TUBITAK 3501 SUPPORT FOR THE PROJECT OF IGU ACADEMICIANS!

The project titled "Investigation of Strength and Durability Performance of Geopolymer Composites with Different Rates of Fiber and Nanomaterial Additives", in which Asst. Prof. Hamit Öztürk participated as a researcher and led by Assoc. Prof. Anıl Niş, from Istanbul Gelisim University (IGU) Faculty of Engineering and Architecture Department of Industrial Engineering faculty member, was entitled to be supported within the scope of TUBITAK 3501 Career Development Program.

Offering innovative approaches in the field of advanced material technologies, the project aims to make significant contributions to the sector in terms of environmental sustainability and durable building materials production. The study will examine the use of fiber and nanomaterials at different rates to improve the performance and durability of geopolymer composites. In this context, it is aimed to develop environmentally friendly and high-performance building materials.

The scientific approach of the project aims to reveal the strength and durability parameters by analyzing the effects of fiber and nanomaterial additives on geopolymer composites in detail. It is predicted that the results of the study will inspire environmentally friendly production processes in the building materials sector and enable the development of innovative products supported by advanced technologies.

ARTIFICIAL INTELLIGENCE SUPPORTED INTELLIGENT BODY ANALYSIS SYSTEM FROM IGMYO STUDENTS: METABODY

Istanbul Gelisim Vocational School (IGMYO) students have developed an innovative project that combines personal health and development tracking with technology.

“Metabody: Artificial Intelligence-Assisted Intelligent Body Measurement and Development Tracking System for Personal Body Analysis” provides an intelligent platform that allows individuals to analyze their physical changes.

The project was developed by IGMYO "Our Goal is Progress" team, consisting of Computer Technology Program students Cemil İlyas, Barış Köse, Aslı Türk and project consultant Electronic Technology Program Lect. Ali Çetinkaya. With this project, which integrates technology with human health, the team aims to make personal development processes more efficient and enable individuals to get to know themselves better.

Metabody aims to provide users with the opportunity to follow the future-oriented bodybuilding process in the smart digital environment through artificial intelligence. At the same time, the project aims to contribute to research in the field of artificial intelligence by offering solutions on image processing and unbalanced data problems.

With the project "Metabody: Artificial Intelligence-Assisted Intelligent Body Measurement and Development Tracking System for Personal Body Analysis", IGMYO students, who also applied to TEKNOFEST 2025 University Students Research Project Competitions (2242) - Social Innovation and Entrepreneurship category, aim to create a technology-based transformation in the field of healthy living with Metabody. The system aims to provide an informed approach to sports and nutrition processes by enabling individuals to better understand their own bodies.

ASSOC. PROF. HATİCE MERVE BAYRAM'S RESEARCH WAS PUBLISHED IN THE INTERNATIONAL SCIENTIFIC JOURNAL!

Within the scope of TUBITAK 2209-A University Students Research Projects Support Program, the scientific research titled "Post-Traumatic Stress Disorder, Sleep Problems and Nutritional Status after 7.8 and 7.5 Magnitude Earthquakes in Kahramanmaraş Province: A Cross-Sectional Study" conducted by Assoc. Prof. Hatice Merve Bayram, from Istanbul Gelisim University (IGU) Faculty of Health Sciences, Department of Nutrition and Dietetics, was published in the "Online Turkish Journal of Health Sciences".

The study, which revealed the psychological and physiological effects of the Kahramanmaraş-based earthquakes on survivors on February 6, 2023, was carried out with 201 adult earthquake victims. The research draws attention to the need for post-earthquake support services by comprehensively addressing the long-term health effects of the disaster on individuals.

POST-TRAUMATİC MENTAL HEALTH AND SLEEP DISORDERS ARE COMMON

According to the striking findings of the study, 58.3% of the participants exhibit severe post-traumatic stress disorder (PTSD) symptoms, while 11.9% exhibit very severe post-traumatic stress disorder (PTSD) symptoms. In addition, it was determined that 51.2% experienced very severe anxiety and 75.6% suffered from insomnia. The study highlights the need to strengthen psychological support mechanisms by revealing the strong link between PTSD, anxiety, and sleep problems.

SIGNIFICANT CHANGES IN NUTRITION AND BODY WEIGHT AFTER AN EARTHQUAKE

Another remarkable point in the study was the significant change in the body weights of earthquake victims. When the pre-earthquake and post-earthquake body weights were compared, a statistically significant decrease was detected. This result shows that disasters have significant effects not only on mental health, but also on nutritional status and physical health.

POST-DISASTER PUBLIC HEALTH SERVICES SHOULD BE STRENGTHENED

This important study, which resonates in the international scientific world, reveals that the access of earthquake victims to health services should be increased and psychosocial support mechanisms should be strengthened. This comprehensive

research, which sheds light on post-disaster health policies, is a critical scientific resource in terms of understanding the long-term effects of earthquakes on individuals and planning the necessary interventions.

AHPGS ACCREDITATIONS OF 6 DEPARTMENTS AT IGU FACULTY OF HEALTH SCIENCES HAVE BEEN RENEWED!

Istanbul Gelisim University (IGU) Faculty of Health Sciences (SBF) has successfully completed the international accreditation process. As a result of the evaluations carried out by the Accreditation Agency in Health and Social Sciences (AHPGS), which makes independent evaluations to improve the quality of education, the accreditations of the faculty's Nutrition and Dietetics (Turkish-English), Physiotherapy and Rehabilitation (Turkish-English) and Nursing (Turkish-English) departments were renewed. With the renewed accreditations, IGU has maintained its position as the university with the most internationally accredited departments in Türkiye.

The AHPGS evaluation committee visited IGU between 10-12 November 2024 and subjected the academic programs of the Faculty of Health Sciences to a detailed examination. According to the evaluations carried out in line with criteria such as program curriculum, educational opportunities, academic qualifications of faculty members, institutional quality assurance and physical infrastructure, IGU Board of Trustees Chairman Abdülkadir Gayretli, Rector Prof. Bahri Şahin, Vice-Chancellor Responsible for Education Prof. Nuri Kuruoğlu, Vice Rector for Quality, Accreditation and Internationalization Prof. Arda Öztürkcan and Quality Coordinator Prof. Hasan Hakan Bozkurt participated. Organization management of the program carried out by Assoc. Prof. Emel Tozlu Öztay, Dean of the Faculty of Healthy Sciences Prof. Rıfat Mutuş, Head of Nutrition and Dietetics Department Asst. Prof. Merve Bayram, Head of Physiotherapy and Rehabilitation Department Asst. Prof. Gülşah Konakoğlu, Head of Nursing Department Asst. Prof. Mahruk Rashidi and the faculty members of the department also took part.

Within the scope of the visit, the AHPGS delegation evaluated the laboratories, library and other educational facilities of the faculty and examined the compliance of the academic infrastructure with international standards. As a result of the comprehensive evaluations, it was decided to renew the accreditations of the departments of Physiotherapy and Rehabilitation (Turkish-English), Nursing (Turkish-English) and Nutrition and Dietetics (Turkish-English) by 2030.

As a higher education institution with the most internationally accredited departments in Türkiye, Istanbul Gelisim University continues to raise quality standards in education and increase its competitiveness on a global scale.