

## PAPER DETAILS

TITLE: Contents, Volume 14, Issue 4, 2018

AUTHORS: Kenan DOST, Mustafa OSKAY

PAGES: 1-1

ORIGINAL PDF URL: <https://dergipark.org.tr/tr/download/article-file/609040>



## Journal of Science

Volume: 14, Issue: 4, Year: 2018

### 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 00

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

Prof. Dr. Kenan DOST, Manisa Celal Bayar University, Department of Chemistry on behalf of the Institute of Natural and Applied Sciences

### Editor

Prof. Dr. Kenan DOST, Manisa Celal Bayar University, Department of Chemistry

Prof. Dr. Mustafa OSKAY, Manisa Celal Bayar University, Department of Biology

### Language Editor

Asst. Prof. Dr. Ahmet Gökhan BİÇER, Manisa Celal Bayar University, Department of English Language and Literature

### International Scientific Advisory Board

Prof. Dr. Thomas MAVROMOUSTAKOS, Chemistry Department of Kapodistrian University of Athens, Greece

Prof. Dr. Brahim HNICH, Izmir University of Economics, Faculty of Engineering and Computer Sciences, Department of Computer Engineering, Izmir, Turkey

Prof. Dr. Thamer Ahmad MOHAMMAD, Department of Civil Engineering, Faculty of Engineering, Universiti Putra Malaysia, Malaysia

Assoc. Prof. Dr. Nur Izura UDZIR, Head of the Department of Computer Science, Faculty of Computer Science and Information Technology, Universiti Putra Malaysia, Serdang, Selangor, Malaysia

Assoc. Prof. Dr. Barbara MESSINA, Università Degli Studi Di Salerno, Department of Civil Engineering, Salerno, Italy

Assoc. Prof. Dr. Alyani Binti ISMAIL, Department of Computer and Communication Systems Engineering, Universiti Putra Malaysia, Serdang, Malaysia

Assoc. Prof. Dr. Zoran MARKOV, Faculty of Mechanical Engineering, University Ss. Cyril and Methodius in Skopje, Macedonia

Asst. Prof. Dr. Donatella ALBANESE, Department of Industrial Engineering, University of Salerno, Italy

Adj. Prof. Dr. Mary KALAMAKI, Division of Technology and Science, American College of Thessaloniki, Greece

Dr Jens OLDELAND, Biocentre Klein Flottbek and Botanical Garden, University of Hamburg, Germany

Dr Shri SHAJI, Department of Geology, University of Kerala, India

### National Scientific Advisory Board

Prof. Dr. Brahim HNICH, Izmir University of Economics, Faculty of Engineering and Computer Sciences, Department of Computer Engineering, Izmir, Turkey

Prof. Dr. Erhan PESEN, Manisa Celal Bayar University, Department of Physics

Prof. Dr. Necdet BİLDİK, Manisa Celal Bayar University, Department of Mathematics

Prof. Dr. Şenay AYDIN, Manisa Celal Bayar University, Department of Agricultural Sciences, Alaşehir, Manisa

Prof. Dr. Neriman BAĞDATLIOĞLU, Manisa Celal Bayar University, Department of Food Engineering

Prof. Dr. Üsâme TAMER, Manisa Celal Bayar University, Department of Biology

Prof. Dr. Funda DEMİRHAN, Manisa Celal Bayar University, Department of Chemistry

Prof. Dr. Sezai TAŞKIN, Manisa Celal Bayar University, Department of Electrical and Electronics Engineering

Assoc. Prof. Dr. Hülya DURMUŞ, Manisa Celal Bayar University, Engineering Faculty, Materials Engineering Department,

Assoc. Prof. Dr. Murat UYGUN, Adnan Menderes University, Koçarlı Vocational School, Aydın

Assoc. Prof. Dr. Pınar MIZRAK ÖZFİRAT, Manisa Celal Bayar University, Engineering Faculty, Industrial Engineering Department, Manisa, Turkey

Assoc. Prof. Dr. Ali DEMİR, Manisa Celal Bayar University, Department of Civil Engineering, Manisa, Turkey

Assoc. Prof. Dr. Ali KONURALP, Manisa Celal Bayar University, Department of Mathematics, Manisa

Asst. Prof. Dr. Gülen Yıldız TURP, Ege University, Department of Food Engineering, İzmir, Turkey

Asst. Prof. Dr. Hilal YILDIZ, Nevşehir Hacı Bektaş Veli University, Faculty of Engineering and Architecture, Food Engineering Department, Nevşehir

Asst. Prof. Dr. İlhan BAŞTÜRK, Adnan Menderes University, Faculty of Engineering, Electrical and Electronics Engineering, Aydın

Asst. Prof. Dr. Levent PARALI, Manisa Celal Bayar University, Electronics and Automation Department, Manisa, Turkey

Asst. Prof. Dr. Soner ŞEKER, Uşak University, Engineering Faculty, Civil Engineering Department, Uşak



## **CBU Journal of Science**

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. Articles are written in English are accepted to be evaluated.

Articles are accepted related to scientific areas below;

Basic and Applied Sciences (Physics, Chemistry, Biology, Mathematics, Statistics etc.), Engineering Sciences (Mechanical, Civil, Food, Industrial, Electrical and Electronic etc.)

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: 14, Issue: 4, Year: 2018**

**Contents**

<b><u>Research Articles</u></b>	<b><u>Pages</u></b>
Some Null Quaternionic Curves in Minkowski Spaces (Research Article) DOI: 10.18466/cbayarfbe.376273 Tanju Kahraman	357-361
Synthesis and Usage of Active Modified Zn-Zeolite as an Antibacterial Agent (Research Article) DOI: 10.18466/cbayarfbe.376580 Candan Akca, Ayşegül Ekmekçi Körlü, Mustafa Ateş	363-368
<i>In Vitro</i> Propagation of Wetland Medicinal Plant <i>Lythrum salicaria</i> L. (Research Article) DOI: 10.18466/cbayarfbe.393626 Betül Akın, Burcu Çetin, Nüket Akanıl Bingöl	369-372
Investigation of Phase Transitions in Nematic Liquid Crystals by Fractional Calculation (Research Article) DOI: 10.18466/cbayarfbe.393700 Müjde Durukan Gültepe, Zekai Tek	373-377
An Approach to Estimate Aircraft Fuel Consumption for the Descent Phase (Research Article) DOI: 10.18466/cbayarfbe.405224 Özlem Şahin, Çerkez Ağayeva	379-383
Investigation of the Fluctuation Size in Thrust Force and Chip Morphology in Drilling (Research Article) DOI: 10.18466/cbayarfbe.409399 Zülküf Demir	385-397
Exogenous Polyamine Treatment Prevents UV-A Induced Cellular Damage and Photoinhibition of Photosystem II in Lichen <i>Physcia semipinnata</i> (J. F. Gmel.) Moberg (Research Article) DOI: 10.18466/cbayarfbe.410546 Dilek Ünal, İnci Tüney Kızılkaya	399-404
Optimization of Cryopreservation Process Using Response Surface Methodology for <i>Chlorella saccharophila</i> and <i>Chlorella zofingiensis</i> (Research Article) DOI: 10.18466/cbayarfbe.426444 Zeliha Demirel, Esra Imamoglu, Irem Deniz, Meltem Conk Dalay	405-412



- Optimal Site Selection for a Solar Power Plant in Turkey Using a Hybrid AHP-TOPSIS Method  
(Research Article) 413-420  
DOI: 10.18466/cbayarfbe.432432  
Merve Akçay, Mehmet Atak
- Analysis of Solar Radiation Data in Van, Turkey  
(Research Article) 421-427  
DOI: 10.18466/cbayarfbe.434552  
İrfan Uçkan
- Seiberg-Witten-Like Equations on 8-Manifolds without Self-Duality  
(Research Article) 429-433  
DOI: 10.18466/cbayarfbe.448934  
Serhan Eker
- Different Extraction Techniques on the Characteristic Properties of Valonea Tannin  
(Research Article) 435-442  
DOI: 10.18466/cbayarfbe.449605  
Ersin Onem, Ali Yorgancioglu, Onur Yilmaz
- Regression Analysis of Soil Compaction Parameters Using Support Vector Method  
(Research Article) 443-447  
DOI: 10.18466/cbayarfbe.449644  
Osman Günaydin, Abdurrahman Özbeyaz, Mehmet Söylemez
- Papain Immobilization on NiFe<sub>2</sub>O<sub>4</sub> Magnetic Nanoparticles Functionalized with Gallic Acid and Microwave Assisted Digestion of Bovine Serum Albumin  
(Research Article) 449-454  
DOI: 10.18466/cbayarfbe.453636  
Nuray Güy
- Visualization of Human Kidney Embryonic Cells by Acoustic Microscopy  
(Research Article) 455-460  
DOI: 10.18466/cbayarfbe.454158  
Bukem Bilen, Nural Pastaci Ozsobaci, Fatma Ates Alkan, Mehmet Burcin Unlu
- Microbiological Quality of Eight Wild Edible Mushroom Species from Turkey  
(Research Article) 461-463  
DOI: 10.18466/cbayarfbe.455754  
Bülent Ergönül, Fatih Kalyoncu, Ilgaz Akata
- Corrosion and Wear Properties of Cu-TiC Composites Produced by Hot Pressing Technique  
(Research Article) 465-469  
DOI: 10.18466/cbayarfbe.461839  
Mehmet Akkaş, Serkan Islak, Cihan Özorak



- Aircraft Maintenance Technical Education: A Research on Professional Exams  
(*Research Article*) 471-477  
DOI: 10.18466/cbayarfbe.461965  
Savaş S. Ateş, Haşim Kafalı, Hasan Lik
- Tensile Deformation Behavior of Ultrasonically Consolidated Laminated Ti-Al Composites  
at Warm Forming Temperatures  
(*Research Article*) 479-483  
DOI: 10.18466/cbayarfbe.464135  
İrfan Kaya
- Comparative Performance Analysis of Techniques for Automatic Drug Review Classification  
(*Research Article*) 485-490  
DOI: 10.18466/cbayarfbe.481096  
Alper Kürşat Uysal