SAKARYA ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ (SAKARYA UNIVERSITY JOURNAL OF SCIENCE) İÇİNDEKİLER/CONTENTS Cilt/Volume: 26 – No/Issue4: (AĞUSTOS/AUGUST-2022)

RESEARCH ARTICLES

Title	Authors	Pages
Neutronic and Thermalhydraulic Evaluation of Annular Fuel in PWR with Three Different Nanofluids	Ali TİFTİKÇİ	643-654
Energy Levels and Radiative Lifetimes for Four Times Ionized Xenon (Xe V)	Selda ESER	655-665
Modeling and Analysis of Battery Thermal Control in a Geostationary Satellite	Murat BULUT, Nedim SÖZBİR	666-676
Investigation of Matrices Q^(nL), M^(nL) and R^(nL) and Some Related Identities	İbrahim GÖKCAN, Ali Hikmet DEĞER	677-686
An Investigation of the Influence of Various Shaped Cutouts on the Free Vibration Behavior of Sandwich Structures	Ufuk DEMİRCİOĞLU, Mutlu Tarık ÇAKIR	687-694
Global Existence and Uniqueness of The Inviscid Velocity-Vorticity Model of the g-Navier-Stokes Equations	Özge KAZAR, Meryem KAYA	695-702
Notes On A Rare Species From Turkey: Opopanax chironius	Mehmet SAĞIROĞLU	703-709
Temporal Analysis based Driver Drowsiness Detection System using Deep Learning Approaches	Furkan KUMRAL, Ayhan KÜÇÜKMANİSA	710-719
Transition Gas Flow Between Two Parallel Plates with a Slit-Type Obstacle of Various Geometry by Event-Driven Molecular Dynamics Simulation	Mustafa KOÇ, İlyas KANDEMİR, Volkan Ramazan AKKAYA	720-744
Conformational Analysis of Tyrosyl-Lysyl-Threonine Tripeptide Using MM, MD and QM Methods and Its Hyperpolarizability Study	Bilge BIÇAK, Serda Kecel GÜNDÜZ	745-756
Synthesis and Characterization of Thiazole Compounds in the Presence of Various Reagents, Catalysts and Solvents	Nurcan BERBER	757-767
Metal-containing Coordination Complexes (MCCs): Assessment of Biological Activity with Helicobacter pylori Caused Gastric Ulcer	Dursun KISA, Yusuf CEYLAN, Merve YILDIRIM, Sümeyra DURGUN, Nesrin KORKMAZ	768-775
Potential Use of Lactobacillus gasseri G10 Isolated from Human Vagina along with Intrauterine Devices (IUD) to Prevent Pathogen Colonization	Büşra AKTAŞ	776-788

Preparation and Characterization of Intrinsically Fluorescent Polyphosphazene Microspheres	Simge METİNOĞLU ÖRÜM	789-798
Mechanical and Structural Evaluation of LiSrH3 Perovskite Hydride for Solid State Hydrogen Storage Purposes	Selgin AL, Çağatay YAMÇIÇIER	799-804
Effect of Iron on Some Parameters Recombinant Pseudomonas aeruginosa Carrying Vitreoscilla Hemoglobin Gene	Hüseyin KAHRAMAN	805-812
Synchronization of Gursey System	Eren TOSYALI, Fatma AYDOĞMUŞ	813-819
An Investigation of the Correlation of Antibacterial Activity of Thyme (Thymus vulgaris L.) with its Nutrient Elements	Muazzez GÜRGAN ESER, Sevinç ADİLOĞLU	820-828
Investigation of Lateral and Vertical Dynamic Responses of a Full Car Model Exposed to Sine Road Input	Mustafa EROĞLU	829-841
A Numerical Study of a Pico Hydro Turbine	Ümit BEYAZGÜL, Ufuk DURMAZ, Orhan YALÇINKAYA, Mehmet Berkant ÖZEL, Ümit PEKPARLAK	842-849