

e-ISSN : 2550-696X

VOLUME 9 / NUMBER 2 / AUGUST 2025

# International Journal of Health Sciences



Ecuador, South America

# International Journal of Health Sciences

## EDITOR-IN-CHIEF

**M. R. Herrera**

ijhs@sciencescholar.us

Nursing, Universidad Estatal del  
Sur de Manabí, Ecuador

---

## CHIEF EXECUTIVE EDITOR

---

**M. R. Gámez**

maria.rodriguez@utm.edu.ec

Universidad Técnica de Manabí, South America

---

## FOUNDER & MANAGING EDITOR

---

**I. W. Suryasa**

iwayansuryasa@utm.edu.ec

ITB STIKOM Bali, Indonesia

---

## INTERNATIONAL ADVISORY BOARD

---

**M. Cantor**

Clinical Informatics,  
United States

**S. de Lusignan**

University of Surrey,  
United Kingdom

**D. M. P. Hernández**

University of Medical  
Sciences of Havana, Cuba

**J. Aarts**

Erasmus University  
Rotterdam, Netherlands

**C. Kalun Or**

The University of Hong  
Kong, Hong Kong

**A. M. Salem**

Ain Shams University,  
Egypt

**T. Karopka**

BioCon Valley GmbH,  
eHealth, Germany

**F. Farzan**

University of Mazandaran,  
Iran

---

## EDITORIAL BOARD

---

**A. P. C. Mendoza**

Universidad Técnica de  
Manabí, Ecuador

**B. Dresch-Langley**

University of Strasbourg,  
France

**F. Zhou**

Jilin University, China

**D. Singh**

Houston Methodist  
Research Institute, USA

**T. Lambrou**

University of Lincoln,  
United Kingdom

**L. Johnson**

University of Cape Town,  
South Africa

**U. R. Acharya**  
*Ngee Ann Polytechnic,  
Singapore, Singapore*

**O. Oluwagbemi**  
*Federal University Lokoja,  
Nigeria*

**H. Nishiura**  
*Hokkaido University,  
Japan*

**J. McCaw**  
*The University of  
Melbourne, Australia*

---

**P R O D U C T I O N E D I T O R**

---

**Antonio**  
*Universidad Técnica de  
Manabí, Ecuador*

**T. Koldoris**  
*Queen Mary University of  
London, United Kingdom*

---

**E D I T O R I A L O F F I C E**

---

**V. Vucic**  
*Universidad Técnica de Manabí, Ecuador*  
support@sciencescholar.us

---

**C O P Y R I G H T A N D C O P Y I N G ( I N A N Y F O R M A T )**

---

Articles published in the International Journal of Health Sciences (IJHS) are available under <http://creativecommons.org/licenses/by-nc-nd/4.0/>. Copyright on an open-access article in the International Journal of Health Sciences is retained by the author(s). Authors grant International Journal of Health Sciences a license to publish the article and identify itself as the original publisher. Authors also grant any third party the right to use the article freely as long as its integrity is maintained and its original authors, citation details and publisher are identified. The Creative Commons Attribution Non-Commercial No Derivatives License ([CC BY-NC-ND 4.0](http://creativecommons.org/licenses/by-nc-nd/4.0/)) formalizes these and other terms and conditions of publishing articles.

---

**D I S C L A I M E R**

---

The Publisher (Universidad Técnica de Manabí) and Editors (International Journal of Health Sciences) cannot be held responsible for errors or any consequences arising from the use of information contained in this journal; the views and opinions expressed do not necessarily reflect those of the Publisher and Editors, neither does the publication of advertisements constitute any endorsement by the Publisher and Editors of the products advertised.

For submission instructions, subscription and all other information visit:  
<https://sciencescholar.us/journal/index.php/ijhs>

---

# International Journal of Health Sciences

---

## Research Articles

Page

**Mental health and social factors: A social science approach**

v

*I Wayan Suryasa, María Rodríguez-Gámez, Tihnov Koldoris*

**Biochemical composition and therapeutic values of leaves of *Lippia multiflora* Moldenke grown in Côte d'Ivoire**

325

*Fako Kané, Wohi Maniga, Mankambou Jacques Gnanwa*

**To evaluate the effects of lubricating eye drops on the repeatability of keratometry (K) measurements in patients presenting for cataract surgery**

337

*Dhruv Goyal, B K Bhagyajyothi, Krutika Thorat, Arvind L. Tenagi, Mitali Mangoli*

**The relationship between Vitamins B12, B9, and D and polycystic ovarian syndrome: A review article**

346

*Rusul Adnan Abass, Ammar Ahmed Hussein*

<b>The prevalence of cardiovascular disease in male patients with type 2 diabetes mellitus and erectile dysfunction, along with an assessment of shared cardiovascular risk factors</b>	<b>355</b>
<i>Emad Niema, Rawayh Albaghlany, Abas Mansor</i>	
<b>Breastfeeding methods among teachers at the female training and education institutions in the Municipality of Yopougon</b>	<b>668</b>
<i>Josi-Noelline Sinh, Jean-Paul Kouassi, Koffi Diallo, Gilchrist Fabrice Gouthon, Roselyne Kouakou, Bitty Marie-Louise Berthe Ahui</i>	
<b>Prevalence and drivers of treatment-seeking behaviour among under-five children experiencing acute respiratory infection in India: Treatment-seeking behaviour among U5 children experiencing acute respiratory infection</b>	<b>678</b>
<i>Koustav Ghosh, Atreyee Sinha Chakraborty, Banashri Haloi, Sarjoo Patel</i>	
<b>Genetic alterations of CYP17A1 in the occurrence of colorectal cancer in Senegal</b>	<b>699</b>
<i>Anna Ndong, Bineta Keneme, Yacine Seye, Fatimata Mbaye, Mbacké Sembene</i>	
<b>Could numeric rating scale take the place of neck disability index, as a self-reported instrument of the neck/arm pain-related daily living disability, in patients with cervical radiculopathy?</b>	<b>715</b>
<i>Savvas Spanos, Ioannis Siasios, Eleni Kortianou, George Paras, Ioannis Poulis, Konstantinos Fountas</i>	
<b>Cardiac tamponade as the initial presentation of t-cell lymphoblastic lymphoma in a young female: A case report</b>	<b>725</b>
<i>Geovani Santos da Silva, Fernanda Laísy Silva de Oliveira, Kelvin Vilalva, João Alfredo Pedrotti</i>	
<b>The Biofilm formation and associated gene detection in Staphylococcus spp. isolated from urinary tract infection patients</b>	<b>731</b>
<i>Sara Hadi Jassim, Zainab Rashaid Hameed, Raghad Hameed Khaleefa</i>	
<b>Comprehensive review of advancements in Alzheimer's diagnosis and care</b>	<b>740</b>
<i>Mohamed S A Eswani, Ellafi. A. Elbahri, Mohamed Elbasir, Mohamed Burid Milad, Esam Alsadiq Alshareef, Asharaf Abourqeeqah, Abdulkader Helwan</i>	

<b>Non-verbal amusement in later life: An analysis of age-related shifts in humor comprehension</b>	<b>762</b>
<i>Girija P C, Nayana Narayanan, Heena Hashim</i>	
<b>Factors associated with physical activity levels among healthcare workers in Al Madinah Region, Saudi Arabia: Cross-sectional study</b>	<b>771</b>
<i>AL-Balawi M, Al-Matrafi M, Al-Raddadi D</i>	
<b>Development and validation of the Virtual Identity Integration Scale (VIIS) for young adults aged 18–25</b>	<b>782</b>
<i>Rajeev Misra, Divyanshi Singh, Akanksha Mishra, Rajgopal Reddy</i>	
<b>Musculoskeletal pain in teleworking from home and workplaces: A narrative review</b>	<b>794</b>
<i>Maria do Carmo Baracho de Alencar, Nilson Rogerio Da Silva, Florentino Serranheira</i>	
<b>Evaluation of the effect of nursing intervention on perceived social support of patients with heart failure</b>	<b>808</b>
<i>Stergiani Petaloti, Zoe Roupa, Ekaterini Lambrinou, Maria Noula</i>	
<b>The Role of HbA1C &amp; glycated albumin as predictors of cardiovascular outcome post-myocardial infarction in diabetic patients: A matched case-control study</b>	<b>830</b>
<i>Atiya A. Inamdar, Humayun Kabir, Junaid Muntahi Kabir</i>	
<b>Legal accountability aspects of medical actions performed by nurses based on delegated authority in the perspective of the principle of legal equality as an element of the rule of law</b>	<b>840</b>
<i>Hotmaria Hertawaty Sijabat, Bintan Saragih, Hotma P. Sibuea, Gunawan Widjaja</i>	
<b>Assessment of perceived social support on the quality of life of patients with heart failure: A randomized clinical trial</b>	<b>850</b>
<i>Stergiani Petaloti, Zoe Roupa, Ekaterini Lambrinou, Maria Noula</i>	



**Universidad Técnica de Manabí**

**Av. Urbina y Che Guevara, APARTADO: 82 (Ecuador/South America)**

**email : [ijhs@utm.edu.ec](mailto:ijhs@utm.edu.ec)**

**Phone : (05) 2635-611**

**Fax : (05) 2651-569**