

# JOURNAL OF EMERGING COMPUTER TECHNOLOGIES (JECT)

E-ISSN: 2757-8267

Volume :4

Number:1

Year:2024

## JOURNAL OF EMERGING COMPUTER TECHNOLOGIES (JECT)

VOLUME: 4 ISSUE NO: 1 YEAR: 2024 PERIOD: JANUARY-DECEMBER  
e-ISSN: 2757-8267



INTERNATIONAL, OPEN ACCESS, PEER-REVIEWED JOURNAL

<http://dergipark.org.tr/ject>



  
İZMİR AKADEMİ  
DERNEĞİ



**JOURNAL OF EMERGING COMPUTER TECHNOLOGIES  
(JECT)**

is indexed and abstracted by



**Index Copernicus**



**ROAD**



**Google Scholar**



**Asian Science Citation Index (ASCI)**



**Harvard Hollis**



**Asos Index**



**ResearchGate**



**Academia.edu**



**Academic Resource Index (Researchbib)**



**OpenAIRE**



**Index of Academic Documents**



**Cosmos**



**EuroPub**



**Academindex**

---

# JOURNAL OF EMERGING COMPUTER TECHNOLOGIES

Volume: 4 No: 1 Year: 2024 Period: January-December

---

**Head Office** : İzmir

**Type of Publication** : It is published electronically once a year, between January and December.

**Owner** : İzmir Akademi Derneği (İzmir Academy Association)

---

**Editor** : Assoc. Prof. Dr. Ömer AYDIN, Manisa Celal Bayar University, İzmir, Türkiye

---

## Editorial Board

---

Prof. Dr. Aybeyan SELIM, International Vision University, North Macedonia  
Prof. Dr. Gokhan DALKILIC, Dokuz Eylul University, Türkiye  
Assoc. Prof. Dr. Amita Nandal, Manipal University Jaipur, India  
Assoc. Prof. Dr. Ömer AYDIN, Manisa Celal Bayar University, İzmir, Türkiye  
Dr. Rehan Ali KHAN, University of Science & Technology Bannu, Pakistan

---

## International Scientific Board

---

Prof. Dr. Aybeyan SELIM, International Vision University, North Macedonia  
Prof. Dr. Doğan AYDIN, İzmir Katip Çelebi University, Türkiye  
Prof. Dr. Gokhan DALKILIC, Dokuz Eylul University, Türkiye  
Prof. Dr. Gözde ULUTAGAY, İstanbul Gedik University, Türkiye  
Prof. Dr. Umit CALI, University of Kent, United Kingdom  
Assoc. Prof. Dr. Ahmet ÇINAR, Fırat University, Türkiye  
Assoc. Prof. Dr. Amita NANDAL, Manipal University Jaipur, India  
Assoc. Prof. Dr. Atanas HRISTOV, University for Information Science and Technology, North Macedonia  
Assoc. Prof. Dr. Azam KORBAYRAM, International Vision University, North Macedonia  
Assoc. Prof. Dr. Muhammet DAMAR, Dokuz Eylul University, Türkiye  
Assoc. Prof. Dr. Murat GEZER, İstanbul University, Türkiye  
Assoc. Prof. Dr. Oğuz YAYLA, Middle East Technical University, Türkiye  
Assoc. Prof. Dr. Ömer AYDIN, Manisa Celal Bayar University, Türkiye  
Assoc. Prof. Dr. Şule ÖZTÜRK BİRİM, Manisa Celal Bayar University, Türkiye  
Assoc. Prof. Dr. Tarık TALAN, Gaziantep Islam Science And Technology University, Türkiye  
Assoc. Prof. Dr. Vildan ATEŞ, Ankara Yıldırım Beyazıt University, Türkiye  
Assist. Prof. Dr. Arvind DHAKA, Manipal University Jaipur, India  
Assist. Prof. Dr. Burak YILMAZ, Konya Technical University, Türkiye  
Assist. Prof. Dr. Enis KARAARSLAN, Mugla Sitki Kocman University, Türkiye  
Assist. Prof. Dr. Gulhan BIZEL, Saint Peter's University, USA  
Assist. Prof. Dr. Mehmet Cem BÖLEN, Ataturk University, Türkiye  
Assist. Prof. Dr. Moharram Challenger, University of Antwerp, Belgium  
Assist. Prof. Dr. Aleksandar Karadimce, University of Information Science and Technology St. Paul the Apostle, North Macedonia  
Assist. Prof. Dr. Ekin EKİNCİ, Sakarya University of Applied Sciences, Türkiye  
Assist. Prof. Dr. Feriştah DALKILIÇ, Dokuz Eylul University, Türkiye  
Assist. Prof. Dr. Güncel SARIMAN, Mugla Sitki Kocman University, Türkiye  
Assist. Prof. Dr. Kaplan KAPLAN, Kocaeli University, Türkiye  
Assist. Prof. Dr. Mansur Alp TOÇOĞLU, İzmir Katip Çelebi University, Türkiye  
Assist. Prof. Dr. Muhammet Sinan BAŞARSLAN, İstanbul Medeniyet University, Türkiye  
Assist. Prof. Dr. Mustafa BATAR, Burdur Mehmet Akif Ersoy University, Türkiye  
Assist. Prof. Dr. Nesibe YALÇIN, Erciyes University, Türkiye  
Assist. Prof. Dr. Oğuzhan KIVRAK, Bandirma Onyedil Eylul University, Türkiye  
Assist. Prof. Dr. Onur ÇAKIRGÖZ, Bartın University, Türkiye

---

# JOURNAL OF EMERGING COMPUTER TECHNOLOGIES

Volume: 4 No: 1 Year: 2024 Period: January-December

---

## International Scientific Board

Assist. Prof. Dr. Sercan YAVAN, Aydın Adnan Menderes University , Türkiye  
Assist. Prof. Dr. Simin GERÇEK, Beykoz University, Türkiye  
Assist. Prof. Dr. Şeyma YÜCEL ALTAY, Ataturk University , Türkiye  
Assist. Prof. Dr. Taner AKKAN, Dokuz Eylül University, Türkiye  
Assist. Prof. Dr. Volkan TUNALI, Maltepe University, Türkiye  
Dr. Aleksandra STOJANOVA ILIEVKSA, Information and Technology University, North Macedonia  
Dr. Erhan POLAT, Ankara University, Türkiye  
Dr. Fehmi SKENDER, International Vision University, North Macedonia  
Dr. Hanefi MERCAN, Türkiye  
Dr. Hüseyin GÜNDÜZ, Anadolu University, Türkiye  
Dr. İlker ALİ, International Vision University, North Macedonia  
Dr. Mehmet GÜÇLÜ, Türkiye  
Dr. Mehmet Ali ÜSTÜNER, Manisa Celal Bayar University, Türkiye  
Dr. Murat EMEÇ, İstanbul University, Türkiye  
Dr. Ramiz YILMAZER, Aviarsis Technology, Türkiye  
Dr. Rehan Ali KHAN, University of Science & Technology Bannu, Pakistan  
Dr. Sümeyye KORKMAZ SARICALAR, Bayburt University, Türkiye

## Advisory Board

---

Prof. Dr Ahmet KAYA, Ege University, Türkiye  
Prof. Dr Aybeyan SELIM, International Vision University, North Macedonia  
Prof. Dr Gokhan DALKILIC, Dokuz Eylul University, Türkiye  
Prof. Dr Yalcin CEBI, Dokuz Eylul University, Türkiye  
Assoc. Prof. Dr Amita Nandal, Manipal University Jaipur, India  
Assoc. Prof. Dr Atanas Hristov, University for Information Science and Technology, North Macedonia  
Assoc. Prof. Dr Mehmet Hilal OZCANHAN, Dokuz Eylul University, Türkiye

---

## Journal of Emerging Computer Technologies

**Address** : Büyükkale Mh. Kerimoğlu Sok. No:40-2 Tire / Izmir, TURKEY

**Web** : <https://dergipark.org.tr/en/pub/ject>

**Email** : izmirakademidernegi@outlook.com

**Email** : izmirakademidernegi@gmail.com

---

Journal of Emerging Computer Technologies publishes scientific/original research articles. It is published electronically twice a year, in June and December. It is an **international scientific refereed journal** that publishes articles written in **English**, and includes academicians from different countries in its boards. Uses "Double-Blind Peer Review" in reviewing processes. It has adopted the open access principle. No fee is requested from the authors for open access, processing, publication fee or otherwise. It is totally **FREE**.

The responsibility of the articles published in this journal in terms of science and language belongs to the authors. The articles published in the journal cannot be used without reference.

---