



# Northern Journal of Health Sciences

North J Health Sci

*Volume 2 / Number 1*

2026



SINOP UNIVERSITY PUBLICATIONS

ISSN: 3062-2247

# NORTHERN JOURNAL of HEALTH SCIENCES

**Volume: 2      Issue: 1      Year: 2026**

**ISSN: 3062-2247**

## **HONORARY EDITOR**

Prof. Şakir TAŞDEMİR  
Rector of Sinop University

## **EDITORS-IN-CHIEF**

Prof. Huriye Demet CABAR  
Dean of the Faculty of Health Sciences,  
Sinop University, Sinop, Türkiye

## **EDITORS**

Assoc. Prof. Dilek SAGIR  
Faculty of Health Sciences, Sinop University, Sinop, Türkiye

Assoc. Prof. Bilge BAL ÖZKAPTAN  
Faculty of Health Sciences, Sinop University, Sinop, Türkiye

## **FIELD EDITORS**

**Prof. Maximilian LACKNER**  
Institute of Advanced Engineering Technologies,  
University of Applied Sciences, Vienna, Austria.

**Assoc. Prof. Abdullah İŞİK**  
Faculty of Health Sciences,  
Sinop University, Sinop, Türkiye

**Assoc. Prof. Gül Sultan ÖZEREN**  
Faculty of Health Sciences,  
Sinop University, Sinop, Türkiye

**Assoc. Prof. Orhan ÇİÇEK**  
Faculty of Dentistry,  
Bulent Ecevit University, Zonguldak, Türkiye

**Assoc. Prof. Ayşe Tuğba ERTÜRK AVUNDUK**  
Faculty of Dentistry,  
Mersin University, Mersin, Türkiye

**Assist. Prof. Çetin ÇOBAN**  
Faculty of Health Sciences,  
Sinop University, Sinop, Türkiye

**Assist. Prof. Gül USLU**  
Faculty of Health Sciences,  
Sinop University, Sinop, Türkiye

**Assist. Prof. Hatice CEYLAN**

Bucak Health School,  
Mehmet Akif Ersoy University,  
Bucak/Burdur, Türkiye

**Assist. Prof. Melek ERSOY KARAÇUHA**  
Faculty of Health Sciences,  
Sinop University, Sinop, Türkiye

**Assist. Prof. Sevgi ÇAĞALTAY KAYAOĞLU**  
Faculty of Health Sciences,  
Sinop University, Sinop, Türkiye

**Assist. Prof. Sibel YÜCETÜRK**  
Faculty of Health Sciences,  
Sinop University, Sinop, Türkiye

**Assist. Prof. Şerife Gözde TÜTÜNCÜ**  
Faculty of Health Sciences,  
Sinop University, Sinop, Türkiye

**Assist. Prof. Muhammed JABBAR**  
Veterinary and Animal Sciences  
Cholistan University, Shaher Sultan, Pakistan

**LANGUAGE EDITOR**

Instructor Isgandar BABABAYLI

School of Foreign Languages,  
Sinop University, Sinop, Türkiye

**STATISTICS EDITORS**

Prof. Emel ÇANKAYA

Faculty of Arts and Science,  
Sinop University, Sinop, Türkiye

Assoc. Prof. Demet HAN AYDIN

Faculty of Arts and Science,  
Sinop University, Sinop, Türkiye

Asst. Prof. Erdinç KOLAY

Faculty of Arts and Science,  
Sinop University, Sinop, Türkiye

Assist. Prof. Zeynep ATLI

Faculty of Arts and Science,  
Sinop University, Sinop, Türkiye

**TECHNICAL EDITORS**

Res. Assist. Pelin ŞATIROĞLU GÜLDALI

Faculty of Health Sciences,  
Sinop University, Sinop, Türkiye

Res. Assist. Satu TUFAN

Faculty of Health Sciences,  
Sinop University, Sinop, Türkiye

Res. Assist. Şeyma SOYANIT ERASLAN

Faculty of Health Sciences,  
Sinop University, Sinop, Türkiye

Instructor Elif ALTINKAYNAK SARAL

Faculty of Health Sciences,  
Sinop University, Sinop, Türkiye

**ADVISORY BOARD**

Prof. AsİYE GÜL

Faculty of Health Sciences, İstanbul Kültür University,  
İstanbul, Türkiye.

Prof. Hatice Mehtap KUTLU

Faculty of Sciences, Eskişehir Technical University,  
Eskişehir, Türkiye.

Prof. İlkay GÜNER

Faculty of Sciences, Gaziantep University,  
Gaziantep, Türkiye.

Prof. Neslihan GÜNGÖR

Health Sciences Center,  
Louisiana State University, New Orleans, USA

Prof. Nurhat ÖZKALAYCI

Boyabat Faculty of Economics and Administrative  
Sciences, Sinop University, Boyabat/ Sinop, Türkiye

Prof. Türkan TURAN

Faculty of Health Sciences, Pamukkale University,  
Denizli, Türkiye.

Assoc. Prof. Gönül KURT

Gulhane Faculty of Nursing,  
Health Sciences University, Ankara, Türkiye.

Assoc. Prof. Hale TOSUN

Faculty of Health Sciences, Balıkesir University,  
Balıkesir, Türkiye.

Assist. Prof. Abdalla Ahmed ELDAW ELAMİN

RAK College of Medical Sciences, RAK Medical and  
Health Sciences University, Ras Al Khaimah,  
United Arab Emirates.

Assist. Prof. Andi ASRİFAN

RAK College of Medical Sciences,  
State University of Makassar, South Sulawesi,  
Indonesia.

Assist. Prof. Rupa SINHA

Amity Institute of Travel and Tourism, Amity  
University, Kolkata, West Bengal, India.

Lecturer Oyibo Joel ENUPE

Nasarawa State College of Nursing Sciences Lafia,  
Nigeria.

## **ABOUT THE JOURNAL**

Northern Journal of Health Sciences is an open access, internationally refereed journal published in English as three issues per year (January/May/September) that accepts for evaluation current, clinical and experimental original articles, reviews, case reports and letters to the editor in the field of health sciences (Disaster Management and Emergency Aid, Nutrition and Dietetics, Child Development, Dentistry, Midwifery, Pharmacy, Physiotherapy and Rehabilitation, Gerontology, Nursing, Occupational Health and Safety, Health Management and Education, Social Work and Basic Medical Sciences). The ethical rules that authors, editors, referees and publishers must comply with are carried out in accordance with the guidelines and policies published by the "Committee on Publication Ethics (COPE)". The studies submitted to the journal must comply with ethical and scientific standards and the scientific, ethical and legal responsibilities of the published articles belong to the author(s). All publication rights of the studies accepted for publication belong to the publishing institution. No royalties are paid for the articles published in the journal.

## **CORRESPONDENCE ADDRESS**

Sinop University, Faculty of Health Sciences  
Osmaniye Mahallesi Üniversite Caddesi No: 52L- Sinop/ Merkez, Türkiye.  
Tel: 0090 368 271 52 48  
Fax: 0090 368 271 48 22

## **ARTICLE SUBMISSION ADDRESS**

<https://dergipark.org.tr/en/pub/njhs>

## TABLE OF CONTENTS

RESEARCH ARTICLES	Page
<b>Adolescents' Level of Knowledge about Popular Diets and The Relationship Between Approaches and Emotional States, Descriptive Research</b> Sevil Nas, Nezihe Şengün	1-10
 <b>REVIEW ARTICLES</b>	
<b>Artificial Intelligence Based Decision Support System Approach in Peripheral Artery Disease Detection</b> Onur Kocak, Zelal Onay, Cansel Fıçı, Ziya Telatar	11-18
<b>Artificial Intelligence Applications in Pregnancy: Prenatal Monitoring in the Era of Digital Health</b> Sibel Akgül Kartal, Betül Ekinci, Beyza Nur Eriş, Melek Eren	19-24
<b>Artificial Intelligence Applications in Operating Room Nursing: Current Practices and Future Perspectives</b> Seda Öztürk, Rabia Görücü	25-33
<b>The Impact of Climate Change on Newborn Babies</b> Gülsüm Gülcenbay, Türkan Turan	34-40
<b>A Nursing Care of a Patient with a Chest Tube</b> Kader Çınar, Neriman Zengin	41-48
<b>Artificial Intelligence in Intensive Care: Applications, Challenges, and Future Directions -A Review</b> Özhan Özcan	49-59

---

---