

**II. International
TEXAS
Congress on Advanced
Scientific Research
and Innovation**

PROCEEDINGS BOOK

EDITED BY
Prof. Dr. German Martínez PRATZ
Dr. Mustafa Latif EMEK

ISBN: 979-8-89695-023-3

PROCEEDINGS BOOK



II. International Texas Congress on Advanced Scientific Research and Innovation

January 27-28, 2025
Houston, Texas

Editors

Prof. Dr. German Martínez PRATZ
Dr. Mustafa Latif EMEK

25.02.2025

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ISBN: 979-8-89695-023-3

CONGRESS ID

TITLE OF CONGRESS

II. International Texas Congress on Advanced Scientific Research and
Innovation

PARTICIPATION

Keynote & Invited

DATE - PLACE

January 27-28, 2025

Houston, Texas

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ÍKSAD-Institute of Economic Development and Social Researches

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INTERNATIONAL TEXAS CONGRESS ON ADVANCED SCIENTIFIC RESEARCH AND INNOVATION-II

PARTICIPATING COUNTRIES (18)

Türkiye, India, Kazakhstan, Nigeria, Lebanon, KSA, Albania, Iran, Iraq,
Morocco, Azerbaijan, Serbia, Kazakhstan, Jordan, Romania, Poland,
Greece, Mexico

TOTAL ABSTRACTS: 82

The number of abstracts from foreign countries: **44**

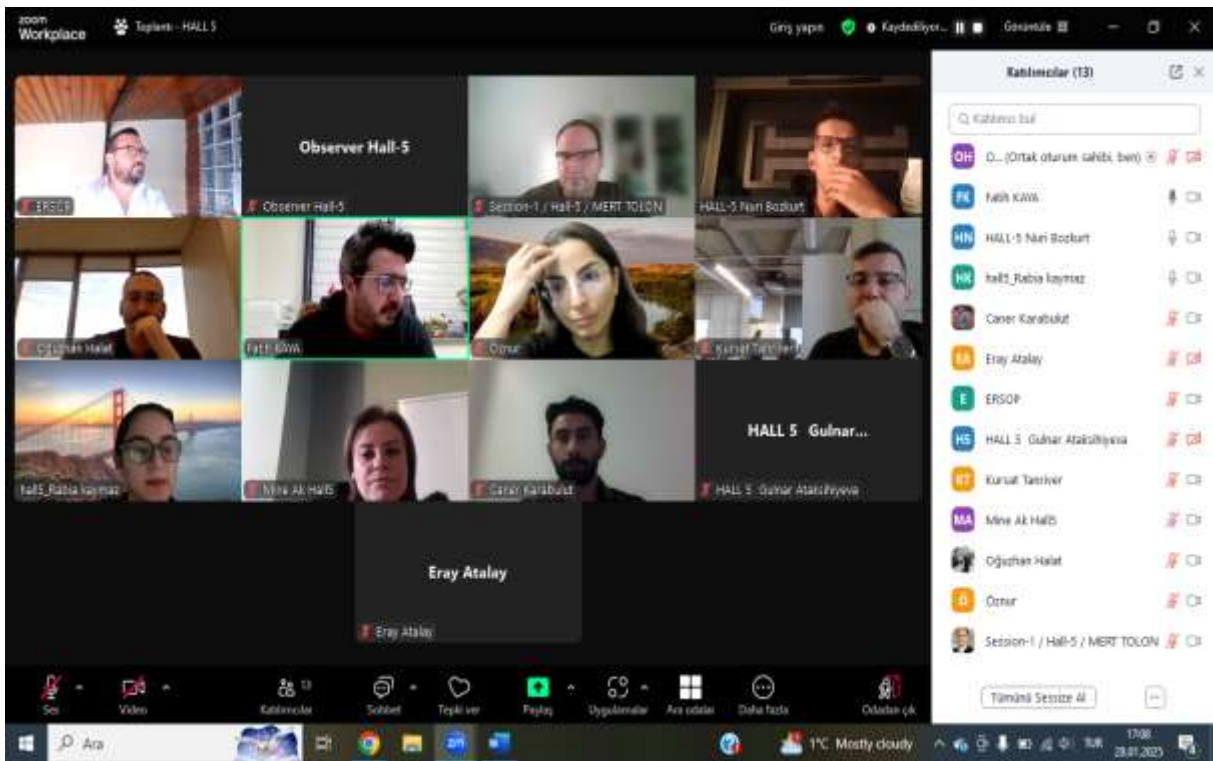
The number of abstracts from Türkiye: **38**

LANGUAGES

Turkish, English, Spanish, Russian

INTERNATIONAL TEXAS CONGRESS ON ADVANCED SCIENTIFIC RESEARCH AND INNOVATION-II

PHOTO GALLERY



PROCEEDINGS BOOK

January 27-28, 2025
Houston, Texas

INTERNATIONAL TEXAS CONGRESS ON ADVANCED SCIENTIFIC RESEARCH AND INNOVATION-II



INTERNATIONAL TEXAS CONGRESS ON ADVANCED SCIENTIFIC RESEARCH AND INNOVATION-II

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- ✓ Tek ülser görülür ise mutlaka biyopsi alınmalıdır. Endoskopi yapılırken ülser çapı, yerleşim bölgesi, şeklinin düzgün olup kenarların kabark ve düzensiz olup olmadığına, sayısı rapor edilir.
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Observer Hall-1

Dr. Dr. Mehmet Emin Waleh: HI, SI

Naim Fehmi

Ayşe Çakır

Naim Rashad



II. International Texas Congress on Advanced Scientific Research and Innovation

*January 27-28, 2025
Houston, Texas*

CONGRESS PROGRAM



ONLINE PRESENTATIONS

Meeting ID: 870 6274 8180

Passcode: 272727

<https://us02web.zoom.us/j/87062748180?pwd=ux3T3EYsp5xwtB9Cc4MrJLpfmnqw5G.>

IMPORTANT, PLEASE READ CAREFULLY

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- The application works on tablets, phones and PCs.
- Speakers must be connected to the session **10 minutes before** the presentation time.
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- Moderator is responsible for the presentation and scientific discussion (question-answer) section of the session.

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- Moderatör – oturumdaki sunum ve bilimsel tartışma (soru-cevap) kısmından sorumludur.

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PARTICIPANT COUNTRIES (18):

Türkiye, India, Kazakhstan, Nigeria, Lebanon, KSA, Albania, Iran, Iraq, Morocco, Azerbaijan, Serbia, Kazakhstan, Jordan, Romania, Poland, Greece, Mexico

FACE TO FACE PRESENTATIONS

27.01.2025

Session-1 / Hall-1

Texas Time: 15⁰⁰-16⁰⁰

Venue: Hyatt Regency Houston Downtown

HEAD OF SESSION: Mariam S. OLSSON

TOPIC TITLE	AUTHORS	AFFILIATION
THE TORSIONAL MECHANICAL PROPERTIES OF TI ALLOY BAR PRODUCED BY ADDITIVE MANUFACTURING	Ali DURMUŞ	Bursa Uludağ University, Bursa, Turkey
PERSPECTIVE USE OF STONE MASTIC ASPHALT IN GEORGIA	Mariam Gvinjili Giorgi Chubinidze Manuchar Shishinashvili	Georgian Technical University

28.01.2025

Session-1 / Hall-1

Texas Time: 09⁰⁰-11⁰⁰

Ankara Time: 17⁰⁰-19⁰⁰

HEAD OF SESSION: Prof. Dr. Mohammed Waheeb

TOPIC TITLE	AUTHORS	AFFILIATION
EVALUATION OF AGRICULTURAL WASTE FOR BIOMASS ENERGY POWER PLANTS: TÜRKİYE (KİRSEHİR PROVINCE CASE)	Ömer Eyüboğlu Gökhan Eyüboğlu	Ahi Evran University, Kirsehir, Türkiye Hacettepe University, Ankara, Türkiye
THE DISCOVERY OF THE OLDEST CHURCHES IN JORDAN- SOUTH LEVANT	Prof. Dr. Mohammed Waheeb	Hashemite University
THE EFFECT OF SULFURIC ACID ON THE GERMINATION OF SEEDS OF THE CAROB TREE CERATONIA SILIQUA .L IN ALGERIA	Frimehdi Noureddine Djabeur Abderrazak	Djilali Liabès University, Algeria
NEXT-GENERATION SEQUENCING IN FERMENTED FOOD MICROBIOLOGY: A GATEWAY TO UNDERSTANDING FOOD SAFETY AND QUALITY	Aghja Valiyeva Bayram	Baku State University, Baku, Azerbaijan
STRUCTURE-BASED DRUG REPURPOSING TO INHIBIT THE DNA GYRASE OF MYCOBACTERIUM TUBERCULOSIS	Balasubramani G L, Rinky Rajput, Manish Gupta, Pradeep Dahiya, Jitendra K Thakur, Rakesh Bhatnagar, Abhinav Grover	Jawaharlal Nehru University National Institute of Plant Genome Research Banaras Hindu University, India
USE OF SMART CUBE IN EDUCATION	Erkisheva Zhazira Kenesbai Arailim Zhadiger Symbat	Akhmet Yassawi International Kazakh-Turkish University, Turkistan, Kazakhstan
COLD-ACTIVE MICROBIAL CELLULASE: NOVEL APPROACH TO UNDERSTAND MECHANISM AND ITS APPLICATIONS IN FOOD AND BEVERAGES INDUSTRY	Ghazala Yunus, Mohammed Kuddus	University of Hail, Hail-2440, KSA.
PRESERVATION OF THE ENVIRONMENT BY REMOVING COPPER FROM WASTEWATER FROM METAL PLATING VIA ELECTROCOAGULATION	Ahmed Salim, A. El Bouari, M. Tahiri, O. Tanane	Hassan II University - Casablanca, Morocco
OPTIMUM DESIGN OF REINFORCED CONCRETE CANTILEVER MFO OPTIMIZATION ALGORITHM	Mehdi Shalchi Tousi	Ahle Beyte international University, Tehran, Iran

28.01.2025

Session-1 / Hall-2

Texas Time: **09⁰⁰-11⁰⁰**

Ankara Time: **17⁰⁰-19⁰⁰ tip**

HEAD OF SESSION: Major Gheorghe GIURGIU

TOPIC TITLE	AUTHORS	AFFILIATION
EL CONSUMO DE COCA COLA EN LOS ESTUDIANTES DE LA LICENCIATURA EN DERECHO DE LA DIVISIÓN ACADÉMICA DE CIENCIAS SOCIALES Y HUMANIDADES, LA VULNERACIÓN A SU DERECHO HUMANO A LA SALUD	Luis Felipe Hernández Jiménez Sandra Paola Pérez Beltrán Yazmín Isolda Álvarez García	Universidad Juárez Autónoma de Tabasco
MICROBIOTA MODULATION AS THERAPEUTIC APPROACH IN THE NEUROPATHIC PAIN IN DOG WITH SPINAL CORD INJURY: IMPACT OF POLENOPLASMIN	Major Gheorghe GIURGIU Manole COJOCARU	Deniplant-Aide Sante Medical Center, Romania Academy of Romanian Scientists Titu Maiorescu University, Romania
THE RELEVANCE OF ENVIRONMENTAL POLLUTION WITH HEAVY METALS	Nigar Aliyeva Atiga Abdullayeva	Azerbaijan Medical University, Azerbaijan
EPIDEMIOLOGICAL ASPECTS OF PIGEONS IN THE URBAN ENVIRONMENT	Dr. Ivan Pavlovic Dr. Aleksandra Tasic	Scientific Institute for Veterinary Medicine of Serbia, Belgrade, Serbia
MENTAL HEALTH CHALLENGES FACED BY WORKING WOMEN IN PAKISTAN	Ayesha Batool, Dr. Farkhanda Anjum, Hafsa Naeem, Rimsha Anwar, Zainab Fatima, Memona Liaqat, Hina Shahid	University of Agriculture, Faisalabad.
OVER EXPRESSION RECOMBINATION STAPHYLOKINASE WITH R HUMAN GROWTH HORMONE (SAK-PET21a-rhGH)	Barakat Abdul Razzaq Mutar	University of Al-Qadisiyah
THE USE OF ANTIBIOTICS IN ORAL SURGERY	Dr. Esat Bardhoshi	University of Medicine, Tirana, Albania
EFFECTS OF PROBIOTICS ON ORAL MICROBIOLOGICAL ENVIRONMENT, GINGIVAL HEALTH AND DENTAL PLAQUE; A META-ANALYSIS	Dr. Mehwash Kashif, Dr. Mehwash Kashif, Dr. Aman Ashar, Syeda Nimra Qadri, M. Asfahan Shah	Karachi Metropolitan University

28.01.2025

Session-1 / Hall-3

Texas Time: 09⁰⁰-11⁰⁰

Ankara Time: 17⁰⁰-19⁰⁰

HEAD OF SESSION: Lect. Elif Dilan ATILGAN

TOPIC TITLE	AUTHORS	AFFILIATION
BIBLIOMETRIC ANALYSIS OF GLUTATHIONE ARTICLES SINCE 1975	Ali Kemal ERENLER Mehmet Oğuzhan AY Behice Hande ERENLER	Hitit University, Çorum, Türkiye SBU Bursa Yüksek İhtisas Education and Research Hospital, Bursa, Türkiye
RELIABILITY OF YOUTUBE© VIDEOS IN TERMS OF CARDIOPULMONARY RESUSCITATION EDUCATION	Ali Kemal ERENLER Behice Hande ERENLER Ahmet BAYDI	Hitit University, Çorum, Türkiye Ondokuzmayıs University, Samsun, Türkiye
ANALYSIS OF POSTGRADUATE THESES ON EXERCISE AND SPORTS FOR DISABLED PEOPLE IN TURKEY FROM VARIOUS VARIABLES (2019-2024)	Elif Dilan ATILGAN Abdullah TÜRKMEN Gonca İNCE	Batman University, Türkiye Çukurova University, Türkiye
DIAGNOSTIC APPROACH TO LONG-TERM DYSPEPTIC COMPLAINTS: DIVERTICLE IN THE ANTRUM	Eda YILDIZHAN Alper KIZIL Burak Veli ÜLGER Şehriban DURSUN DAĞ	Dicle University, Türkiye
ULCERATED LESION IN THE ANTHROPYLORIC REGION: CASE REPORT	Eda YILDIZHAN Alper KIZIL Burak Veli ÜLGER Şehriban DURSUN DAĞ	Dicle University, Türkiye

28.01.2025

Session-1 / Hall-4

Texas Time: 09⁰⁰-11⁰⁰

Ankara Time: 17⁰⁰-19⁰⁰

HEAD OF SESSION: Prof. Dr. Adnan Celik

TOPIC TITLE	AUTHORS	AFFILIATION
THE INFLUENCE OF DIGITAL EPISTEMOLOGICAL BELIEFS ON LEARNING AND KNOWLEDGE CONSTRUCTION	Elvan GÖKÇEN Burhan AKPINAR Eyüp İZCİ	İzmir Demokrasi University, Türkiye Fırat University, Türkiye İnönü University, Türkiye
THE EFFECT OF MANAGERS' PERCEPTION OF INNOVATION ON COMPANY PERFORMANCE	Meral Arslan	Çanakkale Onsekiz Mart University, Türkiye
IMPORTANCE OF CORE COMPETENCIES IN CEO SUCCESS: SELECTIONS FROM TYPICAL EXAMPLES	Adnan Celik	Selcuk University, Türkiye
EFFECTS OF GLOBAL COMPANIES ON CLIMATE CHANGE	Adnan Celik	Selcuk University, Türkiye
NAVIGATING CHALLENGES, CURRENT PRACTICES AND REALITIES, AND EDUCATORS' FUTURE ASPIRATIONS: ESL/EFL CASE STUDY AT THE UNIVERSITY CONTEXT IN AZERBAIJAN	Turkanbayim Ahmadli	Karabakh University, Khankendi, Azerbaijan
INTERCULTURAL COMMUNICATION AND PUBLIC RELATIONS	Hacer Hande ERGİN ÇAĞATAY	Bitlis Eren University, Bitlis, Türkiye

28.01.2025

Session-1 / Hall-5

Texas Time: 09⁰⁰-11⁰⁰

Ankara Time: 17⁰⁰-19⁰⁰

HEAD OF SESSION: Assist. Prof. Dr. Fatih KAYA

TOPIC TITLE	AUTHORS	AFFILIATION
SMART PAINT TECHNOLOGY: TECHNOLOGICAL ADVANCEMENTS AND VARIOUS APPLICATION AREAS (MINI REVIEW)	Nuri BOZKURT Şeyda TAŞAR Fatih KAYA Gülbeyi DURSUN	Firat University, Türkiye
CHIMNEY INSTALLATION AND THERMAL-FLOW ANALYSIS IN COGENERATION SYSTEMS	Rabia Kaymaz Kürşat Tanrıver Mine Ak	Istanbul Health and Technology University, Türkiye
SYNTHESIS OF (Z)/(E) -ETHYL 2-PHENYL-2-(2-PHENYLHYDRAZONE) ACETATES	Gulnar Atakishiyeva Sevinç Muhtarova Shukufa Eyvazova Naila Veysova Sima Musayeva Ilhama Hamdullayeva Namiq Shikhaliyev	Baku State University, Baku, Azerbaijan Azerbaijan Technical University, Baku, Azerbaijan Baku Engineering University, Baku, Azerbaijan
SEISMIC EVALUATION OF A HISTORICAL MASONRY MOSQUE	Öznur AKDENİZ Erkut SAYIN	Firat University, Türkiye
INVESTIGATING THE DRUG DELIVERY POTENTIAL OF A SPHERICAL ZINC OXIDE NANOPARTICLE FOR FAVIPRAVIR	M. Emre Ersop Mustafa Kurban Şekip Esat Hayber	Bursa Uludağ University, Türkiye Ankara University, Türkiye
BENCHMARKING STREAMFLOW PERFORMANCE OF GR4J AND TUW MODELS USING ERA5 AND EOBS DATA OVER BARTIN RIVER	Oguzhan Murat Halat Abdullah Bin Masood Tolganay Baizhigit Berat Bayatkara Akif Zahid Genc Abuzer Durmaz Hasan Teke Eray Atalay Hazar Ege Gencer Yunus Emre Agan Berhan Selcuk Kalmuk Sevket Yilmaz Mehmet Cunejd Demirel	Istanbul Technical University, Türkiye Istanbul Gelisim University, Türkiye L. N. Gumilyov Eurasian National University, Astana, Kazakhstan
APPLICATIONS OF ARTIFICIAL INTELLIGENCE IN GEOTECHNICAL ENGINEERING PROBLEMS: A CASE STUDY OF EXCAVATION SUPPORT SYSTEM EVALUATION BASED ON PYTHON PROGRAM	Caner Karabulut Mert Tolon	Maltepe University, Türkiye

28.01.2025

Session-1 / Hall-6

Texas Time: 09⁰⁰-11⁰⁰

Ankara Time: 17⁰⁰-19⁰⁰

HEAD OF SESSION: Assoc.Prof. Dr. Bülent BAYRAKTAR

TOPIC TITLE	AUTHORS	AFFILIATION
INVESTIGATION OF THE ROLE OF THE FORMATION OF THE BLOOD-TESTICULAR BARRIER IN BIOMARKER ANDROGEN-BINDING PROTEIN PHYSIOLOGY AND REPRODUCTION	Şeyma AYDEMİR Bülent BAYRAKTAR	Hitit University, Türkiye Bayburt University, Türkiye
PHYSIOLOGY OF ACTIVIN HORMONE, AN AUTOCRINE/PARACRINE MODULATOR OF TESTIS AND OVARIUM DEVELOPMENT AND INVESTIGATION OF ITS ROLE IN REPRODUCTION	Şeyma AYDEMİR Bülent BAYRAKTAR	Hitit University, Türkiye Bayburt University, Türkiye
INVESTIGATION OF ADIPLINE HORMONE PHYSIOLOGY AND ITS ROLE IN OBESITY	Bülent BAYRAKTAR Seda ÇELİKEL TAŞCI	Bayburt University, Türkiye
INVESTIGATION OF DECORINE PHYSIOLOGY AND ITS ROLE IN DIABETES AND OBESITY	Seda ÇELİKEL TAŞCI Bülent BAYRAKTAR	Bayburt University, Türkiye
INVESTIGATION OF THE PHYSIOLOGY OF GALANIN HORMONE AND ITS ROLE IN COGNITIVE PERFORMANCE	Bülent BAYRAKTAR Süheyb OKUR	Bayburt University, Türkiye
PLACENTAL DYSFUNCTION AND FETAL GROWTH BIOMARKER PLACENTAL GROWTH FACTOR INVESTIGATION OF ITS PHYSIOLOGICAL ROLE IN PREGNANCY	Gökşad Cemil KOTAN Bülent BAYRAKTAR	Hitit University, Türkiye Bayburt University, Türkiye
INVESTIGATION OF THE PHYSIOLOGY AND ROLE OF NUTRITION OF CANCER BIOMARKER SURVIVIN	Tuğçe ORKUN ERKILIÇ Bülent BAYRAKTAR	Bayburt University, Türkiye
PHYSIOLOGY OF NEUROKIN B MODULATOR OF REPRODUCTIVE FUNCTION	Gökşad Cemil KOTAN Bülent BAYRAKTAR	Hitit University, Türkiye Bayburt University, Türkiye
INVESTIGATION OF TAU PROTEIN AND ITS PHYSIOLOGICAL ROLE IN LEARNING AND MEMORY PROCESSES	Süheyb OKUR Bülent BAYRAKTAR	Bayburt University, Türkiye
RELATIONSHIP BETWEEN CELLULAR AGING BIOMARKER SIRTUIN-1 PHYSIOLOGY AND NUTRITION	Bülent BAYRAKTAR Tuğçe ORKUN ERKILIÇ	Bayburt University, Türkiye
KANATLILARDA PODODERMATİT OLUŞUMU ÜZERİNE DİYETİN ETKİSİ	Hacer KAYA	Gümüşhane University, Türkiye
ALTERNATİF KABA YEM OLARAK MEYVE AĞACI YAPRAKLARI	Hacer KAYA	Gümüşhane University, Türkiye
BAZI HALOFİLİK MİKROORGANİZMALARIN TUZLULUK STRESİNDEKİ YONCADA (MEDİCAGO SATİVA) BAZI METABOLİK VE ANTİOKSİDAN PARAMETRELER ÜZERİNE ETKİLERİNİN BELİRLENMESİ	Dilara KAYNAR Fevziye Işıl KESBİÇ	Kastamonu University, Türkiye
INVESTIGATION OF THE ANTI CANCER AND	Gamze Betül ÜNAL	Kastamonu University, Türkiye

ANTIDIABETIC PROPERTIES OF ANISE (PIMPINELLA ANISUM) PLANT	Firat SEFAOĞLU Volkan GÜL	Bayburt University, Türkiye
INVESTIGATION OF THE ANTI CANCER AND ANTIDIABETIC PROPERTIES OF ANISE (PIMPINELLA ANISUM) PLANT	Gamze Betül ÜNAL Firat SEFAOĞLU Volkan GÜL	Kastamonu University, Türkiye Bayburt University, Türkiye

28.01.2025

Session-1 / Hall-7

Texas Time: 09⁰⁰-11⁰⁰

Ankara Time: 17⁰⁰-19⁰⁰

HEAD OF SESSION: Dr. SRINIVASAN

TOPIC TITLE	AUTHORS	AFFILIATION
ASSOCIATION OF RISK MANAGEMENT PRACTICES AND FINANCIAL PERFORMANCE OF MICROFINANCE INSTITUTIONS IN ETHIOPIA: A TWO-STEP SYSTEM GENERALIZED METHOD OF MOMENTS APPROACH	Megbaru Tesfaw Molla, Dr. Ratinder Kaur	Punjabi University, Patiala, India
RELATIONSHIP BETWEEN FEAR OF MISSING OUT (FOMO) AND CYBERLOAFING AMONG EMPLOYEES: MODERATING ROLE OF DARK TRIAD	Unsa Andleeb Ayub, Umm Eman Syed, Neelam Bibi, Dr. Anam Khan	Rawalpindi Women University, Rawalpindi, Pakistan. Rawalpindi Institute of Cardiology, Rawalpindi, Pakistan
PERSPECTIVE USE OF STONE MASTIC ASPHALT IN GEORGIA	Mariam Gvinjili Ph.D. Giorgi Chubinidze Ph.D. Manuchar Shishinashvili	Georgian Technical University
TESTING OF A CdS/g-C ₃ N ₄ /TiO ₂ TERNARY PHOTOCATALYSTS FOR PHOTOCATALYTIC APPLICATIONS	Syed Anam Shaheen Abbas Shah, Muhammad Shoaib, Muhammad Ayyaz, Muhammad Yasin Naz, Shazia Shukrullah	University of Agriculture Faisalabad, 38040, Pakistan
ANTICANCER DRUG DISCOVERY BASED ON NATURAL PRODUCTS: FROM COMPUTATIONAL APPROACHES TO CLINICAL STUDIES	A. Dinesh babu, E.Velmurugan, MD.Shanur Rahman, Dr.srinivasan	Bharath Institute Of Higher Education And Research Chennai, India
RUMINANT MANAGEMENT: PHYTOCHEMICALS AS A SOURCE OF MEDICINE	FANIYI, Tolulope Oreoluwa	Ajayi Crowther University, Africa
STRATEGIC DIMENSIONS OF MARITIME DIPLOMACY IN THE INDO-PACIFIC: A GEOPOLITICAL ANALYSIS	Md.Mizanur Rahman	Bangabandhu Sheikh Mujibur Rahman Science and Technology University Gopalganj Bangladesh
PHARMACOLOGY ASPECT OF THE CLITORIS TERNATEA	Selvakumar V, Vijayalakshmi M, Sheron Kevin S, Venkateshwaran, Ashwini A, Hamsini Eisha E	Bharath institute of higher education and research institute
THUTHI LEAF	D. ANUSHYA, R.SARAVANAN, Dr. SRINIVASAN	Bharath Institute Of Higher Education And Research,Chennai.
ROLE OF GENOMIC PROTEOMICS AND BIOINFORMATICS	V.Ranjani, K.M.Keerthivasan, Dr.W. Helen	Bharath Institute of Higher Education and Research, Chennai, Tamilnadu, India.

28.01.2025

Session-1 / Hall-8

Texas Time: 09⁰⁰-11⁰⁰

Ankara Time: 17⁰⁰-19⁰⁰

HEAD OF SESSION: Lecturer, PhD Irina-Ana DROBOT

TOPIC TITLE	AUTHORS	AFFILIATION
COMPARISON AND EVALUATION OF THE HEALTH BENEFITS OF DIETARY HABITS OF POLISH AND GREEK STUDENTS USING THE PRO-HEALTHY INDEX (p-HDI-10)	Patrycja Widłak Marzena Malara Anna Kuk Aspasia Dania Georgia Panagiotakou Georgia Papoulia	Józef Piłsudski University of Physical Education in Warsaw, Poland National and Kapodistrian University of Athens, Greece
EVALUATION AND COMPARISON OF FOOT ARCH AND PHYSICAL FITNESS IN ATHLETES TRAINING IN FOOTBALL AND KARATE	Patrycja WIDŁAK Anna KOPICZKO Bartłomiej MICHALAK Zbigniew TYC	Józef Piłsudski University of Physical Education in Warsaw, Poland
IMMERSION IN COLD WATER ON EPIPHANY: MEANINGS	Irina-Ana DROBOT	Technical University of Civil Engineering Bucharest, Romania
SUFISM AND SPIRITUAL, SOCIAL, AND POLITICAL REFORMATION IN THE LIGHT OF SIRAH OF THE PROPHET MUHAMMAD (PBUH)	Naseem Akhter	Shaheed Benazir Bhutto Women University, Peshawar, Pakistan
THE ROLE OF CIVIL SOCIETY AND EDUCATIONAL INSTITUTIONS IN PROMOTING PEACEFUL COEXISTENCE (A RESEARCH REVIEW)	Naseem Akhter	Shaheed Benazir Bhutto Women University, Peshawar, Pakistan
MUHAMMAD (PBUH): A MODEL FOR RESOLVING NATIONAL ISSUES AND EXEMPLARY LEADERSHIP	Naseem Akhter	Shaheed Benazir Bhutto Women University, Peshawar, Pakistan
INTEGRATED PLAY-BASED LEARNING IN LEBANESE PRE-PRIMARY EDUCATION: ENHANCING ACADEMIC COMPETENCES AND SOCIOEMOTIONAL DEVELOPMENT	Aya Jaber	Saint Joseph University Of Beirut
HARNESSING ARTIFICIAL INTELLIGENCE TO ACHIEVE SUSTAINABLE DEVELOPMENT GOALS: OPPORTUNITIES, CHALLENGES, AND ETHICAL CONSIDERATIONS	Ndubuisi-Okolo Purity Uzoamaka, PhD	Nnamdi Azikiwe University, Awka, Anambra State.
AVAILABILITY AND UTILIZATION OF VIRTUAL AND AUGMENTED REALITY TOOLS FOR TEACHING SENIOR SCHOOL PHYSICS IN ILORIN, NIGERIA	Aishat A. Yusuf, A. O. Akanbi, R. E Mohammed, W. O. Yahaya, S. A. Abdulkadir, Sikirat I. Mustapha	University of Ilorin, Ilorin, Nigeria Federal College of Education, Kano, Nigeria
ASSOCIATION OF RISK MANAGEMENT PRACTICES AND FINANCIAL PERFORMANCE OF MICROFINANCE INSTITUTIONS IN ETHIOPIA: A TWO-STEP SYSTEM GENERALIZED METHOD OF MOMENTS APPROACH	Megbaru Tesfaw Molla Ratinder Kaur	Punjabi University, Patiala, India

28.01.2025

Session-1 / Hall-9

Texas Time: 09⁰⁰-11⁰⁰

Ankara Time: 17⁰⁰-19⁰⁰

HEAD OF SESSION: Chukwuemeka Godson Eme

TOPIC TITLE	AUTHORS	AFFILIATION
FEATURE ENGINEERING AND DATA FUSION: A COMPREHENSIVE APPROACH TO BRAIN STROKE PREDICTION USING CLINICAL AND IMAGING DATA	Ramesh babu Vure Lalitha Kumari Pappala	VITAP University, Amravati, Andhra Pradesh, India
PROCEDURAL FEATURES OF THE MECHANISM FOR CONCENTRATING EVIDENCE IN VARIOUS FORMS OF ACCELERATED PROCEEDINGS	ARSENI Igor	Comrat State University, Republic of Moldova
A REVIEW ON: THE CONCEPT OF HUMAN BEHAVIOURS ACCORDING TO PSYCHOLOGY	Jayeeta Brahmachari Namrata Kumari Smita Biswas	Gauhati University
AN EPIDEMIOLOGICAL STUDY OF ACID BURN INCIDENTS IN PAKISTAN: CAUSES, CONSEQUENCES AND PREVENTION STRATEGIES	Eman Atiq, Maheen Mujeeb, Mujeeb Ur Rehman, Bilal Atiqi	Rawalpindi Women University, Rawalpindi Vandebilt Catholic high school Houma, Louisiana United state Schlumberger wireline engineer Gulf of mexico, Louisiana United state
DESIGN AND IMPLEMENTATION OF A COMPUTERIZED RESTAURANT MANAGEMENT INFORMATION SYSTEM: A STUDY OF JEVENIKS RESTAURANT LTD., ABUJA FCT	Chukwuemeka Godson Eme	National Open University of Nigeria (NOUN), Jabi-Abuja, Nigeria
THE IMPACTS OF MULTINATIONAL CORPORATIONS ON THE SOCIO-ECONOMIC DEVELOPMENT OF NIGERIA (A CASE STUDY OF NIGERIA BREWERIES PLC)	Chukwuemeka Godson Eme Kayode Kadiri	National Open University of Nigeria (NOUN), Jabi-Abuja, Nigeria
YORUBA ARCHITECTURAL DESIGN GENERATIVE SYSTEM: A MACHINE LEARNING APPROACH USING SHAPE GRAMMAR AND TEACHABLE MACHINE MODELS	AbdulRaheem Bolaji Olananbi	University of Abuja, FCT, Abuja

INTERNATIONAL TEXAS CONGRESS ON ADVANCED SCIENTIFIC RESEARCH AND INNOVATION-II

CONTENT

CONGRESS ID	I
SCIENTIFIC COMMITTEE	II
PHOTO GALLERY	III
PROGRAM	IV
CONTENT	V

Author	Title	No
Ömer Eyüboğlu Gökhan Eyüboğlu	EVALUATION OF AGRICULTURAL WASTE FOR BIOMASS ENERGY POWER PLANTS: TÜRKİYE (KİRSEHİR PROVINCE CASE)	1
Luis Felipe Hernández Jiménez Sandra Paola Pérez Beltrán Yazmín Isolda Álvarez García	EL CONSUMO DE COCA COLA EN LOS ESTUDIANTES DE LA LICENCIATURA EN DERECHO DE LA DIVISIÓN ACADÉMICA DE CIENCIAS SOCIALES Y HUMANIDADES, LA VULNERACIÓN A SU DERECHO HUMANO A LA SALUD	2
Unsa Andleeb Ayub, Umm Eman Syed, Neelam Bibi, Dr. Anam Khan	RELATIONSHIP BETWEEN FEAR OF MISSING OUT (FOMO) AND CYBERLOAFING AMONG EMPLOYEES: MODERATING ROLE OF DARK TRIAD	9
Ali Kemal ERENLER Mehmet Oğuzhan AY Behice Hande ERENLER	BIBLIOMETRIC ANALYSIS OF GLUTATHIONE ARTICLES SINCE 1975	10
Ali Kemal ERENLER Behice Hande ERENLER Ahmet BAYDIN	RELIABILITY OF YOUTUBE© VIDEOS IN TERMS OF CARDIOPULMONARY RESUSCITATION EDUCATION	12
Nuri BOZKURT Şeyda TAŞAR Fatih KAYA Gülbeysi DURSUN	SMART PAINT TECHNOLOGY: TECHNOLOGICAL ADVANCEMENTS AND VARIOUS APPLICATION AREAS (MINI REVIEW)	14
Rabia Kaymaz Kürşat Tanrıver Mine Ak	CHIMNEY INSTALLATION AND THERMAL-FLOW ANALYSIS IN COGENERATION SYSTEMS	16
Major Gheorghe GIURGIU Manole COJOCARU	MICROBIOTA MODULATION AS THERAPEUTIC APPROACH IN THE NEUROPATHIC PAIN IN DOG WITH SPINAL CORD INJURY: IMPACT OF POLENOPLASMIN	17
Gulnar Atakishiyeva Sevinç Muhtarova Shukufa Eyvazova Naila Veysova Sima Musayeva Ilhama Hamdullayeva Namiq Shikhaliyev	SYNTHESIS OF (Z)/(E) -ETHYL 2-PHENYL-2-(2-PHENYLHYDRAZONE) ACETATES	18
Ayesha Batool, Farkhanda Anjum, Hafsa Naeem, Rimsha Anwar, Zainab Fatima, Memona Liaqat, Hina Shahid	MENTAL HEALTH CHALLENGES FACED BY WORKING WOMEN IN PAKISTAN	20

INTERNATIONAL TEXAS CONGRESS ON ADVANCED SCIENTIFIC RESEARCH AND INNOVATION-II

Erkisheva Zhazira Kenesbai Arailım Zhadiger Symbat	USE OF SMART CUBE IN EDUCATION	21
Ali Durmuş	THE TORSIONAL MECHANICAL PROPERTIES OF TI ALLOY BAR PRODUCED BY ADDITIVE MANUFACTURING	27
Elif Dilan ATILGAN Abdullah TÜRKMEN Gonca İNCE	ANALYSIS OF POSTGRADUATE THESES ON EXERCISE AND SPORTS FOR DISABLED PEOPLE IN TURKEY FROM VARIOUS VARIABLES (2019-2024)	32
Patrycja WIDŁAK Anna KOPICZKO Bartłomiej MICHALAK Zbigniew TYC	EVALUATION AND COMPARISON OF FOOT ARCH AND PHYSICAL FITNESS IN ATHLETES TRAINING IN FOOTBALL AND KARATE	34
Patrycja Widłak Marzena Malara Anna Kuk Aspasia Dania Georgia Panagiotakou Georgia Papoulia	COMPARISON AND EVALUATION OF THE HEALTH BENEFITS OF DIETARY HABITS OF POLISH AND GREEK STUDENTS USING THE PRO-HEALTHY INDEX (p-HDI-10)	35
Meral Arslan	THE EFFECT OF MANAGERS' PERCEPTION OF INNOVATION ON COMPANY PERFORMANCE	36
Nigar Aliyeva Atiga Abdullayeva	THE RELEVANCE OF ENVIRONMENTAL POLLUTION WITH HEAVY METALS	37
M. Emre Ersop Mustafa Kurban Şekip Esat Hayber	INVESTIGATING THE DRUG DELIVERY POTENTIAL OF A SPHERICAL ZINC OXIDE NANOPARTICLE FOR FAVIPRAVIR	39
Mohammed Waheeb	THE DISCOVERY OF THE OLDEST CHURCHES IN JORDAN- SOUTH LEVANT	40
Ivan Pavlovic Aleksandra Tasic	EPIDEMIOLOGICAL ASPECTS OF PIGEONS IN THE URBAN ENVIRONMENT	41
Frimehdi Nourelddine Djabeur Abderrazak	THE EFFECT OF SULFURIC ACID ON THE GERMINATION OF SEEDS OF THE CAROB TREE CERATONIA SILIQUA.L IN ALGERIA	42
Aghja Valiyeva Bayram	NEXT-GENERATION SEQUENCING IN FERMENTED FOOD MICROBIOLOGY: A GATEWAY TO UNDERSTANDING FOOD SAFETY AND QUALITY	43
Naseem Akhter	SUFISM AND SPIRITUAL, SOCIAL, AND POLITICAL REFORMATION IN THE LIGHT OF SIRAH OF THE PROPHET MUHAMMAD (PBUH)	47
Naseem Akhter	THE ROLE OF CIVIL SOCIETY AND EDUCATIONAL INSTITUTIONS IN PROMOTING PEACEFUL COEXISTENCE (A RESEARCH REVIEW)	48
Naseem Akhter	MUHAMMAD (PBUH): A MODEL FOR RESOLVING NATIONAL ISSUES AND EXEMPLARY LEADERSHIP	49
Balasubramani G L, Rinky Rajput, Manish Gupta, Pradeep Dahiya, Jitendra K Thakur, Rakesh Bhatnagar, Abhinav Grover	STRUCTURE-BASED DRUG REPURPOSING TO INHIBIT THE DNA GYRASE OF MYCOBACTERIUM TUBERCULOSIS	50
hmed Salim, A. El Bouari, M. Tahiri, O. Tanane	PRESERVATION OF THE ENVIRONMENT BY REMOVING COPPER FROM WASTEWATER FROM METAL PLATING VIA ELECTROCOAGULATION	51

INTERNATIONAL TEXAS CONGRESS ON ADVANCED SCIENTIFIC RESEARCH AND INNOVATION-II

Mizanur Rahman	STRATEGIC DIMENSIONS OF MARITIME DIPLOMACY IN THE INDO-PACIFIC: A GEOPOLITICAL ANALYSIS	54
Selvakumar V, Vijayalakshmi M, Sheron Kevin S, Venkateshwaran, Ashwini A, Hamsini Eisha E	PHARMACOLOGY ASPECT OF THE CLITORIS TERNATEA	55
Anushya, R.Saravanan, Srinivasan	THUTHI LEAF	56
V.Ranjani, K.M.Keerthivasan, W. Helen	ROLE OF GENOMIC PROTEOMICS AND BIOINFORMATICS	57
Öznur AKDENİZ Erkut SAYIN	SEISMIC EVALUATION OF A HISTORICAL MASONRY MOSQUE	58
Eda YILDIZHAN Alper KIZIL Burak Veli ÜLGER Şhriban DURSUN DAĞ	ULCERATED LESION IN THE ANTHROPYLORIC REGION: CASE REPORT	68
Eda YILDIZHAN Alper KIZIL Burak Veli ÜLGER Şhriban DURSUN DAĞ	DIAGNOSTIC APPROACH TO LONG-TERM DYSPEPTIC COMPLAINTS: DIVERTICLE IN THE ANTRUM	73
Turkanbayim AHMADLI	NAVIGATING CHALLENGES, CURRENT PRACTICES AND REALITIES, AND EDUCATORS' FUTURE ASPIRATIONS: ESL/EFL Case Study at the university context in Azerbaijan	78
Adnan Celik	IMPORTANCE OF CORE COMPETENCIES IN CEO SUCCESS: SELECTIONS FROM TYPICAL EXAMPLES	87
Adnan Celik	EFFECTS OF GLOBAL COMPANIES ON CLIMATE CHANGE	95
Şeyma AYDEMİR Bülent BAYRAKTAR	INVESTIGATION OF THE ROLE OF THE FORMATION OF THE BLOOD TESTICULAR BARRIER IN BIOMARKER ANDROGEN-BINDING PROTEIN PHYSIOLOGY AND REPRODUCTION	103
Bülent BAYRAKTAR Seda ÇELİKEL TAŞCI	INVESTIGATION OF ADIPLINE HORMONE PHYSIOLOGY AND ITS ROLE IN OBESITY	107
Şeyma AYDEMİR Bülent BAYRAKTAR	PHYSIOLOGY OF ACTIVIN HORMONE, AN AUTOCRINE/PARACRINE MODULATOR OF TESTIS AND OVARIUM DEVELOPMENT AND INVESTIGATION OF ITS ROLE IN REPRODUCTION	111
Seda ÇELİKEL TAŞCI Bülent BAYRAKTAR	INVESTIGATION OF DECORINE PHYSIOLOGY AND ITS ROLE IN DIABETES AND OBESITY	117
Bülent BAYRAKTAR Süheyb OKUR	INVESTIGATION OF THE PHYSIOLOGY OF GALANIN HORMONE AND ITS ROLE IN COGNITIVE PERFORMANCE	122
Gökşad Cemil KOTAN Bülent BAYRAKTAR	PHYSIOLOGY OF NEUROKIN B MODULATOR OF REPRODUCTIVE FUNCTION	128
Gökşad Cemil KOTAN Bülent BAYRAKTAR	PLACENTAL DYSFUNCTION AND FETAL GROWTH BIOMARKER PLACENTAL GROWTH FACTOR INVESTIGATION OF ITS PHYSIOLOGICAL ROLE IN PREGNANCY	133
Bülent BAYRAKTAR Tuğçe ORKUN ERKİLİÇ	RELATIONSHIP BETWEEN CELLULAR AGING BIOMARKER SIRTUIN-1 PHYSIOLOGY AND NUTRITION	137

INTERNATIONAL TEXAS CONGRESS ON ADVANCED SCIENTIFIC RESEARCH AND INNOVATION-II

Tuğçe ORKUN ERKILIÇ Bülent BAYRAKTAR	INVESTIGATION OF THE PHYSIOLOGY AND ROLE OF NUTRITION OF CANCER BIOMARKER SURVIVIN	144
Süheyb OKUR Bülent BAYRAKTAR	INVESTIGATION OF TAU PROTEIN AND ITS PHYSIOLOGICAL ROLE IN LEARNING AND MEMORY PROCESSES	151
Irina-Ana DROBOT	IMMERSION IN COLD WATER ON EPIPHANY: MEANINGS	157
Caner Karabulut Mert Tolon	APPLICATIONS OF ARTIFICIAL INTELLIGENCE IN GEOTECHNICAL ENGINEERING PROBLEMS: A CASE STUDY OF EXCAVATION SUPPORT SYSTEM EVALUATION BASED ON PYTHON PROGRAM	163
Oguzhan Murat Halat Abdullah Bin Masood Tolganay Baizhigit Berat Bayatkara Akif Zahid Genc Abuzer Durmaz Hasan Teke Eray Atalay Hazar Ege Gencer Yunus Emre Agan Berhan Selcuk Kalmuk Sevket Yilmaz Mehmet Cuneyd Demirel	BENCHMARKING STREAMFLOW PERFORMANCE OF GR4J AND TUW MODELS USING ERA5 AND EObs DATA OVER BARTIN RIVER	181
Elvan GÖKÇEN Burhan AKPINAR Eyüp İZCİ	THE INFLUENCE OF DIGITAL EPISTEMOLOGICAL BELIEFS ON LEARNING AND KNOWLEDGE CONSTRUCTION	191
Barakat Abdul Razzaq Mutar	OVER EXPRESSION RECOMBINATION STAPHYLOKINASE WITH R HUMAN GROWTH HORMONE (SAK-PET21a-rhGH)	199
Mehdi Shalchi Tousi	OPTIMUM DESIGN OF REINFORCED CONCRETE CANTILEVER MFO OPTIMIZATION ALGORITHM	200
Esat Bardhoshi	THE USE OF ANTIBIOTICS IN ORAL SURGERY	201
Ghazala Yunus, Mohammed Kuddus	COLD-ACTIVE MICROBIAL CELLULASE: NOVEL APPROACH TO UNDERSTAND MECHANISM AND ITS APPLICATIONS IN FOOD AND BEVERAGES INDUSTRY	202
Mehwash Kashif, Mehwash Kashif Aman Ashar Syeda Nimra Qadri M. Asfahan Shah	EFFECTS OF PROBIOTICS ON ORAL MICROBIOLOGICAL ENVIRONMENT, GINGIVAL HEALTH AND DENTAL PLAQUE; A META-ANALYSIS	203
Aya Jaber	INTEGRATED PLAY-BASED LEARNING IN LEBANESE PRE-PRIMARY EDUCATION: ENHANCING ACADEMIC COMPETENCES AND SOCIOEMOTIONAL DEVELOPMENT	204
Ndubuisi-Okolo Purity Uzoamaka	HARNESSING ARTIFICIAL INTELLIGENCE TO ACHIEVE SUSTAINABLE DEVELOPMENT GOALS: OPPORTUNITIES, CHALLENGES, AND ETHICAL CONSIDERATIONS	205
Aishat A. Yusuf, A. O. Akanbi, R. E Mohammed, W.	AVAILABILITY AND UTILIZATION OF VIRTUAL AND AUGMENTED REALITY TOOLS FOR TEACHING SENIOR SCHOOL PHYSICS IN ILORIN, NIGERIA	206

INTERNATIONAL TEXAS CONGRESS ON ADVANCED SCIENTIFIC RESEARCH AND INNOVATION-II

O. Yahaya, S. A. Abdulkadir, Sikirat I. Mustapha		
Megbaru Tesfaw Molla Ratinder Kaur	ASSOCIATION OF RISK MANAGEMENT PRACTICES AND FINANCIAL PERFORMANCE OF MICROFINANCE INSTITUTIONS IN ETHIOPIA: A TWO-STEP SYSTEM GENERALIZED METHOD OF MOMENTS APPROACH	207
Mariam Gvinjili Giorgi Chubinidze Manuchar Shishinashvili	PERSPECTIVE USE OF STONE MASTIC ASPHALT IN GEORGIA	208
Syed Anam Shaheen Abbas Shah, Muhammad Shoab, Muhammad Ayyaz, Muhammad Yasin Naz, Shazia Shukrullah	TESTING OF A CdS/g-C ₃ N ₄ /TiO ₂ TERNARY PHOTOCATALYSTS FOR PHOTOCATALYTIC APPLICATIONS	211
A. Dinesh babu, E.Velmurugan, Shanur Rahman, srinivasan	ANTICANCER DRUG DISCOVERY BASED ON NATURAL PRODUCTS: FROM COMPUTATIONAL APPROACHES TO CLINICAL STUDIES	212
FANIYI, Tolulope Oreoluwa	RUMINANT MANAGEMENT: PHYTOCHEMICALS AS A SOURCE OF MEDICINE	213
Volkan GÜL Fırat SEFAOĞLU	INVESTIGATION OF THE PROPERTIES OF THE HERB HOUSELEEK (RUMEX PATIENTIA L.), WHICH HAS ANTIMICROBIAL ACTIVITY AND SUPPORTS THE IMMUNE SYSTEM	214
Volkan GÜL Fırat SEFAOĞLU	INVESTIGATION OF THE PROPERTIES OF GILABURN (Viburnum opulus L.) PLANT SUPPORTING KIDNEY FUNCTION	220
Ramesh babu Vure Lalitha Kumari Pappala	FEATURE ENGINEERING AND DATA FUSION: A COMPREHENSIVE APPROACH TO BRAIN STROKE PREDICTION USING CLINICAL AND IMAGING DATA	226
ARSENI Igor	PROCEDURAL FEATURES OF THE MECHANISM FOR CONCENTRATING EVIDENCE IN VARIOUS FORMS OF ACCELERATED PROCEEDINGS	227
Jayeeta Brahmachari Namrata Kumari Smita Biswas	A REVIEW ON: THE CONCEPT OF HUMAN BEHAVIOURS ACCORDING TO PSYCHOLOGY	232
Eman Atiq Maheen Mujeeb Mujeeb Ur Rehman Bilal Atiqi	AN EPIDEMIOLOGICAL STUDY OF ACID BURN INCIDENTS IN PAKISTAN: CAUSES, CONSEQUENCES AND PREVENTION STRATEGIES	233
Chukwuemeka Godson Eme	DESIGN AND IMPLEMENTATION OF A COMPUTERIZED RESTAURANT MANAGEMENT INFORMATION SYSTEM: A STUDY OF JEVENIKS RESTAURANT LTD., ABUJA FCT	234
Chukwuemeka Godson Eme Kayode Kadiri	THE IMPACTS OF MULTINATIONAL CORPORATIONS ON THE SOCIO-ECONOMIC DEVELOPMENT OF NIGERIA (A CASE STUDY OF NIGERIA BREWERIES PLC)	254
AbdulRaheem Bolaji Olakanbi	YORUBA ARCHITECTURAL DESIGN GENERATIVE SYSTEM: A MACHINE LEARNING APPROACH USING SHAPE GRAMMAR AND TEACHABLE MACHINE MODELS	276
Hacer KAYA	ALTERNATİF KABA YEM OLARAK MEYVE AĞACI YAPRAKLARI	277

INTERNATIONAL TEXAS CONGRESS ON ADVANCED SCIENTIFIC RESEARCH AND INNOVATION-II

Hacer KAYA	KANATLILARDA PODODERMATİT OLUŞUMU ÜZERİNE DİYETİN ETKİSİ	285
Hacer Hande ERGİN ÇAĞATAY	INTERCULTURAL COMMUNICATION AND PUBLIC RELATIONS	299
Dilara KAYNAR Fevziye Işıl KESBİÇ	BAZI HALOFİLİK MİKROORGANİZMALARIN TUZLULUK STRESİNDEKİ YONCADA (MEDİCAGO SATİVA) BAZI METABOLİK VE ANTIOKSİDAN PARAMETRELER ÜZERİNE ETKİLERİNİN BELİRLENMESİ	305
Gamze Betül ÜNAL Fırat SEFAOĞLU Volkan GÜL	INVESTIGATION OF THE ANTICANCER AND ANTIDIABETIC PROPERTIES OF ANISE (PIMPINELLA ANISUM) PLANT	312
Gamze Betül ÜNAL Fırat SEFAOĞLU Volkan GÜL	INVESTIGATION OF THE ANTI CANCER AND ANTIDIABETIC PROPERTIES OF ANISE (PIMPINELLA ANISUM) PLANT	319

INTERNATIONAL TEXAS CONGRESS ON ADVANCED SCIENTIFIC RESEARCH AND INNOVATION-II

KOJENERASYON SİSTEMLERİNDE BACA KURULUMU ISI VE AKIŞ ANALİZİ CHIMNEY INSTALLATION AND THERMAL-FLOW ANALYSIS IN COGENERATION SYSTEMS

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ÖZET

Bu çalışmada kojenerasyon sistemlerinde baca tasarımının enerji verimliliğine etkisi, çevresel sürdürülebilirlik, kullanılan malzemelerin performansı ve atık ısı geri kazanımı üzerinde detaylı bir çalışma sunulmuştur. Bu çalışmanın girdilerini oluşturmak için Türkiye’de önemli tesisleri barındıran İZAYDAŞ Biyogaz Entegre Elektrik Tesisinde atık yönetimi ve enerji geri kazanım süreçleri incelenmiş; bu süreçlerin daha sürdürülebilir ve verimli hale getirilmesine yönelik iyileştirme önerileri üzerinde odaklanılmıştır. Bu çalışmanın baca tasarımı aşamasında kesit hesaplarının yapılması ve optimizasyonu için Kesa Aladin programı kullanılmıştır. Statik hesaplarda ise Ansys programı yapısal analiz modülünden faydalanılmıştır. Böylelikle kojenerasyon sistemlerinde baca tasarımının iyileştirilmesiyle performans artışı sağlama potansiyelini ve verimlilik hedeflerine ulaşmadaki önemini vurgulayarak okuyuculara farkındalık kazandırılması amaçlanmıştır.

Anahtar Kelimeler: Atık Isı Geri Kazanımı, Baca Tasarımı, Enerji Verimliliği, Kojenerasyon, Yapısal Analiz

ABSTRACT

This study presents a detailed analysis of the impact of chimney design on energy efficiency, environmental sustainability, material performance, and waste heat recovery in cogeneration systems. To gather inputs for this study, waste management and energy recovery processes were examined at İZAYDAŞ Biogas Integrated Power Plant, a key facility in Turkey. The research focused on identifying and proposing improvements to make these processes more sustainable and efficient. For the chimney design phase, the Kesa Aladin software was utilized for cross-sectional calculations and optimization. Additionally, the structural analysis module of Ansys was employed for static calculations. Through this approach, the study aims to highlight the potential for performance enhancement through improved chimney design in cogeneration systems and its critical role in achieving efficiency targets, thereby raising awareness among readers.

Keywords: Waste Heat Recovery, Chimney Design, Energy Efficiency, Cogeneration, Structural Analysis

II. International Texas Congress on Advanced Scientific Research and Innovation

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Bilgilerinize arz edilir,

Saygılarımla,

Dr. Mariam S. OLSSON
Organizing Committee Member



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Prof.Dr. Önder ÇALMAŞUR
Dekan

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