



Journal of Science

Volume: 16, Issue: 3, Year: 2020

Contact

Manisa Celal Bayar University

Institute of Natural and Applied Sciences

Campus of Şehit Prof Dr İlhan Varank 45140 Yunus Emre – MANİSA, TURKEY

Tel: (00 90) 236 201 27 05

Fax: (00 90) 236 241 21 49

e-mail: cbujos@gmail.com

Web: <http://dergipark.gov.tr/cbayarfbe>

“CBU Journal of Science is indexed by ULAKBIM-TUBITAK TR-DIZIN”



ISSN 1305-130X

E-ISSN 1305-1385

CBUJOS is published quarterly at Manisa Celal Bayar University Printing House

“CBU Journal of Science is a refereed scientific journal”



Celal Bayar University Journal of Science

Owner

Manisa Celal Bayar University,

Editors : Assoc. Prof. Dr. Kamil ŞİRİN

Assist. Prof. Dr. Emine KEMİKLİOĞLU

Assistant Editor: Assoc. Prof. Dr. Mustafa AKYOL

Layout Editor & Secretary

İlker Çetin KESKİN

International Scientific Advisory Board

Prof. Dr. Arianit REKA; State University of Tetova, Macedonia

Prof. Dr. Tomasz NIEMIEC; Warsaw University of Life Sciences, Poland

Prof. Dr. Alyani ISMAIL; Universiti Putra, Malaysia

Prof. Dr. Iuliana APRODU; Dunarea de Jos University, Romania

Assoc. Prof. Dr. Johanan Christian PRASANNA; Madras Christian College, South India

Assoc. Prof. Dr. Noureddine ISSAOUI; Université de Monastir, Tunisie.

Assoc. Dr. Edward Albert UECKERMANN; North-West University, South Africa

Assoc. Dr. Zhi-Qiang ZHANG; The University of Auckland, Holland

Assist. Prof. Dr. Young Ki KIM; Pohang University of Science and Technology, South Korea

Assist. Prof. Can BAYRAM; University of Illinois, USA

Assist. Prof. Dr. Mona MIRHEYDARI; Rutgers University, USA

Assist. Prof. Dr. Donatella ALBANESE; Università Degli Studi Di Salerno, Italy

Assist. Prof. Dr. Jinghua JIANG; The University of Memphis, USA

Assist. Prof. Dr. Jens OLDELAND; University of Hamburg, Germany

Dr. Cheng CHENG; Apple Inc., USA

Dr. Sajedah AFGHAH; Microsoft Corporation, USA

Dr. Jinghua JIANG; The University of Memphis

National Scientific Advisory Board

Prof. Dr. Mustafa Ersöz; Selçuk University

Prof. Dr. Oğuz Gürsoy; Mehmet Akif University

Prof. Dr. Mehmet Çevik; İzmir Katip Çelebi University

Prof. Dr. Sezgin Çelik; Yıldız Teknik University

Prof. Dr. Osman Dayan; Çanakkale Onsekiz Mart University

Prof. Dr. Serdar İplikçi; Pamukkale University

Prof. Dr. Yasin Üst; Yıldız Teknik University

Prof. Dr. Mahmut Kuş; Konya Teknik University

Prof. Dr. Ertuğ Gundüz; Hacettepe University

Prof. Dr. Tülin Aydemir; Manisa Celal Bayar University

Prof. Dr. Sezai Taşkın; Manisa Celal Bayar University

Prof. Dr. Fatma Şaşmaz Ören; Manisa Celal Bayar University

Assoc. Prof. Dr. Fatih Doğan; Çanakkale Onsekiz Mart University

Assoc. Prof. Dr. Erol Akpınar; Abant İzzet Baysal University

Assoc. Prof. Dr. Yeliz Yıldırım; Ege University

Assoc. Prof. Dr. Serap Derman; Yıldız Teknik University

Assoc. Prof. Dr. Hayati Mamur; Manisa Celal Bayar University

Assoc. Prof. Dr. Fatih Selimefendigil; Manisa Celal Bayar University

Assoc. Prof. Dr. Özlem Çağındı; Manisa Celal Bayar University

Assoc. Prof. Dr. Osman Çulha; Manisa Celal Bayar University

Assoc. Prof. Dr. Ali Demir; Manisa Celal Bayar University

Assoc. Prof. Dr. Ali Konuralp; Manisa Celal Bayar University

Assist. Prof. Dr. Nil Mansuroğlu; Ahi Evran University

Assist. Prof. Dr. Zeynep Çipiloğlu Yıldız; Manisa Celal Bayar University



CBU Journal of Science

Celal Bayar University Journal of Science (CBUJOS) covers scientific studies in the fields of Engineering and Science and publishes accounts of original research articles concerned with all aspects of experimental and theoretical studies. CBU Journal of Science is a refereed scientific journal published four times annually (March, June, September and December) by Institute of Natural and Applied Sciences of Manisa Celal Bayar University. CBU Journal of Science considers the original research articles written in English for evaluation.

CBU Journal of Science is indexed by TUBİTAK ULAKBİM TR-DİZİN, and also is included in DOAJ, Cite Factor, Journal TOCS, Advanced Science Index and OAJI databases. Digital Object Identifier (DOI) number will be assigned for all the articles being published in CBU Journal of Science.

Instructions for Authors and Article Template can be found on the main page of MCBU Institute of Natural and Applied Sciences (<http://fbe.cbu.edu.tr>)





Vol: 16, Issue: 3, Year: 2020

Contents

Research Article

Pages

- Droplet-based Microfluidic Device for the Synthesis of Silica Nanoparticles
DOI: 10.18466/cbayarfbe.729586
Arsalan Nikdoost, Emine Yegân Erdem 245-249
- Chemical Composition of *Taxus baccata* L. Leaves and Male Cones Water: Methanol Extracts
DOI: 10.18466/cbayarfbe. 689482
Younes Shirmohammadli, Seyyed Khalil Hosseinihashemi, Abbas Jalaligoldeh, Davood Efhamisisi, Seyed Hashem Mousavinezhad 251-255
- Effect of emulsion formulation on characteristics of pea protein-stabilized oil-in-water emulsions
DOI: 10.18466/cbayarfbe.752703
Aslı Can Karaça 257-261
- Predicting Mixing and Compaction Temperatures of Polymer Modified Bitumen
DOI: 10.18466/cbayarfbe.706537
Ali Almusawi, Burak Şengöz, Derya Kaya Özdemir, Ali Topal 263-268
- Artificial Intelligence in Building Information Modeling Research: Country and Document-based Citation and Bibliographic Coupling Analysis
DOI: 10.18466/cbayarfbe.750565
Gözde Başak Öztürk, Mert Tunca 269-279
- Investigation of The Effect of Aggregate Type on Concrete Cost: Example of Adıyaman
DOI: 10.18466/cbayarfbe.729086
Kadir Güçlüer, Osman Günaydın, Samet Göymen 281-284
- Copper Nanoparticles Supported on a Schiff base-Fullerene as Catalyst for Reduction of Nitrophenols and Organic Dyes
DOI: 10.18466/cbayarfbe.742711
Serkan Dayan 285-291
- Synthesis and Characterization of Barium Titanate Nanopowders by Pechini Process
DOI: 10.18466/cbayarfbe.734061
Pelin Sözen Aktaş 293-300
- The Expressions of Small Ubiquitin-like Modifier (SUMO) Related Genes Under Metal (Cu, Zn and Fe) Toxicity in *Arabidopsis thaliana*
DOI: 10.18466/cbayarfbe.716691
Barış Uzılday 301-305
- Real-Time Prediction of Electricity Distribution Network Status Using Artificial Neural Network Model: A Case Study in Salihli (Manisa, Turkey)
DOI: 10.18466/cbayarfbe.740343
Mahmut Sayar, Hilmi Yüksel 307-321



Classification of Haploid and Diploid Maize Seeds based on Pre-Trained Convolutional Neural Networks DOI: 10.18466/cbayarfbe.742889 Emrah Dönmez	323-331
Inferences from Bootstrap Method for Ability Parameters in 2-Parameter Logistic Model DOI: 10.18466/cbayarfbe.622868 Hülya Olmuş, Ezgi Nazman	333-338
Pointwise Bi-Slant Submersions DOI: 10.18466/cbayarfbe.683771 Sezin Aykurt Sepet	339-343
Optimization of Base Energy Resolution in Hemispherical Deflector Analyzer by using Genetic Algorithm DOI: 10.18466/cbayarfbe.681519 Murat İnce, Nimet Işık	345-349
Coefficient Estimates for Certain Subclasses of Analytic Functions Defined by New Differential Operator DOI: 10.18466/cbayarfbe.685759 Sibel Yalçın, Hasan Bayram	351-354