



Research • Education • Innovation

NEU BULLETIN YEAR 2024 ISSUE #1

## recent research

Near East University researchers are making crucial contributions across various fields, from biotechnology to social sciences. Explore the latest advancements and innovations that are shaping the future of science and education.



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## trending researches

### Engineering

An intelligent FL-based vehicle route optimization protocol for green and sustainable IoT connected IoV

### Nutrition

Artificial intelligence chatbots for the nutrition management of diabetes and the metabolic syndrome

### Veterinary Medicine

The markers of the predictive DNA test for canine hip dysplasia may have a stronger relationship with elbow dysplasia

### Dentistry

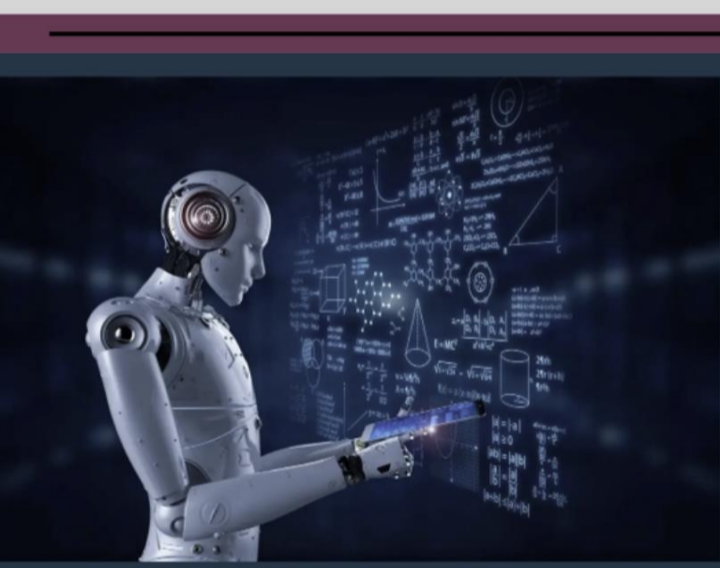
Influence of splinting scan bodies or incorporating three-dimensionally printed scan aids on the trueness of complete arch digital scans

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## congress

The "1st International Biotechnology Congress" held by the Near East University DESAM Research Institute brings together 112 researchers from the USA, Germany, Austria, the United Arab Emirates, China, Iran, TRNC, Kosovo, Egypt, Pakistan and Turkey in Northern Cyprus.

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## research center

### Artificial Intelligence (AI) and Internet of Things (IoT)

NEU's Research Center for Artificial Intelligence (AI) and Internet of Things (IoT) spans several computing disciplines in: machine learning and cognitive next generation networks ruggedized for challenging conditions, Human-to-Machine (H2M) interfaces, 6G and beyond communications, intelligent multimedia services, smart spaces and the Internet of Everything (IoE).

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## interview



### senior researcher

**Prof. Dr. Kemal Hüsnü Can Başer**

Prof. Başer is the Head of Pharmacognosy Department at Faculty of Pharmacy and Director of the Institute of Graduate Studies.

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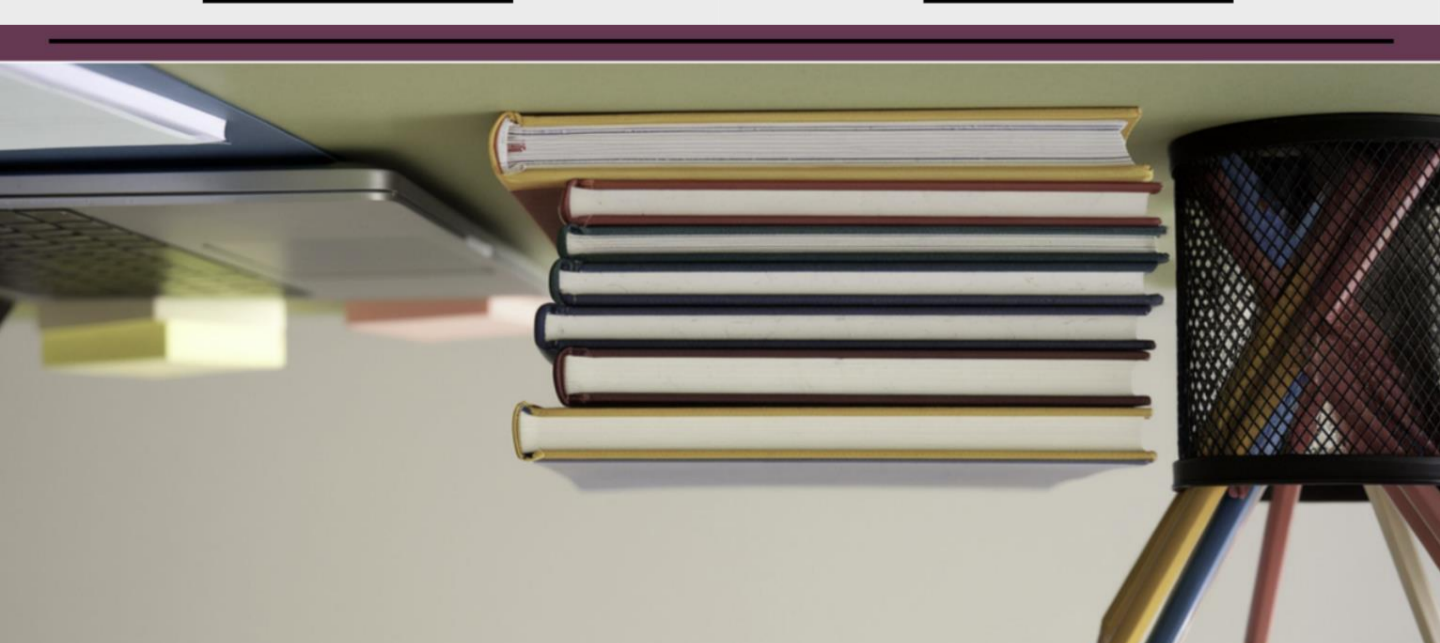


### young researcher

**Assist. Prof. Dr. Abraham Deka**

Abraham Deka is an Assistant Lecturer in the Economics Department of Near East University.

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## flipped learning

### Revolutionizing Learning: The Flipped Classroom at Near East University

In today's world, where digitalization in education is rapidly spreading, traditional methods are being replaced by student-centered and innovative approaches. One of the most notable examples of these approaches is the Flipped Learning model. This model aims to enhance the effectiveness and efficiency of education by redefining the roles of students and teachers.

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# award-winning academics

## Prof. Dr. İhsan Çalıř

Prof. Dr. Çalıř, Dean of the Faculty of Pharmacy at Near East University, has added another prestigious accolade to his list of achievements by receiving the Science Award from the Turkish Pharmacists' Association Academy of Pharmacy, an honor awarded annually to distinguished contributors in the field.

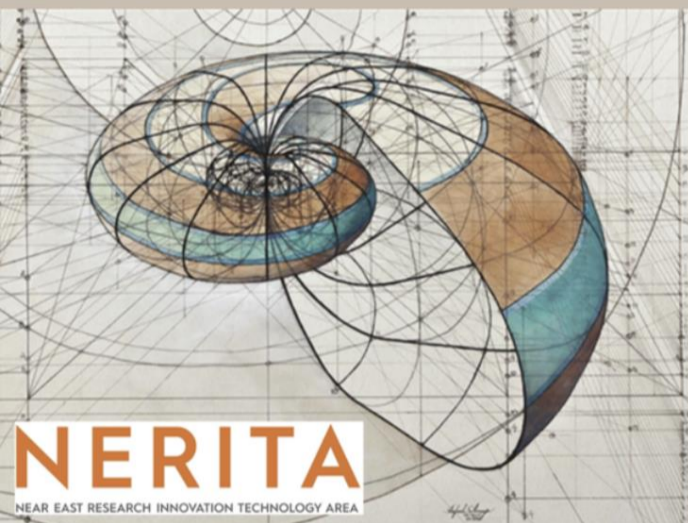
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# innovation

NERITA, which takes its name from a sea creature endemic to our island, is rapidly advancing towards making Cyprus an Innovation Island through the Technology Development Area, Technology Transfer Office, Co-Working Space.

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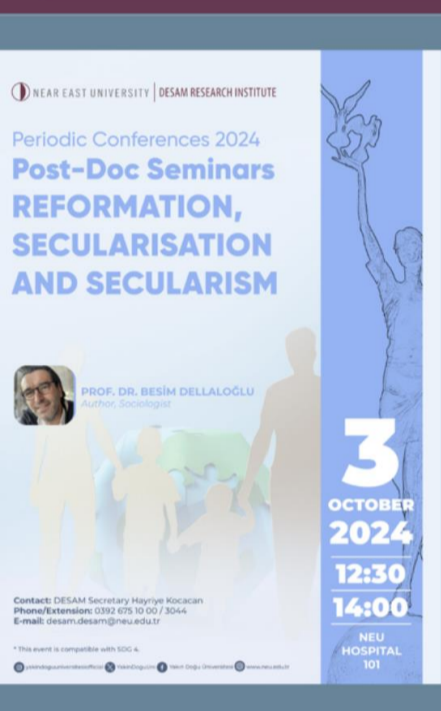


## Dual PCR test kit for Mpox & Chickenpox detection

Near East University DESAM Research Institute developed a dual PCR diagnosis test kit that efficiently detects both Monkeypox (Mpox) and Chickenpox from a single sample. By distinguishing between these two infections with overlapping symptoms, this innovation is set to transform the diagnosis and treatment process, enabling faster and more accurate medical responses.



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# seminar

## Reformation, Secularization, and Secularism

Prominent Turkish sociologist and author Prof. Dr. Besim Dellalođlu led a series of seminars as part of Near East University's Post-Doc Seminars, addressing key themes related to social transformation and the role of secularism and modern belief systems.

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# student clubs



## International Veterinary Students Association (IVSA) Cyprus



Our student club is proud to be a part of IVSA, a global network representing over 38,000 veterinary students from more than seventy countries. As an IVSA-affiliated club, we are dedicated to fostering international collaboration, enhancing veterinary education, and providing our members with opportunities for professional growth through global networking and participation in diverse projects.

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# what's new in education



## Course

### Sustainable Development and Education

This elective course, open to all students of the University, aims to provide a comprehensive understanding of sustainable development by exploring its social, economic, and environmental aspects.

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## Program

### Cyber Security Engineering

The program aims to equip students with knowledge on analyzing and evaluating components and systems for security, ensuring operations continue despite risks and threats, with a focus on engineering systems.

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# NEU in rankings



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