for deliverance of provocative knowledge and successful conduct of the seminar.

Faculty Training on Evaluating Learning Online: Designing Open Book Exams

Capital University of Science & Technology has given special focus to the capacity building of faculty for effective online teaching, specially after the situation of COVID-19. Regular training sessions were conducted to enhance the online teaching skills of faculty members. A session of this training series was conducted on Wednesday, May 20, 2020. More than 65 faculty members participated in this training session from all the departments of university. Dr. Sabahat Haqqani, Assistant Professor from Management Sciences Department was the resource person of this session entitled “Evaluating Learning Online: Designing Open Book Exams”. Several important insights and action items were accomplished through this training session. It focused on designing online assessment from andragogic perspective to allow teachers help students demonstrate achievement of their course learning outcomes in a fair, reliable and valid manner. The training session covered the key elements of well-designed open book assessment in accordance with the limitations and strengths of the online environment. Examples of best practices were demonstrated for structuring and crafting questions for online open book examinations. Dr. Amir Qayyum, Dean QEC in his concluding remarks expressed his satisfaction to note that the resource person has made all efforts to create a good understanding of designing open book exams. Faculty members participated whole heartedly in this session and made best use of their time.

Webinar Session on “Skill Development and GPA Conundrum”

On June 12, 2020, IEEE CUST Student Branch organized a webinar session regarding “Skill Development and GPA Conundrum” on Cisco WebEx Meetings in collaboration with IEEE Islamabad Section. The speaker was Mr. Qazi Abdul Moqueet, Patron IEEE CUST Student Branch, and a motivational speaker. The session started at 5:00 pm. Mr. Qazi Moqueet enlightened the participants with a dark reality i.e., students’ obsession with GPA in society. He mentioned that GPA should not be the measure to judge and evaluate a student’s intellect as GPA obsession restrains creativity. He emphasized on a point that students should focus on their skill development rather than worrying about securing GPA because, in the end, a good GPA without any skill is just a number that will have no importance in professional life. The session ended at 6:00 pm.

in life, and there is no way out, and if one wants to make life improvements, pressing “The Reset Button” of life could solve one’s problem. The session ended at 1:00 pm.



Webinar Session on “The 5 Levels of Leadership”

On June 19, 2020, IEEE CUST Student Branch organized a webinar session regarding “The 5 Levels of Leadership” on Zoom Cloud. The speaker was Engr. Fareed Qureshi, a motivational speaker, and an engineer. The session started at 5:00 pm. Mr. Fareed told participants, the true meaning of “Responsibility” and how it is different from the one that is generally known. He also enlightened participants to understand the importance of responsibility in achieving day-to-day tasks. At last, he also put light on, how to handle challenges of life with responsibility and under pressure. The session ended at 6:20 pm.

Webinar on “Working from Home”

On June 17, 2020, IEEE CUST Student Branch organized a webinar session regarding “Working from Home” on Zoom Cloud in collaboration with Muhammad Osama Ali, a motivational speaker. The session started at 03:30 pm. Mr. Osama Ali enlightened participants by sharing different incidents and discoveries in the past and their impacts on today’s world. He also motivated participants by sharing his experiences of “Working from Home”. In the end, he inspired the participants to make themselves productive and enhance their focus. The session ended at 05:00 pm.



Webinar on “The Reset Button”

On June 04, 2020, IEEE CUST Student Branch organized a webinar session regarding “The Reset Button” on Zoom Cloud in collaboration with Muhammad Zain, a motivational speaker, and an engineer. The session started at 12:00 pm. Mr. Zain enlightened participants by sharing different incidents and discoveries in the past and their impact on today’s world. He also motivated participants by sharing his life experiences to strengthen the importance of “The Reset Button”. At last Mr. Zain told that if one is surrounded with difficulties

CUST ICONS

Dr. Muzaffar Abbas

(DEAN FACULTY OF PHARMACY)

Q1: Tell us about the highlights in your teaching career uptill, date and how they prepared you for the role of a good Dean.

A: It is a privilege to be the Dean of an amazing and excelling faculty; Faculty of Pharmacy, with praiseworthy and dedicated faculty members and intellectual students. It is an honor for me to be associated with Capital University of Science and Technology (C.U.S.T.) which gives adequate importance to curricular and co-curricular activities.

As a teacher, I enrich students not just through core educational skills but also through analytical skills. I am giving them what our students succeed and know that they have achieved all the skills they need in their future career.

For me teaching is not all about learning Pharmacy Education. It's about building self-confidence, making friends, learning about different cultures, work in a team, attending seminars, participating in sports activities and helping colleagues. For me, teaching should emulate a conducive feeling and create a friendly learning environment.

In university, every day is different and challenging. Each day, I get a chance to teach new and emerging notions that can help and prosper young minds. I feel honored to see smile on students' faces while at campus.

Q2: Being a dean is a job that demands high organizational skills. How do you manage to keep on top of your work?

Dean is an important component to the vision and planning of a faculty. Dean works in every facet of academia such as maintaining high level retention of students and academic excellence. In my view, scheduling, prioritizing, and managing tasks are the elements that an organization looks for. At the end of each day, I conduct my daily time audit that helps me to figure out how much of time is spent on unproductive conversations and activities. I never attempt to start my day without an organized to-do list.

Another important element is planning, I always plan well ahead to ensure that I have a stress-free weekend. I always set my "out of office" messages to my academic officer in case if I am not available or who to call if anyone needs immediate assistance. Going early to the university helps me to catch up and tie up any loose ends that need further attention. This also helps me to be ready for whatever new tasks come in my way.

Further, I focus on the task at hand and block out all distractions. This might increase productivity as occurs from one task to another. I am also well organized and create a filing system for

all documents. Therefore, doing a thing once has the benefits forever.

Q.3 It has been four years that you are working at CUST. Tell us about your experience?

A: I joined C.U.S.T. in July 2018 and I feel honored and proud that I am the part of C.U.S.T. family. The university believes in effective sharing of goals with its employees and keep mission and vision of the organization on board. Employees understand what is required to reach these shared goals and make every effort to achieve them. Further, university management depends on team work and offers its assistance to achieve common goals.



One of the prime objectives of the university is to train its faculty through faculty development week to enhance its faculty members' teaching and research-related skills. During this week faculty get enough training to strengthen their research potentials. Our university also provides good leadership opportunities to its employees. The university confronts poor performance instead of ignoring it on the part of faculty. The Quality Enhancement Cell (QEC) at the university is evaluating students' feedback and takes corrective measure to improve faculty performance. The faculty feedback on courses and job satisfaction is also taken and given its due importance. Further, university is improving the quality of education through the conduct of the board of studies and board of faculty meetings. The university also understands the risk and takes quick measures as needed.

The management at C.U.S.T. is highly cooperative and approves what is needed to provide quality education to its students. I have experienced the professional attitude of university management and friendly and conducive environment of the university. C.U.S.T. has provided me the opportunity to enhance students' educational experiences and provide them with the required resources so that students can gain expertise in their relevant fields.

Q4. What measures should be followed to ensure a safe learning environment and a better future for the students of Pharmacy?

A: Students excel in their career when they feel physically, psychologically, and socially comfortable in their classrooms. Safe learning environment allows students to express their views and thoughts honestly. In my view, students learn best when they feel safe; in fact, an unsafe classroom environment is not conducive for students' learning. Emotionally stable students also learn better as they feel being supported at all the times. Safe environment encourages students to freely participate in class activities as their opinions are noticed.

The safe learning environment can be created through using language that can be understood by all students in the classroom. Class instructors should encourage students to solve their problems on their own and give them a chance to work in a team with positive interaction. Further, instructor's movement in the classroom helps teaching to be more engaged. It also helps better classroom control. It does not matter which type of question a student asks; instructor should always try to respond to his or her question with respect. Eye to eye interaction with students is extremely important for good learning and classroom control.

Moreover, keeping classroom neat and tidy provides safe learning environment. Taking classes in different classrooms also generate the feeling of safety in the students and keep them active.

Q5: What message would you like to give to the students of Pharmacy department?

Congratulations to Pharmacy students on the pursuit of doctor of pharmacy (Pharm.D) degree. The dynamic, challenging and quality curriculum for Pharm.D program prepare students for lifetime of professional fulfillment, development and growth in different practice settings as a licensed pharmacist. I am sure you will find pharmacy profession to be highly rewarding with plenty of career opportunities to cater the needs of society I am hopeful you will consider C.U.S.T. faculty of Pharmacy, a national leader in pharmacy education.

As we all know that good study habits are required for success. I would advise Pharmacy students to take quality and detailed notes during lectures and stay organized as students face constant influx of projects, quizzes, assignments, labs mid and final exams. While jotting down notes, always use separate binder for each course. Students should be motivated to study in groups as it provides opportunity to get involved in detailed discussion, exchange of diverse perspectives on each topic, to identify individual weakness and encourages interpersonal communication skills. Students are advised not to be afraid of asking questions from their class instructors and must see them in their offices for topics that are difficult to understand.

Pharmacy students are usually overwhelmed due to extensive course work load, therefore it is necessary to participate in extracurricular activities to stay healthy. Look for internships in hospitals, retail and community pharmacies, industry and research opportunities during Pharm. D program. After graduation it is possible that students may have handful rejections before they land their dream job. They need to be patient and work hard till they succeed in their professional life.

Wishing you all a very bright professional career!

Q6. Do you wish any change in the university environment in future or in next five to ten years? And what are your contributions towards achieving it?

A: C.U.S.T. offers excellent teaching facilities to its students. The state-of-the-art classrooms and labs, the library, IT labs sports complex, highly managed portal system and cafeterias are also available to facilitate students. Implementation of outcome-based education system and volunteer in service activity are strengths of the university. The university is also providing conducive environment to the faculty where they can excel and enjoy the outcomes of qualitative research outcomes. The office of research, innovation and commercialization (ORIC) at university is working to encourage research and convert it to business practice. This is only possible due to merit-based vision of senior leadership to meet university's strategic goals.

My vision is to strengthen qualitative and innovative research further through continual innovation in creativity, research and entrepreneurship that can be beneficial to the community. I believe that research is at the heart of our heritage. Presently, our fundamental vision is to achieve future goals and address world's most pressing problems. This can only be achieved through the establishment of various research centers related to engineering, pharmacy, biosciences and social sciences to make our generation's life easier, healthier and more sustainable. These centers should be strengthened enough to attract funding from Higher Education Commission (HEC), industry and abroad to make the difference. Although, faculty of pharmacy being newly established faculty with its undergraduate Pharm. D program, it has won National Research Program for Universities (NPRUP) 2021 funding of Rs. 7.1 million from HEC. I believe we can attract more funding from other resources if we focus more on quality research and innovation. The faculty of Pharmacy is running one animal house which in future could be used to generate knock-out and transgenic animals to look into more mechanistic paradigm through which drugs work. Moreover, I believe it is a proper time for C.U.S.T to reach to community. This can be done by working through the establishment of chains of pharmacies under the supervision of qualified pharmacists to deliver their services with the ultimate goal of improving human health.

2nd Conference on Sustainability in Civil Engineering (CSCE'20)

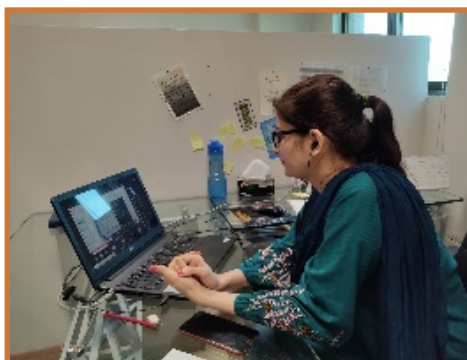
Department of Civil Engineering successfully organized its 2nd Conference on Sustainability in Civil Engineering (CSCE'20) on August 12, 2020. The conference was conducted online in three parallel sessions using MS Teams from 8:30 am to 4:45 pm.

The program started with the recitation of Holy Quran followed by Engr. Iqbal Ahmad by a welcome note from the honorable Dean of Faculty Dr. Imtiaz Taj and respected Head of the Department Dr. Ishtiaq Ahmad. Three parallel online session were conducted for various Civil Engineering specialization.

This year, the department had 6 wonderful and renowned keynote speakers from various Civil Engineering fields. The department received a total of 143 manuscripts

from different countries around the world including UK, Australia, Italy, Vietnam, China, KSA and Pakistan. All papers underwent a comprehensive and critical double-blind review process. The review committee comprised of 42 PhDs serving in industry and academia of UK, Hungary, Australia, New Zealand, Chile, Thailand, China, Malaysia, KSA, Oman and Pakistan. After the screening and review process, 68 papers were selected to be presented in Conference (42 for oral presentations and 26 for poster presentation). Out of these 68 papers, 60 papers were presented (40 through oral presentations and 20 through poster presentations).

The main focus of CSCE'20 was to highlight sustainability related to the field of civil engineering. It aimed at providing a platform for civil engineers from academia as well as industry to share their practical experiences and different research findings in their relevant specializations. The conference was concluded at 4: 45PM with special thanks to the participants and key note speakers.



FACULTY DEVELOPMENT WORKSHOP DEPARTMNET OF BIOINFORMATICS AND BIOSCIENCES

A five-day workshop was organized to develop the skills and thought process of faculty members in order to

cope with various challenges of the time. The workshop consisted of various sessions including writing skills, stress management in lockdown, coping the shift to online teaching to entrepreneurial skills.

Resource Person from various academic and research institutions were invited to share their experiences and discuss the challenges and opportunities in their domain of interest.

LIST OF PUBLICATIONS

- M. T. Khan, A. C. Kaushik, Q. ul ain Rana, S. I. Malik, A. S. Khan, D.-Q. Wei, W. Sajjad, S. Ahmad, S. Ali, M. Irfan et al., "Characterization and synthetic biology of lipase from bacillus amyloliquefaciens strain," Archives of Microbiology, pp.1–10, 2020.
- M. T. Khan, S. Ali, M. T. Zeb, A. C. Kaushik, S. I. Malik, and D.-Q. Wei, "Gibbs free energy calculation of mutation in pnca and rpsa associated with pyrazinamide resistance," Frontiers in Molecular Biosciences, vol. 7, 2020.
- A. Amin, I. Ahmed, N. Khalid, I. U. Khan, A. Ali, S. M. Dahlawi, and W.-J. Li, "Insights on comparative bacterial diversity between different arid zones of cholistan desert, pakistan," 3 BIOTECH, vol. 10, no. 5, 2020.
- H. Mehfooz, A. Saeed, M. Faisal, F. A. Larik, U. Muqadar, S. Khatoon, P. A. Channar, H. Ismail, S. Bilquees, S. Rashid et al., "Facile one-pot synthesis, butyrylcholinesterase and α -glucosidase inhibitory activities, structure–activity relationship, molecular docking and DNA–drug binding analysis of meldrum's acid derivatives," Research on Chemical Intermediates, pp. 1–20, 2020.
- S. Latif, H. Ismail, M. R. Khan, A. A. Rahim, R. Mehboob, E. Dilshad, M. Sajid, S. I. Haider, S. Anwaar, and M. N. Majeed, "Pharmacological evaluation of acacia modesta bark for antipyretic, anti-inflammatory, analgesic, antidepressant and anticoagulant activities in sprague dawley rats." Pakistan Journal of Pharmaceutical Sciences, vol. 33, no. 3, 2020.

- E. Dilshad, H. Ismail, M. A. Khan, R. M. Cusido, and B. Mirza, "Metabolite profiling of artemisia carvifolia buch transgenic plants and estimation of their anticancer and antidiabetic potential," *Biocatalysis and Agricultural Biotechnology*, vol. 24, p. 101539, 2020.
- S. Janjua, I. Hassan, and S. Islam, "Role and relevance of three enabling conditions to resolve inter-provincial water conflicts in the indus basin within pakistan," *Water Policy*, 2020.
- S. Janjua and I. Hassan, "Fuzzy AHP-topsis multi-criteria decision analysis applied to the indus reservoir system in pakistan," *Water Supply*, 2020.
- S. Janjua and I. Hassan, "Transboundary water allocation in critical scarcity condi- tions: a stochastic bankruptcy approach," *Journal of Water Supply: Research and Technology—AQUA*, vol. 69, no. 3, pp. 224–237, 2020.
- S. Janjua and I. Hassan, "Use of bankruptcy methods for resolving interprovincial water conflicts over transboundary river: Case study of indus river in pakistan," *River Research and Applications*, 2020.
- S. Ahmed and M. Ali, "Use of agriculture waste as short discrete fibers and glass-fiber- reinforced-polymer rebars in concrete walls for enhancing impact resistance," *Journal of Cleaner Production*, p. 122211, 2020.
- M. W. Ahmed and M. T. Afzal, "Flag-pdf: Features oriented metadata extraction framework for scientific publications," *IEEE Access*, 2020.
- S. Maqsood, M. A. Islam, M. T. Afzal, and N. Masood, "A comprehensive author ranking evaluation of network and bibliographic indices," *Malaysian Journal of Library & Information Science*, vol. 25, no. 1, pp. 31–45, 2020.
- S. Nazir, M. Asif, S. Ahmad, F. Bukhari, M. T. Afzal, and H. Aljuaid, "Important citation identification by exploiting content and section-wise in-text citation count," *PloS one*, vol. 15, no. 3, p. e0228885, 2020.
- U. A. Chauhan, M. T. Afzal, A. Shahid, M. Abdar, M. E. Basiri, and X. Zhou, "A comprehensive analysis of adverb types for mining user sentiments on amazon product reviews," *World Wide Web*, pp. 1–19, 2020.
- N. Ikram, M. Abdul Qadir, and M. T. Afzal, "SimExact - Anefficient method to compute function similarity between proteins using gene ontology," *Current Bioinfor- matics*, vol. 15, no. 4, pp. 318–327, 2020.
- Q. u. Zaman, A. Nadeem, and M. A. Sindhu, "Formalizing the use case model: A model-based approach," *Plos one*, vol. 15, no. 4, p. e0231534, 2020.
- A. A. Toor, M. Usman, F. Younas, A. C. M Fong, S. A. Khan, and S. Fong, "Mining massive e-health data streams for iomt enabled healthcare systems," *Sensors*, vol. 20, no. 7, p. 2131, 2020.
- M. S. I. Malik, "Predicting users' review helpfulness: the role of significant review and reviewer characteristics," *Soft Computing*, pp. 1–16, 2020.
- U. Ahmed, M. Ahmed, and Q. Memon, "A modified analytical model for algan/ganfinfets I-V characteristics," *Semiconductor Science and Technology*, vol. 35, no. 3, p. 035002, 2020.
- S. Shafique, K. S. Karimov, M. Abid, M. M. Ahmed, and K. M. Akhmedov, "Carbon nanotubes, orange dye, and graphene powder based multifunctional temperature, pressure, and displacement sensors," *Journal of Materials Science: Materials in Electronics*, pp. 1–7, 2020.
- R. Saadia and N. M. Khan, "Single carrier-frequency division multiple access radar: Waveform design and analysis," *IEEE Access*, vol. 8, pp. 35 742–35 751, 2020.
- M. Kamal Mazhar, M. J. Khan, A. I. Bhatti, and N. Naseer, "A novel roll and pitch estimation approach for a ground vehicle stability improvement using a low cost IMU," *Sensors*, vol. 20, no. 2, p. 340, 2020.
- A. Hanif, Q. Ahmed, A. I. Bhatti, and G. Rizzoni, "A unified control framework for traction machine drive using linear parameters varying-based field-oriented control," *Journal of Dynamic Systems, Measurement, and Control*, vol. 142, no. 10, 2020.
- S. Ullah, Q. Khan, A. Mehmood, and A. I. Bhatti, "Robust backstepping sliding mode control design for a class of underactuated electro-mechanical nonlinear systems," *JOURNAL OF ELECTRICAL ENGINEERING & TECHNOLOGY*, 2020.
- R. Ara, U. A. Khan, A. I. Bhatti, and B. W. Lee, "A reliable protection scheme for fast dc fault clearance in VSC-based meshed MTDC grid," *IEEE Access*, vol. 8, pp. 88 188–88 199, 2020.
- M. F. Iqbal, Z. Khalid, M. Zahid, and A. Abdullah, "Accuracy improvement in amplitude comparison-based passive direction finding systems by adaptive squint selection," *IET Radar, Sonar & Navigation*, vol. 14, no. 5, pp. 662–668, 2020.
- M. Shafiq, I. A. Taj, M. Ghafoor, S. A. Tariq, A. Abbas, and A. Y. Zomaya, "Accelerating fingerprint identification using fpga for large-scale applications," *Journal of Parallel and Distributed Computing*, 2020.
- M. Ghafoor, S. A. Tariq, I. Taj, N. Jafri, and T. Zia, "Robust palmprint identification using efficient enhancement and two-stage matching technique," *IET Image Processing*, 2020.
- N. Zahid, J. Jiang, U. Rafique, and D. Eric, "A modified planar square-loop antenna for electronic article surveillance RFID applications," *Journal of Communications Technology and Electronics*, 2020.
- Z. Masood, R. Samar, and M. A. Z. Raja, "Design of fractional order epidemic model for future generation tiny hardware implants," *Future Generation Computer Systems*, vol. 106, pp. 43–54, 2020.
- M. H. Khan, A. Fraz, A. Hassan, and P. Abedifar, "Female board representation, risk-taking and performance: Evidence from dual banking systems," *Finance Research Letters*, p. 101541, 2020.
- S. Saeed and I. Hassan, "Liquidity commonality risk and asset pricing in emerging and developed stock," *NUML International Journal of Business & Management*, vol. 19, no. 2, pp. 92–110, 2020.
- H. Raza, "The impact of downside risk on expected return: Evidence from emerging economies hassan raza, Arshad hasan and abdul rashid."
- S. Ijaz, A. Hassan, A. Tarazi, and A. Fraz, "Linking bank competition, financial stability, and economic growth," *Journal of Business Economics and Management*, vol. 21, no. 1, pp. 200–221, 2020.
- H. Raza, A. Hassan, and F. Gul, "Does pakistan stock exchange pay to bet against the beta," *CITY UNIVERSITY RESEARCHJOURNAL*, vol. 10, no. 1, 2020.
- R. M. Yasin, S. Bashir, M. V. Abeele, and J. Bartels, "Supervisor phubbing phenomenon in organizations: Determinants and impacts," *International Journal of Business Communication*, p. 2329488420907120, 2020.
- S. Azeem, M. A. Zafar, and A. K. Khan, "The grapes are sour: An envier's attributional perspective of coworker impression management," *Journal of Management & Organization*, pp. 1–17, 2020.
- A. Zahra, A. Zulzar, and S. Aziz, "The effect of atmospheric harmony on re patronage intentions among small consumers: the mediating role of hedonic value and the moderating role of past experience," *Journal of Consumer Marketing*, 2020.
- A. Hashmi, S. Ahmed, and I. Hassan, "Optimizing pakistan's water economy using hydro-economic modeling," *Journal of Business &*

Economics, vol. 11, no. 2, pp. 111–124, 2020.

- S. Ahmed, K. Munir, and H. Nadeem, "Relationship between foreign direct investment & financial market developmentevidence from south asian markets, 2020."
- U. Farooq, J. Ahmed, and S. Khan, "Do the macroeconomic factors influence the firm's investment decisions? a generalized method of moments (GMM) approach," International Journal of Finance & Economics, 2020.
- R. Anwar and J. A. Malik, "When does corporate social responsibility disclosure affect investment efficiency? a new answer to an old question," SAGE Open, vol. 10, no. 2, p. 2158244020931121, 2020.
- R. Anwar and J. Ahmed, "Evaluating the moderating impact of family on the relationship between board independence and corporate social responsibility using propensity score matching," South African Journal of Business Management, vol. 51, no. 1, p. 10, 2020.
- J. Khan, M. Jaafar, B. Javed, N. Mubarak, and T. Saudagar, "Does inclusive leadership affect project success? The mediating role of perceived psychological empowerment and psychological safety," International Journal of Managing Projects in Business, 2020.
- S. Hussain, T. Armaghani, and M. Jamal, "Magnetoeconvection and entropy analysis in T-shaped porous enclosure using finite element method," Journal of Thermophysics and Heat Transfer, vol. 34, no. 1, pp. 203–214, 2020.
- M. Zia and R. Ali, "A multi recipient aggregate signcryption scheme based on elliptic curve," Wireless Personal Communications, pp. 1–16, 2020.
- M. S. Ashraf, R. Ali, and N. Hussain, "New fuzzy fixed point results in generalized fuzzy metric spaces with application to integral equations," IEEE Access, vol. 8, pp. 91 653–91 660, 2020.
- M. Zia and R. Ali, "Cryptanalysis and improvement of a blind multi-document signcryption scheme," Cryptologia, pp. 1–15, 2020.
- T. S. Ali and R. Ali, "A new chaos based color image encryption algorithm using permutation substitution and Boolean operation," Multimedia Tools and Applications; Springer: Berlin/Heidelberg, Germany, pp. 1–21, 2020.
- T. S. Ali and R. Ali, "A novel medical image signcryption scheme using tlts and henon chaotic map," IEEE Access, vol. 8, pp. 71 974–71 992, 2020.
- M. Afzal, J. U. Satti, and R. Nawaz, "Scattering characteristics of non-planar trifurcated waveguides," Meccanica, pp.1–12, 2020.
- S. Shafique, M. Afzal, and R. Nawaz, "On the attenuation of fluid–structure coupled modes in a non-planar waveguide,"Mathematics and Mechanics of Solids, p. 1081286520911443, 2020.
- M. Afzal and S. Shafique, "Attenuation analysis of flexural modes with absorbent lined flanges and different edge conditions," The Journal of the Acoustical Society of America, vol. 148, no. 1, pp. 85–99, 2020.
- M. Anwar, R. A. Dur-e Shehwar Sagheer, and N. Hussain, "Wardowski type a-f-contractive approach for nonself multivalued mappings," UNIVERSITYPOLITEHNICAOFBUCHARESTSCIENTIFICBULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS, vol. 82, no. 1, pp. 69–78, 2020.
- R. Sabir, M. M. Khan, N. A. Sheikh, I. U. Ahad, and D. Brabazon, "Assessment of thermo-hydraulic performance of inward dimpled tubes with variation in angular orientations," Applied Thermal Engineering, vol. 170, p. 115040, 2020.
- L. A. Khan and M. M. Khan, "Role of orientation of fins in performance enhancement of a latent thermal energy storage unit," Applied Thermal Engineering, p. 115408, 2020.
- M. A. Khan, S. H. I. Jaffery, M. Khan, M. Younas, S. I. Butt, R. Ahmad, and S. S. Warsi, "Multi-objective optimization of turning titanium-based alloy Ti-6Al-4V under dry, wet, and cryogenic conditions using gray relational analysis (GRA)," The International Journal of Advanced Manufacturing Technology, vol. 106, no. 9-10, pp. 3897–3911, 2020.
- M. Khan and N. Aslam, "Prevalence of caffeine intake among cigarette smokers: Directing caffeine use disorder among pakistani population," Pakistan Journal of Medical Research, vol. 59, no. 1, pp. 15–21, 2020.
- U. Ullah, H. Badshah, Z. Malik, Z. Uddin, M. Alam, S. Sarwar, A. Aman, A.-u. Khan, and F. A. Shah, "Hepatoprotective effects of melatonin and celecoxib against ethanol- induced hepatotoxicity in rats," Immunopharmacology and Immunotoxicology, vol. 42, no. 3, pp. 1–9, 2020.
- A. Khan, Z. Iqbal, S. Nazir, M. Alam, and A. Naz, "Evaluation of emesis control with orally disintegrating tablets and conventional tablets of domperidone: a randomized trial," LATIN AMERICAN JOURNAL OF PHARMACY, vol. 39, no. 1, pp. 29–37, 2020.
- A. Mohsin Alvi, L. Tariq Al Kury, M. Umar Ijaz, F. Ali Shah, M. Tariq Khan, A. Sadiq Sheikh, H. Nadeem, A.-u. Khan, A. Zeb, and S. Li, "Post-treatment of synthetic polyphenolic 1,3,4 oxadiazole compound a3, attenuated ischemic stroke induced neuroinflammation and neurodegeneration," Biomolecules, vol. 10, no. 6, p. 816, 2020.
- S. Iqbal, F. A. Shah, K. Naeem, H. Nadeem, S. Sarwar, Z. Ashraf, M. Imran, T. Khan, T. Anwar, and S. Li, "Succinamide derivatives ameliorate neuroinflammation and oxidative stress in scopolamine-induced neurodegeneration," Biomolecules, vol. 10, no. 3, p. 443, 2020.
- Y. Mehmood, U. Farooq, H. Yousaf, H. Riaz, R. K. Mahmood, A. Nawaz, Z. Abid, M. Gondal, N. S. Malik, K. Barkat et al., "Antiviral activity of green silver nanoparticles produced using aqueous buds extract of syzygium aromaticum," Pak. J. Pharm.Sci, vol. 33, no. 2, pp. 839–845, 2020.
- K. Barkat, and A. Rashid, "Toxicological evaluation of xanthan gum based hydrogel formulation in wistar rats using single dose study," ACTA POLONIAE PHARMACEUTICA, vol. 77, no. 2, pp. 353–360, 2020.
- N. S. Malik, M. Ahmad, M. U. Minhas, R. Tulain, K. Barkat, I. Khalid, and Q. Khalid, "Chitosan/xanthan gum based hydrogels as potential carrier for an antiviral drug: Fabrication, characterization, and safety evaluation," Frontiers in Chemistry, vol. 8, p. 50, 2020.
- N. A. Salam, M. A. Naeem, N. S. Malik, M. Riaz, F. Aslam et al., "Exploring the potential of tianeptine matrix tablets: Synthesis, physicochemical characterization and acute toxicity studies." Pakistan Journal of Pharmaceutical Sciences, vol. 33, no. 1 (Supplementary), pp. 269–279, 2020.
- M. Sona Khan, W. Trenet, N. Xing, B. Sibley, M. Abbas, M. al Rashida, K. Rauf, and C. D. Mandyam, "A novel sulfonamide, 4-fs, reduces ethanol drinking and physical withdrawal associated with ethanol dependence," International Journal of Molecular Sciences, vol. 21, no. 12, p. 4411, 2020.
- M. Imran, L. T. Al Kury, H. Nadeem, F. A. Shah, M. Abbas, S. Naz, A.-u. Khan, and S. Li, "Benzimidazole containing acetamide derivatives attenuate neuroinflammation and oxidative stress in ethanol-induced neurodegeneration," Biomolecules, vol. 10, no. 1, p. 108, 2020.
- F. Khurshid, S. Bashir, and B. Noushad, "Prescription writing through the lens of the threshold concept framework: a narrative review," Res Dev, vol. 9, no. 11, p. 11, 2020.
- B. Nasir, M. W. Baig, M. Majid, S. M. Ali, M. Z. I. Khan, S. T. B. Kazmi, and I.-u. Haq, "Preclinical anticancer studies on the ethyl acetate leaf extracts of datura stramonium and daturainoxia," BMC Complementary Medicine and Therapies, vol. 20, no. 1, pp. 1–23, 2020.

(This list includes only a part of total publications due to shortage of space)

Capital University of Science and Technology

Off Kaak Pul, Sihala Road, Zone-V, Islamabad

UAN: (051) 111-555-666

<http://www.cust.edu.pk>