

IN FOCUS

## A NEW CENTER FOR SCIENTIFIC AND TECHNOLOGICAL ADVANCED RESEARCH: N<sup>2</sup>STAR

Koç University launched the Applied Research Center on Nanofabrication and Nano-characterization for Advanced Scientific and Technological Studies (N<sup>2</sup>STAR) in 2021 to develop solutions to some of the world's complex problems through science with a supra-disciplinary approach. The Center also will enable researchers in Turkey to conduct projects at international standards and drive high-efficiency innovation. N<sup>2</sup>STAR Director Professor Hilmi Volkan Demir provides more information on the Center's activities.



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TOP STORIES



## TUMOURS DISAPPEARING BEAUTIFULLY

Cancer is one of the most aggressive diseases and the one against which we are the most defenceless. Especially Glioblastoma, one of the brain cancer types with a very low survival rate, has also very limited treatment protocols. Assoc. Prof. Tuğba Bağcı Önder of Koç University School of Medicine and her team found the key to unlock a very important step in the treatment of brain cancer.

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SPECIAL REPORT

## REMEMBERING DR. PAUL FARMER, A PUBLIC HEALTH PIONEER

Doctor, medical anthropologist and activist Paul Farmer, who was our Commencement Speaker at Koç University's 26<sup>th</sup> and 27<sup>th</sup> Graduation Ceremony, died unexpectedly on March 10, 2022. Dr. Palmer, who devoted his life to advocating for health equity, shared his work with us on public health, COVID-19 pandemic, equity, education, and talked about how to solve the world's biggest health problems.

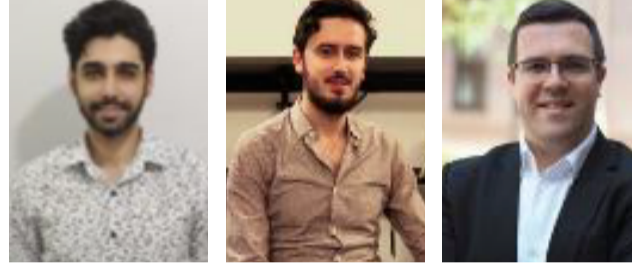


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FROM OUR DOCS AND POSTDOC



**Best Oral Presentation Award, 1<sup>st</sup> Place** at 24<sup>th</sup> Annual Congress of the Turkish Thoracic Society Environmental Problems and Lung Health Working Group **PHD STUDENT NUR KONYALILAR** Graduate School of Health Sciences



**IEEE ComSoc Turkey Best Master of Science Thesis Award PHD STUDENTS ALI TUĞBERK DOĞUKAN AND İBRAHİM YILDIRIM** ADVISOR: ASSOC. PROF. ERTUĞRUL BAŞAR Graduate School of Science and Engineering



**2<sup>nd</sup> Prize in the IEEE Computer Society Turkey Chapter Master Thesis Award MS STUDENT FAİZAN SAFDAR ALİ** ADVISOR: PROF. ÖZTUR ÖZKASAP Graduate School of Science and Engineering

RESEARCH NEWS

## CITY WALLS OF ISTANBUL ON DIGITAL PLATFORM



Initiated by Koç University's Stavros Niarchos Foundation Center for Late Antiquity and Byzantine Studies (GABAM) in 2017, the project transfers Istanbul City Walls, part of which is inscribed in the UNESCO World Heritage List, to a digital platform. The project website houses an interactive map supported by over 6,000 new photographs along with more than 40 original scientific articles.



## "SOCIAL ENTREPRENEURSHIP IN TURKEY" SURVEY BY THE WORLD BANK

On behalf of the Turkey Social Entrepreneurship Network (TSEN), the Koç University Social Impact Forum (KUSIF) launched a survey titled "Social Entrepreneurship in Turkey" in collaboration with Mikado Sustainable Development Consulting, Impact Hub İstanbul, Impact Hub Ankara, and TED University İstasyon TEDU. The survey is part of a project with the World Bank as implementing partner.

## ASSOC. PROF. ÖNDER METİN IS NATIONAL REPRESENTATIVE TO THE IUPAC

Among the scientists who will represent Turkey in the six different working groups (Division) of the International Union of Pure and Applied Chemistry (IUPAC) in the period 2022 and 2023 is Assoc. Prof. Önder Metin from Koç University. He was selected as the National Representative for Inorganic Chemistry Division (Division II).



## FOREIGN DIGNITARIES' DAYS IN ANKARA

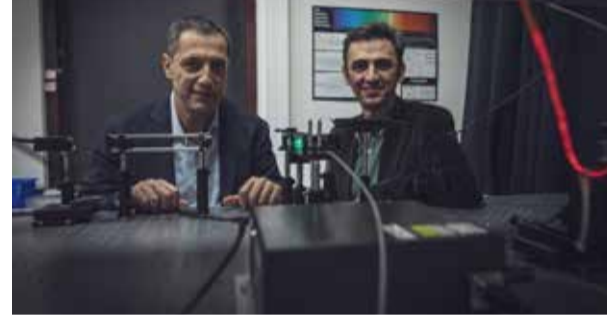
A study by VEKAM revealed a written panorama of the period from 1923 to 1960 by identifying and evaluating foreign heads of state such as presidents and prime ministers who visited Ankara in that timeframe. The objectives of the research included revisiting Ankara's recent past from a scientific and innovative perspective, drawing attention to studies on the history of city.

RESEARCH ACCOLADES



**Assoc. Prof. Sedat Nizamoğlu WON THE ERC CONSOLIDATOR GRANT** European Research Council (ERC) Consolidator Grant, which provides support for the most original and innovative scientific research, was given to Assoc. Prof. Sedat Nizamoğlu from the Department of Electrical and Electronics Engineering. Assoc. Prof. Nizamoğlu received 2 million Euros with his "Retinal Mesh Optoelectronics" project and is currently developing novel retinal implants that are biocompatible, safe, with high pixel density for visual acuity, and can be taken off.

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**Prof. Hakan Ürey & Professor Afsun Şahin RECEIVED THE EUROPEAN INNOVATION COUNCIL (EIC) GRANT.** Prof. Hakan Ürey from the Department of Electrical and Electronics Engineering and Prof. Afsun Şahin from the School of Medicine received a funding of 2 million Euros with their "Cataract Simulator Device Development Project" from the European Innovation Council (EIC).

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DID YOU KNOW?

<b>Koç University in Horizon 2020</b>	<b>51</b> projects	<b>EUR 23.8</b> million	<b>1<sup>st</sup></b> in Turkey
<b>Externally funded projects (2004-2021) at Koç University</b>	<b>1.132</b> projects	<b>USD 121</b> million	
<b>Koç University in THE Rankings 2021</b>	<b>83</b> Young Universities ranking	<b>73</b> Asian Universities ranking	
<b>Number of articles per lecturer Published in refereed journals</b>	<b>1.57</b>	<b>Number of patent application</b>	<b>122</b>
		<b>Number of registration</b>	<b>49</b>

SPOTLIGHT ON RESEARCH PROFESSORS

## RESEARCHER'S ROADMAP

From the College of Science, Department of Physics Prof. Tekin Dereli's research interests include Mills gauge theories, supersymmetry and supergravity, quaternion and octonion algebras in physics, spin structures, generalised theories of gravity, cosmological solutions, integrable systems, phase space quantisation.



[WATCH THE VIDEO](#)

PODCAST

## KUCAST



How does the COVID-19 vaccine affect the world economy? Will low interest high exchange rate policy increase exports? What is the expectation from the interest rate cut? Will structural reforms save us from impoverishment? We evaluated the concept of a sustainable economy in the shadow of the pandemic with Prof. Selva Demiralp from the Faculty of Economics and Administrative Sciences.

[LISTEN TO PODCAST](#)