

## PRIME MINISTER ERSIN TATAR VISITS EMU



The Turkish Republic of Northern Cyprus (TRNC) Prime Minister Ersin Tatar visited the Eastern Mediterranean University (EMU). During the visit on Wednesday 13th May, 2020, Prime Minister Tatar met with President of the EMU Board of Trustees Dr. Erdal Özçenk, EMU Acting Rector Prof. Dr. Hasan Demirel and members of the EMU Board of Trustees. Prime Minister Tatar also attended the Board of Trustees' meeting. During the visit, a report titled "The Effect of Covid-19 Upon the TRNC Economy" was delivered to Prime Minister Tatar, which he had requested and was completed in a very short period of time, by EMU Acting Rector Prof. Dr. Hasan Demirel and EMU academic staff including Business and Economics Faculty Vice Dean Prof. Dr. Mustafa Ismihan, Chair of the Economics Department Prof. Dr. Mehmet Balçılar, Department of Economics teaching staff and Report Coordinator, Assoc. Prof. Dr. Hasan Güngör, Economics Vice Chair Assoc. Prof. Dr. Kamil Sertoğlu and Economics Department teaching staff Dr. Yenal Süreç.

### **"EMU's Opinion and Advice is Very Important"**

In a statement made during his visit, Prime Minister Ersin Tatar stated that online education continues. He specified that the TRNC is a country that has left behind the COVID-19 pandemic, and that with the precautions taken and the with the struggle displayed, that we have overcome the epidemic in the lightest way possible. Prime Minister Tatar stated that it is necessary to continue being cautious and not to be

compromised. Prime Minister Ersin Tatar emphasized that, with the decisions taken in line with the recommendations of the World Health Organization and the public's compliance with these decisions, the opinions and suggestions to be given from an institution such as EMU regarding overcoming problems and plans and programs for the future are very important. Prime Minister Ersin Tatar also mentioned the successful works of EMU in his speech.

### **"EMU is the Flagship of TRNC"**

Emphasizing that EMU will continue its success as the flagship of TRNC as it has been until today, Prime Minister Tatar said, "EMU is a very special institution for TRNC". Pointing out that the important point is that

the country overcomes these troubles in unity and solidarity, Prime Minister Tatar stated that the country continues its journey with determination and declares its struggle with its institutions and organizations to the world. President of the EMU Board of Directors Dr. Erdal Özçenk said that TRNC gave a very successful exam in the COVID-19 process and with the right decisions made, the stage it has reached gives a lot of pride. Stating that the work of the TRNC government makes them proud, Dr. Özçenk stated that they initiated studies by noticing the outbreak before EMU. EMU Acting Rector Prof. Dr. Hasan Demirel stated that they did their part as a university in the process of the COVID-19 epidemic, by continuing education to a sustainable point, and via the collaboration with the Famagusta



## PRIME MINISTER ERSIN TATAR VISITS EMU



State Hospital, established the Famagusta State Hospital - EMU Molecular Genetic Research Laboratory. The report titled “The Effects of COVID-19 Outbreak on TRNC Economy” was prepared by establishing a committee consisting of EMU scientists who are experts on the subject. At the end of the visit, Prime Minister Tatar was presented with a face mask produced by the university and designed by Prof. Dr. Senih Çavuşoğlu.

### What is on the Report?

The report, which was delivered to Prime Minister Ersin Tatar, includes the determination of the economic situation caused by the COVID-19 epidemic that Northern Cyprus is experiencing and the developments and solutions related to it. The main topics of the report are; developments in the world, the precautions taken by the United States and the European Union against Covid-19, the economic precautions taken by the Republic of Turkey against COVID-19, and in accordance with these measures, the TRNC public finance analysis, analysis of the balance of payments (foreign trade, tourism, higher education), agriculture and livestock sectors, the precautions applied in the TRNC and additional measures to be taken.



The report predicts that this global health crisis will create an additional pressure on the economy, considering that TRNC already has a troubled economic structure. The report focuses on taking more inclusive and more comprehensive measures among the recommendations for alleviating and reducing this pressure, and underlines the methods for fundraising. In the report; it is specified that the most affected sector will be the tourism sector, higher education will be affected relatively less, and therefore it is a positive phenomenon, while the possibility of economic problems in agriculture and livestock sectors are predicted. The report also offered solutions to problems that may arise in the agriculture and livestock sector. The report also underlines that in TRNC, where the resources are scarce, it may not be sufficient to focus only on savings, but the creation of additional resources will play an essential role in overcoming the crisis.



## EMU VISITS FAMAGUSTA STATE HOSPITAL

Eastern Mediterranean University (EMU) Acting Rector Prof. Dr. Hasan Demirel, visited the Famagusta State Hospital MDH-EMU Molecular Genetic Research Laboratory where EMU pioneered in the practice of COVID-19 tests, as well as visiting Famagusta State Hospital Chief Doctor Dr. Mustafa Kalfaoğlu. Also in attendance at the visit were EMU Faculty of Dentistry Vice Dean and Molecular Biology and Genetics Professor, Prof. Dr. Şükrü Tüzmen, EMU Faculty of Medicine Vice Dean and Medicine Microbiology Specialist Assist. Prof. Dr. Mümtaz Güran, EMU Faculty of Medicine Molecular Biology and Genetics Specialist and TRNC Presidential and Missing Persons Committee, Director of Turkish Cypriot Member Office DNA Laboratory Dr. Cemal Gürkan and EMU Faculty of Medicine Molecular Genetic and Biotechnology Specialist Dr. Özge Cumaogulları Eker.

### Thank You to All Involved

At a talk during the visit, EMU Acting Rector Prof. Dr. Hasan Demirel thanked all of those involved in the establishment of the laboratory, and expressed his pride in the name of EMU while stating that EMU would always support the Famagusta State Hospital. Famagusta State Hospital Chief Doctor, Dr. Mustafa Kalfaoğlu expressed that serious effort was put in to create a laboratory at world standards and that the Ministry of Health, EMU and Famagusta State Hospital cooperation, under the same roof is essential for the follow up on public health.

### All Genetic Diseases Can Be Researched

The laboratory, which was established with the aim for COVID-19 tests to reach the wider public, will also be able to research all other genetic diseases. In the MDH-EMU Molecular Genetic Research Laboratory, biosafety measures were applied, observing WHO and CDC standards. The infrastructure of the laboratory was created by evaluating the



existing opportunities in the country, with the deficiencies quickly met via the means of hospital facilities and donations. RT-PCR tests can be done simultaneously with 2 devices in the laboratory, ensuring that

the capacity is kept high. This laboratory, which will perform RT-PCR tests used primarily in the advanced diagnosis of COVID-19, will also be able to perform other tests needed in the future.

## PROF. DR. ŞÜKRÜ TÜZMEN EXPLAINS COVID-19 TESTING

Eastern Mediterranean University (EMU) Faculty of Dentistry Vice Dean, Professor of Molecular Biology, Prof. Dr. Şükrü Tüzmen, published an article in relation to Covid-19 testing. Prof. Dr. Tüzmen emphasized that in order to reach the wider public rapid testing is done initially, and where deemed necessary, RT-PCR tests must be performed. “Even if there are no increases now, there may be in the future. What we need to do particularly in the large cities (Lefkoşa, Gazimağusa, Girne, İskele, Güzelyurt ve Lefke) is to apply the rapid testing to a larger public, and then by scanning these results, in light of science, begin applying the RT-PCR tests in a controlled manner. Then, we need to investigate the contacts of positive cases, this is, epidemiological “Filiform study”, in other words, a field study. “If we can continue in this way, then it will be easier for us to go out.”

Stating that antibody tests are available as a rapid test, Prof. Dr. Tüzmen said, “If it is deemed necessary, a PCR test is performed at the follow-up. The sample collection phase is a very critical and important step. In the case that there is no virus detected in the sample taken from the throat and nose, naturally, whether the rapid test or the PCR test, the probability of the results being negative is very high. This result does not mean that the individual tested is not an asymptomatic patient or that the disease is not detectable. In other words, the patient carrying the virus can be misdiagnosed. Rapid tests can yield as reliable results as PCR if proper sampling is done at the right time. In fact, explanations have indicated that the results may be different from time to time for this reason.”

Prof. Dr. Şükrü Tüzmen, who is one of Famagusta State Hospital-EMU Molecular Genetic Research Laboratory’s (MDH-EMU-MGAL) ITA Chiefs and Coordinators that although some people may carry the virus and be unwell, that they may not display the symptoms of Covid-19 (asymptomatic patient) indicating that the ‘real case numbers’ may be much more different. Prof. Dr. Şükrü Tüzmen emphasized that all of the laboratories in the country performing Covid-19 testing, like the MDH-EMU-

MGAL in Famagusta, should be practicing in line with the World Health Organisation (WHO) and CDC criterias. Prof. Dr. Tüzmen explained that they are constantly in communication with the Ministry of Health and that information in relation to cases are forwarded via the MDH Chief Doctor Dr. Mustafa Kalfaoğlu. As well as the MDH-EMU-MGAL Hospital Chief Doctor Dr. Mustafa Kalfaoğlu and Prof. Dr. Şükrü Tüzmen, EMU Faculty of Medicine Vice Dean Assoc. Prof. Dr. Mümtaz Güran and Director of the Missing Persons Laboratory Dr. Cemal Gürkan also undertake the roles of Coordinator and ITA Chiefs. Also working in the laboratory team is Laboratory Manager Dr. Özge Eker and genetics specialist Meral Kızılkıran and Laçın Tavukçu, providing full support to the Covid-19 work undertaken.

### “There is no Contact with Outside”

Upon the suggestions of the Ministry of Health, EMU Acting Rector Prof. Dr. Hasan Demirel and EMU Board of Directors President Dr. Erdal Özçenk, it was decided for the laboratory to be located at the Famagusta State Hospital, and in the short time of a week, and with the devotion of MDH Chief Physician Operator Dr. Mustafa Kalfaoğlu, it was established with the Güzelyurt Biotechnology Laboratory within the capacity of the Ministry of Agriculture providing full support meeting the needs.

Prof. Dr. Tüzmen noted that the laboratory strictly followed the rules set by the World Health Organization, and with the help of Girne American University, ‘Class II A Biosafety Cabinet’ was supplied. Prof. Dr. Tüzmen stated that MDH-EMU-MGAL Covid-19 Laboratory work flow is deployed in three separate rooms, but in connection with each other from the inside, in accordance with the rules set by the World Health Organization. Professor Dr. Tüzmen said, “The team that work here does not go outside, they do not pose any danger to the people outside. Our dressing room is separate, as we see on televisions, white overalls are worn, masks and a pair of gloves are used, and nowhere is touched. We have a bell outside that indicates when an example has been sent. This system we have created

should be within the rules set by the World Health Organization and included within the application at MDH-EMU-MGAL Covid-19 Laboratory”.

### Asymptomatic Patients May Produce Negative Results

Stating that they used a Korean kit in the laboratory, Prof. Dr. Tüzmen noted that each of the PCR tests cost around \$19, but had heard that the PCR kits used in the other labs was more expensive. Prof. Dr. Tüzmen continued his words as follows: “There are about 100 different RT-PCR kit types in the world, prices can change according to the number of genes they scan and the kit content. However, I think it would be useful to have the same kits used in all laboratories conducting Covid-19 screening tests in our country in order to look at the results from the same window and provide results. I have been in big budget projects for 17 years in the USA. In 35 years, I gained experience in Molecular Biology and Genetics. If rapid testing is performed within the correct window range, it can give as trustworthy results as the PCR tests. However, if the person has passed the virus to the liver, rapid testing may give negative results in the mouth and nose areas of the sample, even if the patient is unwell. Therefore, the results should be concluded with clinical findings. In fact, according to the announcements, this is the reason for “changes” in results” he said.



## EMU GENETICS CLUB HELPS THALASSEMIA SUFFERERS



Via the coordination of Eastern Mediterranean University (EMU) Genetics Club founder and supervising teacher Prof. Dr. Şükrü Tüzmen, help has been provided to sufferers of Thalassemia during the period of COVID-19. EMU Faculty of Dentistry Vice Dean, Molecular Biology and Genetics Professor, Prof. Dr. Şükrü Tüzmen, is the coordinator of the Genetics Club, that has 200 members, almost 870 Facebook followers, and with pride refers to the 6 years of various scientific and social events, on national and international platforms it has been named in. The EMU genetics Club, despite the COVID-19 outbreak, has not forgotten those suffering from Thalassemia. Prior

to COVID-19, pioneered by the Genetics Club Supervising teacher Prof. Dr. Şükrü Tüzmen, the EMU Genetics Club would normally visit the Lefkoşa Thalassemia Center every 4 months and donate blood.

### Leading the Way

EMU Genetics Club has accomplished numerous scientific student club activities parallel with international standards, which can be an example for EMU club activities and related departments. In terms of students' scientific development and adaptation to international platforms, EMU Genetics Club, both inside and outside the EMU

campus, alongside their coordinating teacher and EMU Faculty of Dentistry Vice Dean, Molecular Biology and Genetics Professor, Prof. Dr. Şükrü Tüzmen, who is also a pioneer in awareness seminars where the main theme is the health and genetic code of the Turkish Republic of Northern Cyprus (TRNC) people.

### "We Invite our People to Donate Blood"

Very recently, Genetics Club founding coordinating teacher and EMU Faculty of Dentistry Vice Dean, Molecular Biology and Genetics Professor, Prof. Dr. Şükrü Tüzmen, and also one of the managers of the Famagusta State Hospital-Eastern Mediterranean University Molecular Genetic Research Laboratory, donated blood to Thalassemia patients at the Famagusta State Hospital Blood Bank. Prior to the COVID-19 outbreak, the EMU Genetics Club was routinely donating blood to the Thalassemia Association in the context of social activity. In a statement in relation to this subject, Prof. Dr. Tüzmen said, "The reduction of blood donations throughout the country due to the COVID-19 epidemic, makes our Thalassemia patients experience difficult times. In this context, we invite our people to donate blood to the Thalassemia Association and look forward to your support in this difficult process."

## THE EMU "AQUABOTICS" ROBOTICS TEAM PASS THE FIRST STAGE OF ELIMINATIONS AT THE TEKNOFEST 2020 UNDERWATER SYSTEMS COMPETITION



The Autonomous Unmanned Submarine Robot Team "EMU AQUABOTICS", comprising of students from the Eastern Mediterranean University (EMU) Faculty of Engineering, Mechatronics Engineering, Electrical Electronics Engineering, Computer Engineering, Software Engineering and Industrial Engineering departments, passed the first stage of eliminations at the TEKNOFEST aviation, space and technology festival, that will be held in Gaziantep on September 22-27, 2020, pioneered by the Republic of Turkey Ministry of Industry and Technology and organized with the support of Turkey's major institutions. The students of EMU AQUABOTICS who study in the EMU Engineering Faculty, Mechatronics Engineering, Electrical Electronics Engineering, Computer Engineering and Industrial Engineering departments, supervised by acting

Rector Prof. Dr. Hasan Demirel, created the underwater robot "Caretta2" completely designed at EMU. According to the announcement made by the TEKNOFEST Unmanned Underwater Systems Competition Preliminary Design Report, "Caretta2", which was designed in EMU and under the consultancy of Prof. Dr. Hasan Demirel, passed the pre-selection process of the prestigious competition they attended with the submarine robot, receiving 90,000 points and achieving 9th place among 127 teams in total.

### Among the Greatest Candidates of the Championship

In a statement made by EMU AQUABOTICS Team, "The pandemic could not stop our team. We proudly share our success in TEKNOFEST contest. Our team, which ranked 9th out of 127,

successfully passed the first elimination process. In achieving this success, as well as our university who has made great contributions, we would like to thank our sponsor, "SHIPYARD FAMAGUSTA". The EMU AQUABOTICS Team is one of the biggest champion candidates of the TEKNOFEST Aviation, Space and Technology Festival Unmanned Underwater Systems Competition. In addition to the EMU AQUABOTICS Team, another Robot Team named "EMU Crows" formed by the Robotics and Automation Group operating under the EMU Student Branch of the Institute of Electrical and Electronics Engineering (IEEE), won the championship at the ROBOTEX competition held in Tallinn, Estonia on December 1, 2019, in the "Mind Controlled Robot" category.

## EMU BANKING AND FINANCE DEPARTMENT CHAIR PROF. DR. NESRİN ÖZATAÇ EVALUATES THE COVID-19 CRISIS ON FROM AN ECONOMIC PERSPECTIVE

Eastern Mediterranean University (EMU), Business and Economy Faculty, Banking and Finance Department Chair Prof. Dr. Nesrin Özataç, published an article titled “Coronavirus Crisis and Behavioural Economy – 1”. Beginning her article with the question “how rational are you?” Prof. Dr. Özataç continued with the following comments: “The inevitable reality of the Coronavirus (Covid-19) suddenly entering our lives and threatening our health, the economic, social, spiritual and many more effects that it brought with it, have been the main agenda of individuals, societies and countries.

### “Behavioural Economy and Financial Approaches have Gained Importance”

Regardless of which field we turn to, we encounter corona and post – corona research. These studies have displayed the negative impact of Covid-19 on countries’ economies since the first day, the contraction in our income and the global economic contraction estimates are also expressed numerically. For example, the International Monetary Fund (IMF) emphasized in its latest report that the world economy will shrink by approximately 5%. In times of crisis, uncertainties are high and supply and demand balances are difficult to reconcile with economic theories. For this reason, we come across many articles titled the end of Neo-liberalism. In these articles, the Covid-19 crisis is considered as the biggest crisis experienced globally after the Second World War. In this context, Behavioral Economics and Finance approaches emphasize the importance of planning financial behaviors in crisis periods while considering human psychology.

### “A Rational Person is a Presence that can use Information Correctly”

Behavioral economy argues that people do not always act “rationally” in making economic decisions, and that decision making is made under the influence of many social, cultural and psychological influences, and that economic policies should be designed with these factors in mind. These policies can be company or individual or even state or interstate policies. As in other disciplines, economists try to solve and examine problems by developing economic

models. The standard model of human beings (homo economicus) accepts that people are “rational”. The rational person does not indicate that they can think for themselves and do the right thing, rather the “rational” person is the being who can use the information at hand according to his preferences. Moreover, these choices include issues such as happiness of other people, a desire for a fair income distribution and protection of nature. At this point, the aim of economists is to discipline the appropriate structure in line with the information and preferences available. However, both economics and psychology literature are full of examples where people do not act rationally, and deviations from rationality are systematic and predictable.

### Limited Rationality

It has been proved by various studies that human beings cannot be rational in the face of uncertainties. Keynes, for example, emphasizes that human beings act impulsively without thinking, especially when there is a lack of information. In 1955, Herber Simon (counted as the pioneer of behavioral economy) argued that individuals have full knowledge yet limited cognitive abilities, and as a result of this, the possibility of them taking wrong steps increases when faced with complex problems and the concept of ‘rational individual’ should be replaced with ‘limited rational individual’. The concept of ‘limited rationality’ was also used by Richard Thaler, who won the Economics Nobel Prize in 2017. By not accepting that people are rational, Richard Thaler instead analysed their behavior and in light of the behavioral data, developed economic policy and registered the concept of behavioral economics. In his book, Nudge, Thaler has turned his research into what he calls “poking”, with small changes in the behavior framework that will enable people to make better decisions, that is, to increase well-being. The dictator game he thought of with Thaler, Knetsch and Kahneman is quite interesting.

I would like to talk about this game briefly. In this game, two players that do not know each other and will never see one another again are playing, and one (dictator) is given some money and is asked to divide it between the two of them. The second player has no right

of word in this. The expectation is that only a self-thinking decision-maker will take all the money away. The surprising result is that most of the people give some of the money to the other player, and even many “dictators” share the money equally. The conclusion that we come across is that although people behave in a way that is against their own interests, there is a problem of behavioral distribution and justice, they expect fair results.

### Effects of Crisis Period

In general, this behavior that came with the Corona Crisis period, the country leaders that applied the reduction of salaries to public sector employees of the Turkish Republic of Northern Cyprus (TRNC) did so proportionally among high-income and low-income people, as well as retired workers, ensuring that there was no contradictory reaction among the workers in this sense. Many of Thaler’s work confirms the effects of the corona crisis period, with peoples shock reactions due to price changes (effects of oil prices and currency fluctuations) reasonably accepted but still shocked by price increases due to demand (increase in cologne and mask prices etc.) displays that people do not find it fair and that they are reacting.

Restructuring of the economy is inevitable as a result of the Covid-19 crisis. The sectors, where production and employment losses are mostly experienced, should be separated rationally in order to reduce economic and social losses. It is essential that this is planned without ignoring the psychological reactions of the society and based on the concept of behavioral economy.”



## EMU-PDRAM PUBLISHES “PSYCHOLOGICAL RESILIENCE OF HEALTHCARE PROFESSIONALS DURING PANDEMIC” STATEMENT

The Eastern Mediterranean University Psychological Counseling, Guidance and Research Center (EMU-PDRAM) published a statement titled “Psychological Resilience of Healthcare Professionals During Pandemic”.

During the days of the pandemic we currently find ourselves within, while a majority of us are physically in isolation at home, healthcare professionals across the world faced with various risks are devotedly undertaking critical roles. During such difficult times, loaded with important responsibilities can cause people who work in various roles within the hospital environment to face some negative physical and psychological consequences. You can find brief information and tips about the stress that healthcare professionals can experience during this period.

### What Could be Sources of Stress?

- Long and busy working hours,
- Deficiencies in infrastructure (Insufficient number of personnel, equipment etc.),
- Risk of infection,
- Witnessing the course of the illness closely (witnessing the experience of the patients closely, to serve them may arouse good feelings, however it can even wear down the most strong individual),
- Experiencing such a pandemic for the very first,

- Uncertainty,
- Stigmatism (Working in close contact with patients, they may be exposed to discriminatory behaviour.),
- Working with others in the same environment who experience intense anxiety (feelings are contagious).

### What could be the symptoms of stress?

- Carrying and spreading the virus,
- Fatigue,
- Pessimism,
- Tension,
- Intense negative thoughts (Ex: The world has become a dangerous place, I am unsuccessful, No one is aware of the seriousness of the matter etc.),
- Physical Complaints (Stomach pains, headache, muscular pain etc.),
- Changes in sleep pattern,
- Difficulties in concentration,
- Changes in appetite,
- Withdrawal from social environment.

### What can be done to deal with stress?

- Drinking sufficient water,
- Eating a sufficient and balanced diet, taking care to not miss a meal,
- Avoiding being sleepless for long periods of time,
- Avoiding working with (excessive) responsibilities upon you,
- Taking short breaks during working hours, Doing breathing and stretching exercises

during breaks,

- Determining and demanding the needs for a safe working environment,
- Benefiting from your colleagues knowledge, experience and support,
- Contributing to team work,
- Empathize with colleagues suffering from stress,
- Name your emotions and try to make sense of them (Emotions can give you clues about your needs),
- Taking care to establish a positive internal dialogue about the process (Ex: I make a valuable contribution to this process, I do my best, I feel tired, I need a natural break sometimes etc.),
- Sharing experiences outside of your job and the hospital with friends and family,
- Continuing with activities that give you pleasure (Making time for hobbies, doing exercise, listening to music, gardening etc.)

Stress may be a normal reaction to the situation in this process and even afterwards, but may require professional psychological support if it has started to affect the responsibilities and daily life significantly and negatively. We wish you healthy days by emphasizing that supporting the physical and psychological well-being of healthcare professionals is an important factor in effectively handling the pandemic.

## EMU TO UTILISE THE SATISFACTORY/UNSATISFACTORY GRADING SYSTEM ALONGSIDE THE CURRENT SYSTEM

Eastern Mediterranean University (EMU), for the current 2019 – 2020 academic year spring semester only, has decided to implement the “Satisfactory (CS) / Unsatisfactory (CU)” grading system, adopted by prestigious universities in Turkey, due to Covid-19. During a meeting held 30th April 2020 by the EMU Senate, a decision was taken to use the Satisfactory (CS) / Unsatisfactory (CU) grading system to be implemented in the Spring Term of 2020, in an effort to prevent the psychological trauma that the current

process may have on the students, or the possible difficulties that could be related to the courses that have to be continued online, different from the usual education system we are used to.

### Application Requests Can be made during 7th July – 14th September 2020

This system that has garnered a lot of interest from the students, for one time only may request for their grades to be changed to a Satisfactory (CS) / Unsatisfactory (CU) grade once they have received their

alphabetical grade, in accordance with certain rules and during the period 7 July – 14 September 2020.

EMU Student Council President Mustafa Kırılmaz, in his speech at the Senate meeting where the decision was taken, expressed a positive opinion about the system to be implemented and thanked those who contributed to the preparation of it.

## 14<sup>TH</sup> MAY NATIONAL PHARMACY DAY MESSAGE FROM EMU FACULTY OF PHARMACY

Eastern Mediterranean University (EMU) Faculty of Pharmacy published a congratulatory message within the scope of the "Pharmacy Day", which is observed on May 14<sup>th</sup>, the start date academic pharmacy education each year. EMU Faculty of Pharmacy Dean Prof. Dr. Dean M. Fethi Şahin in a message stated the following, "My dear teachers, colleagues. I congratulate you all on May 14th, National Pharmacy Day. I wish to express my wishes to celebrate more May 14ths in much more trouble-free conditions and where our professional problems are solved. While expressing my pride with all of my colleagues, I wish you all good health. With my love and respect".



### This Week's Academic Publications

Source: Web of Science

#### Faculty of Business & Economics

- 1- Etokakpan, Mfonobong Udom, Festus Fatai Adedoyin, Yorucu Vedat, and Festus Victor Bekun. "Does globalization in Turkey induce increased energy consumption: insights into its environmental pros and cons." *Environmental science and pollution research international* (2020). (Early Access)
- 2- Akadiri, Seyi Saint, Andrew Adewale Alola, Uju Violet Alola, and Chioma Sylvia Nwambe. "The role of ecological footprint and the changes in degree days on environmental sustainability in the USA." *Environmental Science and Pollution Research* (2020): 1-10. (Early Access)

#### Faculty of Tourism

- 1- Lasisi, Taiwo Temitope, Ali Oztüren, Kayode Kolawole Eluwale, and Turgay Avcı. "Explicating innovation-based human resource management's influence on employee satisfaction and performance." *Employee Relations: The International Journal* (2020). (Early Access)

#### Faculty of Arts & Sciences

- 1- Al-Khateeb, Basma, Meltem Dinleyici, Arwa Abourajab, Cansu Kök, Jagadeesh B. Bodapati, Duygu Uzun, Sermet Koyuncu, and Huriye İcil. "Swallow tail bay-substituted novel perylene bisimides: Synthesis, characterization, photophysical and electrochemical properties and DFT studies." *Journal of Photochemistry and Photobiology A: Chemistry* 393 (2020): 112432.
- 2- Alzboon, Laith; Khassawneh, Bashar; Nagy, Benedek. "Counting the Number of Shortest Chamfer Paths in the Square Grid" *Acta Polytechnica Hungarica* 17, no.4 (2020): 67-87
- 3- Mazharimousavi, S. Habib. "Regular electric black hole in 2+ 1-dimensions Einstein-nonlinear electrodynamics." *Annals of Physics* (2020): 168145.

#### Faculty of Engineering

- 1- Bagheri, Farzaneh, Hasan Komurcugil, Osman Kukrer, Naki Guler, and Sertac Bayhan. "Multi-Input Multi-Output Based Sliding-Mode Controller for Single-Phase Quasi-Z-Source Inverters." *IEEE Transactions on Industrial Electronics* 67, no.8 (2020):6439-6449.
- 2- Alsbatin, Loiy, Gürcü Öz, and Ali Ulusoy. "A Novel Physical Machine Overload Detection Algorithm Combined with Queiscing for Dynamic Virtual Machine Consolidation in Cloud Data Centers." *The International Arab Journal of Information Technology* 17, no. 3 (2020):358-366.
- 3- Afsharhotli, Alireza, and Ibrahim Yitmen. "ANN Model for Assessment of Design Changes in Gas-Oil and Petrochemical Projects." *Arabian Journal for Science and Engineering* 45, no.5 (2020): 4273-4284.
- 4- Vasan, Danish, Mamoun Alazab, Sobia Wassan, Hamad Naeem, Babak Safaei, and Qin Zheng. "IMCFN: Image-based malware classification using fine-tuned convolutional neural network architecture." *Computer Networks* 171 (2020): 107138.
- 5- Li, Qiuxiang, Banghua Xie, Saeid Sahmani, and Babak Safaei. "Surface stress effect on the nonlinear free vibrations of functionally graded composite nanoshells in the presence of modal interaction." *Journal of the Brazilian Society of Mechanical Sciences and Engineering* 42 (2020): 237.
- 6- Mulla, Mustafa, Ali Hakan Ulusoy, Ahmet Rizaner, and Hasan Amca. "Barzilai-Borwein Gradient Algorithm based Alternating Minimization for Single User Millimeter Wave Systems." *IEEE Wireless Communications Letters* 9, no.4 (2020): 508-512.
- 7- Habib, Ahed, Umut Yildirim, and Ozgur Eren. "Mechanical and dynamic properties of high strength concrete with well graded coarse and fine tire

rubber." *Construction and Building Materials* 246 (2020): 118502.

#### School of Computing and Technology

- 1- Alsbatin, Loiy, Gürcü Öz, and Ali Ulusoy. "A Novel Physical Machine Overload Detection Algorithm Combined with Queiscing for Dynamic Virtual Machine Consolidation in Cloud Data Centers." *The International Arab Journal of Information Technology* 17, no. 3 (2020).
- 2- Mulla, Mustafa, Ali Hakan Ulusoy, Ahmet Rizaner, and Hasan Amca. "Barzilai-Borwein Gradient Algorithm based Alternating Minimization for Single User Millimeter Wave Systems." *IEEE Wireless Communications Letters* 9, no.4 (2020): 508-512.

#### Faculty of Pharmacy

- 1- Ozyazici, Tugce, Enise E. Gurdal, Duygu Orak, Hande Sipahi, Tuba Ercetin, Hayrettin O. Gulcan, and Meric Koksak. "Synthesis, anti-inflammatory activity, and molecular docking studies of some novel Mannich bases of the 1, 3, 4-oxadiazole-2 (3H)-thione scaffold." *Archiv der Pharmazie* (2020): e2000061. (Early Access)
- 2- Gökmen, Ayşe, Norbert Kűsz, Nursenem Karaca, Fatih Demirci, Judit Hohmann, and Hasan Kırmızıbekmez. "Secondary metabolites from *Verbascum bugulifolium* Lam. and their bioactivities." *Natural Product Research* (2020): 1-5. (Early Access)

#### Faculty of Medicine

- 1- Lale, Selda, Hikmet Solak, Evren Hınçal, and Levent Vahdetin. "In Vitro Comparison of Fluoride, Magnesium, and Calcium Phosphate Materials on Prevention of White Spot Lesions around Orthodontic Brackets." *BioMed Research International* 2020 (2020).



**Eastern Mediterranean University**

"Virtue, Knowledge, Advancement"

Management at  
Eastern Mediterranean  
University,  
Famagusta / North Cyprus

On behalf of  
Eastern Mediterranean  
University  
Prof. Dr. Hasan Demirel  
Rector (a.)

Prepared by  
Public Relations and Press Office

General Coordinator  
Murat Aktuğralı,  
Director (a.)  
Public Relations and Press Office

News Coordinator  
Burcu Sultan Betin,  
Supervisor (a.)  
Public Relations and Press Office

Layout  
Müge Debreli  
Yenilmez Ufuk Yılmaz

English Scripts  
Şerife Özyahyalar  
Hanife Erişen  
Umut Aybay  
Mehmet Çokyaman  
Özde Akbaş

Contact:  
Famagusta, North Cyprus  
Tel: 0392 630 1212  
web: pr.emu.edu.tr