

NATIONAL & INTERNATIONAL SCIENTIFIC EVENTS

International Conference on Ubiquitous Information Management and Communication

Venue: Offline and Online
Location: Kuala Lumpur, Malaysia

Begins: January 03 2024
Ends: January 05, 2024

IEEE Consumer Communications & Networking Conference

Venue: Flamingo Hotel
Location: Las Vegas, USA

Begins: January 06 2024
Ends: January 09, 2024

The 37th International Conference on Micro Electro Mechanical Systems

Venue: AT&T Hotel and Conference Center
Location: Texas, USA

Begins: January 21 2024
Ends: January 25, 2024

The 14th International Conference on Key Engineering Materials

Venue: N/A
Location: Dubai, United Arab Emirates

Begins: March 06 2024
Ends: March 09, 2024

10th International Conference on Computer Technology Applications

Venue: Hotel Ibis Wien Mariahilf
Location: Vienna, Austria

Begins: May 15 2024
Ends: May 17, 2024

12nd World Biomaterials Congress

Venue: EXCO
Location: Daegu, Korea

Begins: May 26 2024
Ends: May 31, 2024

22nd Triennial Congress of The International Ergonomics Association

Venue: Jeju International Convention Center
Location: Jeju Island, Korea

Begins: August 25 2024
Ends: August 29, 2024

18th European Conference on Soil Mechanics and Geotechnical Engineering

Venue: Altice Arena
Location: Lisbon, Portugal

Begins: August 26 2024
Ends: August 30, 2024

13th European Symposium on Martensitic Transformations

Venue: Lecco Campus
Location: Lecco, Italy

Begins: August 26 2024
Ends: August 30, 2024

49th International Conference on Infrared, Millimeter, and Terahertz Waves

Venue: Perth Convention and Exhibition Centre
Location: Perth, Australia

Begins: September 01 2024
Ends: September 06, 2024

38th International Conference on Coastal Engineering

Venue: The Pontifical Gregorian University
Location: Rome, Italy

Begins: September 08 2024
Ends: September 14, 2024

69th IEEE Holm Conference on Electrical Contacts

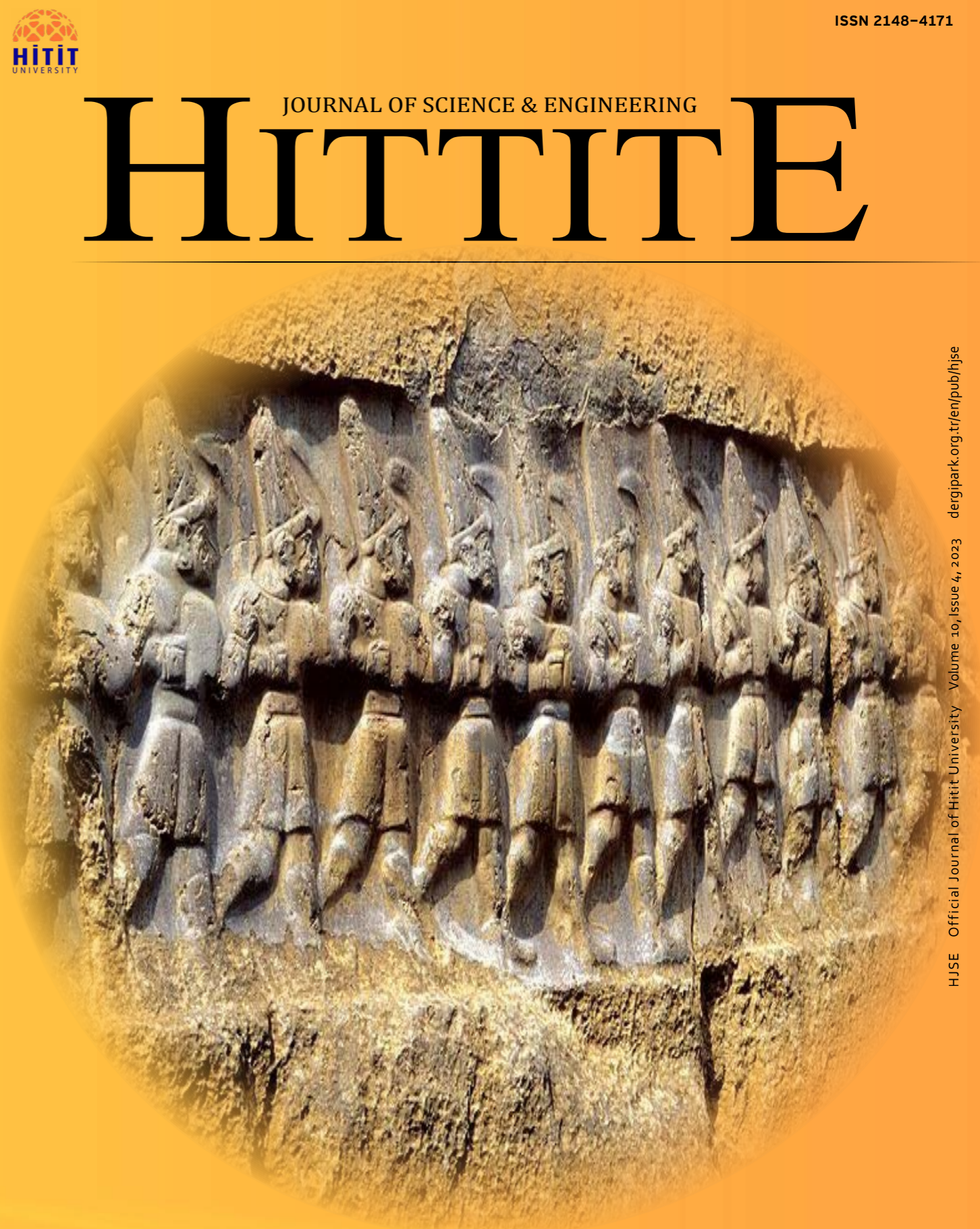
Venue: Graduate Hotel
Location: Annapolis, Maryland, USA

Begins: 06 October 2024
Ends: 10 October, 2024

HITTITE

JOURNAL OF SCIENCE & ENGINEERING

HJSE Official Journal of Hitit University Volume 10, Issue 4, 2023 dergipark.org.tr/en/pub/hjse



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Abstracted & Indexed in:

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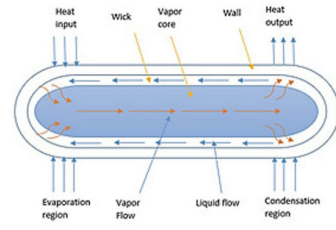
Volume 10, Issue 4, 2023

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The Effect of Wick Permeability and Porous Radius on Capillary and Entrainment Limit in A Heat Pipe Reactor 279-285

Gizem Bakir

This study aims to determine the optimum effective porous radius and wick permeability for this reactor and investigate the effect of effective porous radius and wick permeability on the heat pipe limitations.



Strontium Isotopic, Ostracod fauna, and Paleoenvironmental Features of the Late Miocene Sequence in Mut/Dağpazarı Region (Southern Turkey) 287-299

Umit Safak, Hande Sonsun and Nusret Nurlu

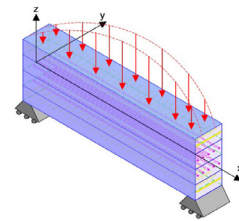
The study conducted a comprehensive examination of the Middle-Late Miocene period in the Dağpazarı, Ballı, and Mut Formations by analyzing the ostracod fauna and utilizing strontium isotope chemostratigraphic dating.



Bending of a Cross-Ply Laminated Composite Beam Under a Sinusoidal Transverse Loading 301-307

Fatih Karaçam

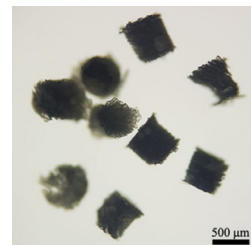
Bending of a laminated composite beam under to a sinusoidal loading is carried out for simply support boundary condition for a specific cross-ply stacking sequence. To demonstrate the accuracy of the analytical results, a computer-aided engineering (CAE) approach is used.



Nucleobase-Modified Microgels Synthesized via Microfabrication Technology for DNA Adsorption 309-315

Kemal Cetin

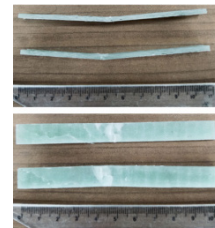
The objective of this study is to fabricate micron-sized hydrogels as adsorbents for DNA.



Mechanical and Tribological Properties of Carbon Fiber/Glass Fiber-Reinforced Epoxy Hybrid Composites Filled with Al2O3 Particles 317-322

Cantekin Kaykilarli, Aymurat Haydarov, Duygu Kose and Hasibe Aygul Yeprem

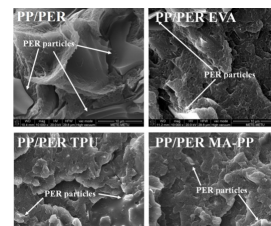
In this study, we produced Aluminum oxide (Al₂O₃) reinforced carbon fiber and glass fiber reinforced polymer (CFRP, GFRP) composites and investigated mechanical and tribological properties.



Optimizing Perlite-Polymer Interface Interactions in Composites based on Polypropylene via the Utilization of Several Compatibilizers 323-329

Cagrialp Arslan, Umit Tayfun and Mehmet Dogan

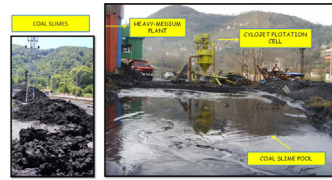
In this work, three distinct compatibilizers were introduced to composites based on polypropylene (PP) and perlite to improve interactions between the constituents.



*Performance Comparison of Waste Cooking Oil on Coal Slime Flo-
tation with Sunflower Oil and Gas Oil* 337-337

Dilek Senol Arslan and Hasan Hacifazlioglu

This study explores the potential use of waste cooking sunflower oil (WSO) as an eco-friendly collector for coal slime flotation.



*Thermodynamic Analysis of the Integrated System that Produces Energy by
Gradual Expansion from the Waste Heat of the Solid Waste Facility* 339-348

Ahmet Elbir

Especially when considering the amount of power used in waste plants and the corresponding waste heat generated, an approach to recover waste heat from these facilities has been proposed.

