

## **Mühendislik ve Mimarlık Fakültesinden Literatüre Büyük Katkı**

Üniversitemiz Mühendislik ve Mimarlık Fakültesinin değerli öğretim üyeleri tarafından SCI, SCI-Expanded ve E-SCI endeksli saygın uluslararası dergilerde literatüre kazandırılan, İzmir Bakırçay Üniversitesi adresli makale sayısı 2019 yılında 12 adet ve 2020 yılının ilk 8 ayında ise 41 adet makaleye ulaşmıştır (Toplam 53). Yıl sonuna kadar bu sayının daha da fazla olması beklenmektedir. Değerli hocalarımızı bu önemli başarıdan dolayı tebrik ederiz.

## **SCI, SCI-Expanded ve E-SCI Endekslerine Giren Dergilerde Yayımlanan Makaleler (Soyisim sıralamasına göre)**

### **2020 Yılı**

1. **TARKAN AKDERYA**, Uğur Özmen, Buket Okutan Baba, Investigation of long-term ageing effect on the thermal properties of chicken feather fibre/poly(lactic acid) biocomposites, JOURNAL OF POLYMER RESEARCH, 2020, (SCI-Expanded)
2. **TARKAN AKDERYA**, Mehmet Çevik, Onur Sayman, Influence of thermal ageing on tensile performance of E-glass fibre/epoxy composite joints bonded with a diverse set of adhesives, THE JOURNAL OF ADHESION, 2020, (SCI)
3. **VAHİD K. AKRAM**, An Asynchronous Distributed Algorithm for Minimum s - t Cut Detection in Wireless Multi-hop Networks, AD HOC NETWORKS, 2020, (SCI-Expanded)
4. **HİLAL ARSLAN**, A Parallel Fully Dynamic Iterative Bio-Inspired Shortest Path Algorithm, ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, 2020, (SCI-Expanded)
5. **MUSTAFA AVCI**, Şeyda Ayşe Topaloğlu, A mathematical programming-based heuristic for the production routing problem with transshipments, COMPUTERS OPERATIONS RESEARCH, 2020, (SCI-Expanded)
6. **AHMET AYDOĞAN**, An inclusive analysis of inductive dielectric and/or metallic discontinuities in a rectangular waveguide, MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, 2020 (SCI-Expanded)
7. **MUSTAFA BERKAN BİÇER**, A Novel Coplanar Waveguide-Fed Compact Microstrip Antenna for Future 5G Applications, TEHNIČKI GLASNIK, 2020, (ESCI)
8. M.U Koyuncuoğlu, **LEYLA DEMİR**, Buffer capacity allocation in unreliable production lines: An adaptive large neighborhood search approach, ENGINEERING SCIENCE AND TECHNOLOGY, AN INTERNATIONAL JOURNAL, 2020 (SCI-Expanded)
9. M.U Koyuncuoğlu, **LEYLA DEMİR**, A comparison of combat genetic and big bang-big crunch algorithms for solving the buffer allocation problem", JOURNAL OF INTELLIGENT MANUFACTURING, 2020 (SCI-Expanded)
10. **ONUR DOĞAN**, Muhammet Deveci, Fatih Canitez, Cengiz Kahraman, A corridor selection for locating autonomous vehicles using an interval-valued intuitionistic fuzzy AHP and TOPSIS method, SOFT COMPUTING, 2020, (SCI-Expanded)
11. **ONUR DOĞAN**, Başar Öztayşi, Carlos Fernandez Llatas, Segmentation of indoor customer paths using intuitionistic fuzzy clustering: Process mining visualization, JOURNAL OF INTELLIGENT FUZZY SYSTEMS, 2020, (SCI)
12. Damla Kızılay, Pascal Van Hentenryck, **DENİZ TÜRSEL ELİİYİ**, Constraint Programming Models for Integrated Container Terminal Operations, EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, 2020, (SCI-Expanded)
13. Volkan Rodoplu, Mert Nakıp, **DENİZ TÜRSEL ELİİYİ**, Cüneyt Güzelış, A Multi-Scale Algorithm for Joint Forecasting-Scheduling to Solve the Massive Access Problem of IoT, IEEE INTERNET OF THINGS JOURNAL, 2020, (SCI-Expanded)

14. Hande Öztıp, Mehmet Fatih Taşgetiren, **DENİZ TÜRSEL ELİİYİ**, Quan Ke Pan, Levent Kandiller, An energy-efficient permutation flowshop scheduling problem, EXPERT SYSTEMS WITH APPLICATIONS, 2020, (SCI-Expanded)
15. Hande Öztıp, Mehmet Fatih Taşgetiren, Levent Kandiller, **DENİZ TÜRSEL ELİİYİ**, Liang Gao, Ensemble of metaheuristics for energy-efficient hybrid flowshops: Makespan versus total energy consumption, SWARM AND EVOLUTIONARY COMPUTATION, 2020, (SCI-Expanded)
16. Damla Kızılay, **DENİZ TÜRSEL ELİİYİ**, A comprehensive review of quay crane scheduling, yard operations and integrations thereof in container terminals, FLEXIBLE SERVICES AND MANUFACTURING JOURNAL, 2020, (SCI-Expanded)
17. Rowanda Ahmed, Gökhan Dalkılıç, **YUSUF MURAT ERTEEN**, DGStream: High quality and efficiency stream clustering algorithm, Expert Sytems with Applications, 2020, (SCI-Expanded)
18. Erol Turkes, Mehmet Erdem, **KADİR GÖK**, Arif Gök, Development of a new model for determine of cutting parameters in metal drilling processes, JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, 2020, (SCI-Expanded)
19. Yavuz Pirhan, **KADİR GÖK**, Arif Gök, Comparison of two different bowel anastomosis types using finite volume method, COMPUTER METHODS IN BIOMECHANICS AND BIOMEDICAL ENGINEERING, 2020, (SCI-Expanded)
20. Burcu Felekoğlu, Adil Baykasoğlu, **İLKER GÖLCÜK**, A FCM-Based Systematic Approach for Building and Analyzing Problem Solving Networks in Open Innovation, JOURNAL OF MULTIPLE-VALUED LOGIC AND SOFT COMPUTING, 2020, (SCI-Expanded)
21. Adil Baykasoğlu, **İLKER GÖLCÜK**, Revisiting ranking accuracy within WASPAS method, KYBERNETES, 2020, (SCI-Expanded)
22. **İLKER GÖLCÜK**, Fehmi Burcin Ozsoydan, Evolutionary and adaptive inheritance enhanced Grey Wolf Optimization algorithm for binary domains, KNOWLEDGE-BASED SYSTEMS, 2020, (SCI-Expanded)
23. **ÜMİT HÜSEYİN KAYNAR**, Sermin Çam Kaynar, Mehmet Ayvacıklı, Yüksel Karabulut, G.O, Souadi, N Can, Influence of laser excitation power on temperature-dependent luminescence behaviour of Ce- and Tb-incorporated BaMgAl<sub>10</sub>O<sub>17</sub> phosphors, RADIATION PHYSICS AND CHEMISTRY, 2020, (SCI-Expanded)
24. Ziyafer Gizem Portakal Uçar, Sibel Akça, Tamer Doğan, Yusuf Ziya Halefoğlu, **ÜMİT HÜSEYİN KAYNAR**, Mehmet Ayvacıklı, Guinea J Garcia, Mustafa Topaksu, N Can, Comprehensive study of photoluminescence and cathodoluminescence of Eu and Tb doped Mg<sub>2</sub>SiO<sub>4</sub> prepared via a solid-state reaction technique, OPTICAL MATERIALS, 2020, (SCI-Expanded)
25. Ziyafer Gizem Portakal Uçar, **ÜMİT HÜSEYİN KAYNAR**, Tamer Doğan, Go Souadi, Mehmet Ayvacıklı, Adil Canimoglu, Mustafa Topaksu, N Can, Thermoluminescence behaviour of europium doped magnesium silicate after beta exposure, OPTICAL MATERIALS, 2020, (SCI-Expanded)
26. **ÜMİT HÜSEYİN KAYNAR**, Sermin Çam Kaynar, Y Alajlani, Mehmet Ayvacıklı, Elçin Ekdal Karalı, Yüksel Karabulut, Sibel Akça, Turgay Karalı, N Can, Eu<sup>3+</sup> and Dy<sup>3+</sup> doped La<sub>2</sub>MoO<sub>6</sub> and La<sub>2</sub>Mo<sub>2</sub>O<sub>9</sub> phosphors: Synthesis and luminescence properties, MATERIALS RESEARCH BULLETİN, 2020, (SCI-Expanded)
27. Mehmet Ayvacıklı, **ÜMİT HÜSEYİN KAYNAR**, Yüksel Karabulut, A Canımoğlu, M Bakr, Sibel Akça, N Can, Synthesis and photoluminescence characteristics of Dy incorporated MoO<sub>3</sub> phosphor: Suppression concentration quenching, APPLIED RADIATION AND ISOTOPES, 2020, (SCI-Expanded)
28. M Bakr, **ÜMİT HÜSEYİN KAYNAR**, Mehmet Ayvacıklı, S Benourджа, Yüksel Karabulut, A Hammoudeh, N Can, Synthesis and competitive luminescence quenching mechanism of Ca<sub>3</sub>Al<sub>2</sub>O<sub>6</sub>:Ln<sup>3+</sup> (Ln: Dy and Sm) phosphors, MATERIALS RESEARCH BULLETİN, 2020, (SCI-Expanded)
29. Nil Küçük, **ÜMİT HÜSEYİN KAYNAR**, Sibel Akça, Y, Alajlani, Liu Yin, Yang Wang, Guinea J Garcia, Kenan Bulcar, T Doğan, Yüksel Karabulut, Mehmet Ayvacıklı, A Canımoğlu, Mustafa Topaksu, N Can, Enhancing the blue luminescence behaviour of the Li co-doped novel phosphor ZnB<sub>2</sub>O<sub>4</sub>: Tm<sup>3+</sup>, JOURNAL OF ALLOYS AND COMPOUNDS, 2020, (SCI-Expanded)

30. Saadia Benourdja, Mohammed Bakr, Ziyafer Gizem PORTAKAL, Mehmet Yüksel, **ÜMİT HÜSEYİN KAYNAR**, Mehmet Ayvacikli, Mustafa Topaksu, Ayman Hammoudeh, Nurdogan Can, Thermoluminescence properties of beta particle irradiated  $\text{Ca}_3\text{Al}_2\text{O}_6$  phosphor relative to environmental dosimetry, JOURNAL OF LUMINESCENCE, 2020, (SCI-Expanded)
31. Fatih Yücalar, Akın Özçift, Emin Borandağ, **DENİZ KILINÇ**, Multiple-classifiers in software quality engineering: Combining predictors to improve software fault prediction ability, ENGINEERING SCIENCE AND TECHNOLOGY, AN INTERNATIONAL JOURNAL , 2020, (SCI-Expanded)
32. Ljubisa Dr Kocinac, **ŞÜKRAN KONCA**, Set-Menger and Related Properties, TOPOLOGY AND İTS APPLİCATIONS, 2020, (SCI-Expanded)
33. **CEM KOSEMEN**, Derya Birant, Multi-label classification of line chart images using convolutional neural networks, SN APPLIED SCIENCES, 2020, (E-SCI)
34. Ömer AYDIN, **CEM KÖSEMEN**, Xorshift+: A novel hybrid random number generator for internet of things and wireless sensor network applications, PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES, 2020, (E-SCI)
35. **SEL ÖZCAN TATARİ**, **DENİZ TÜRSEL ELİİYİ**, Line Blander Reinhardt, Cargo allocation and vessel scheduling on liner shipping with synchronization of transshipments, APPLIED MATHEMATICAL MODELİNG, 2020, (SCI-Expanded)
36. Mert Turgut, **OĞUZ EMRAH TURGUT**, **DENİZ TÜRSEL ELİİYİ**, Island-based Crow Search Algorithm for solving optimal control problems, APPLIED SOFT COMPUTİNG, 2020, (SCI-Expanded)
37. Mert Sinan Turgut, **OGUZ EMRAH TURGUT**, Global best-guided oppositional algorithm for solving multidimensional optimization problems, ENGINEERING WITH COMPUTERS, 2020, (SCI-Expanded)
38. Mert Sinan Turgut, **OGUZ EMRAH TURGUT**, Differential evolution based global best algorithm: an efficient optimizer for solving constrained and unconstrained optimization problems, SN APPLIED SCIENCES, 2020, (E-SCI)
39. Mert Sinan Turgut, H. Muzaffer Sağban, **OGUZ EMRAH TURGUT**, **ÖZGE TÜZÜN ÖZMEN**, Whale optimization and sine–cosine optimization algorithms with cellular topology for parameter identification of chaotic systems and Schottky barrier diode models, SOFT COMPUTİNG, 2020, (SCI-Expanded)
40. Murat Erşen Berberler, **ONUR UĞURLU**, Zeynep Nihan Berberler, Independent strong weak domination: A mathematical programming approach, Discrete Mathematics, ALGORİTHMS AND APPLİCATIONS, 2020, (E-SCI)
41. **PELİN YILDIRIM TAŞER**, Kökten Ulaş Birant, Derya Birant, Multitask-based association rule mining , Turkish Journal of Electrical Engineering and Computer Sciences , 2020, (SCI-Expanded)

## **2019 Yılı**

1. **BAHAR DEMİRTURK BİTİM**, Refik Keskin, On solutions of the diophantine equation  $F_n - F_m = 3(a)$ , PROCEEDINGS OF THE INDIAN ACADEMY OF SCIENCES-MATHEMATICAL SCIENCES, 2019, (SCI-Expanded)
2. **BAHAR DEMİRTURK BİTİM**, On the Diophantine equation  $L_n - L_m = 2 \cdot 3(a)$ , PERIODICA MATHEMATICA HUNGARICA, 2019, (SCI-Expanded)
3. **BAHAR DEMİRTURK BİTİM**, Nazim Topal,  $(p, q)$ -fibonacci and  $(p, q)$ -lucas sums by the derivatives of some polynomials, COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, 2019, (E-SCI)
4. **BAHAR DEMİRTURK BİTİM**, Nazim Topal, Quaternions via generalized fibonacci and lucas number components, MATHEMATICAL REPORTS, 2019, (SCI-Expanded)

5. **ONUR DOGAN**, Basar Oztaysi, Genders prediction from indoor customer paths by Levenshtein-based fuzzy kNN, EXPERT SYSTEMS WITH APPLICATIONS, 2019, (SCI-Expanded)
6. **ONUR DOGAN**, Gizem Kaya, Aycan Kaya, Hidayet Beyhan, Catastrophic Household Expenditure for Healthcare in Turkey: Clustering Analysis of Categorical Data, DATA, 2019, (E-SCI)
7. **ONUR DOGAN**, Antonio Martinez-Millana, Eric Rojas, Marcos Sepulveda, Jorge Munoz-Gama, Vicente Traver, Carlos Fernandez-Llatas, Individual Behavior Modeling with Sensors Using Process Mining, ELECTRONICS, 2019, (SCI-Expanded)
8. Hande Oztop, M. Fatih Tasgetiren, **DENİZ TURSEL ELİİYİ**, Quan-Ke Pan, Metaheuristic algorithms for the hybrid flowshop scheduling problem, COMPUTERS & OPERATIONS RESEARCH, 2019 (SCI-Expanded)
9. Bahar Tasar, **DENİZ TURSEL ELİİYİ**, Levent Kandiller, Vehicle routing with compartments under product incompatibility constraints, PROMET-TRAFFIC & TRANSPORTATION, 2019, (SCI-Expanded)
10. Adil Baykasoglu, **ILKER GÖLCÜK**, An Interactive Data-Driven (Dynamic) Multiple Attribute Decision Making Model via Interval Type-2 Fuzzy Functions, MATHEMATICS, 2019, (SCI-Expanded)
11. **ÖZGE TÜZÜN ÖZMEN**, Mehmet Karaman, Salar Habibpur Sedani, Hüseyin Muzaffer Şağban, Raşit Turan, Solid phase epitaxial thickening of boron and phosphorus doped polycrystalline silicon thin films formed by aluminium induced crystallization technique on glass substrate, THIN SOLID FILMS, 2019, (SCI-Expanded)
12. Mert Sinan Turgut, **OGUZ EMRAH TURGUT**, Haitham Abdulmohsin Afan, Ahmed El-Shafie, A novel Master-Slave optimization algorithm for generating an optimal release policy in case of reservoir operation, JOURNAL OF HYDROLOGY, 2019, (SCI-Expanded)

(Kaynak: Web of Science/ YÖK Akademik)