

UDK 37

ISSN 2545 – 4439

ISSN 1857 - 923X

INTERNATIONAL JOURNAL

Institute of Knowledge Management

KNOWLEDGE



Scientific Papers

Vol. 67.4

MEDICAL SCIENCES AND HEALTH

KIJ

Vol. 67

No. 4

pp. 479 - 738

Skopje, 2024

KNOWLEDGE



INTERNATIONAL JOURNAL

**SCIENTIFIC PAPERS
VOL. 67.4**

December, 2024

**INSTITUTE OF KNOWLEDGE MANAGEMENT
SKOPJE**



KNOWLEDGE

International Journal Scientific Papers Vol. 67.4

ADVISORY BOARD

Vlado Kambovski PhD, Robert Dimitrovski PhD, Siniša Zarić PhD, Maria Kavdanska PhD, Mirjana Borota – Popovska PhD, Veselin Videv PhD, Ivo Zupanovic PhD, Savo Ashtalkoski PhD, Zivota Radosavljević PhD, Laste Spasovski PhD, Mersad Mujevic PhD, Milka Zdravkovska PhD, Drago Cvijanovic PhD, Predrag Trajković PhD, Lazar Stosic PhD, Krasimira Staneva PhD, Nebojsa Pavlović PhD, Daniela Todorova PhD, Lisen Bashkurti PhD, Zoran Srzentić PhD, Itska Derijan PhD, Sinisa Opic PhD, Marija Kostic PhD

Print: GRAFOPROM – Bitola

Editor: IKM – Skopje

Editor in chief

Robert Dimitrovski, PhD

KNOWLEDGE - International Journal Scientific Papers Vol. 67.4

ISSN 1857-923X (for e-version)

ISSN 2545 – 4439 (for printed version)

INTERNATIONAL EDITORIAL BOARD

President: Academic Prof. Vlado Kambovski PhD, Skopje (N. Macedonia)

Vice presidents:

Prof. Robert Dimitrovski PhD, Institute of Knowledge Management, Skopje (N. Macedonia)

Prof. Sinisa Zanic, PhD, Faculty of Economics, University of Belgrade, Belgrade (Serbia)

Prof. Mersad Mujevic PhD, Public Procurement Administration of Montenegro (Montenegro)

Members:

- Prof. Azra Adjajlic – Dedovic PhD, Faculty of criminology and security, Sarajevo (Bosnia & Herzegovina)
- Prof. Aleksandar Korablev PhD, Faculty of economy and management, Saint Petersburg State Forest Technical University, Saint Petersburg (Russian Federation)
- Prof. Anita Trajkovska PhD, Rochester University (USA)
- Prof. Aziz Pollozhani PhD, Rector, University Mother Teresa, Skopje (N.Macedonia)
- Prof. Anka Trajkovska-Petkoska PhD, UKLO, Faculty of technology and technical sciences, Bitola (N. Macedonia)
- Prof. Aneta Mijoska PhD, Faculty of Dentistry, University “St. Cyril and Methodius”, Skopje (N. Macedonia)
- Prof. Alisabri Sabani PhD, Faculty of criminology and security, Sarajevo (Bosnia & Herzegovina)
- Prof. Artan Nimani PhD, Rector, University of Gjakova “Fehmi Agani” (Kosovo)
- Prof. Ahmad Zakeri PhD, University of Wolverhampton, (United Kingdom)
- Prof. Ana Dzumalieva PhD, South-West University “Neofit Rilski”, Blagoevgrad (Bulgaria)
- Prof. Branko Sotirov PhD, University of Rousse, Rousse (Bulgaria)
- Prof. Branko Boshkovic, PhD, College of Sports and Health, Belgrade (Serbia)
- Prof. Branimir Kampl PhD, Institute SANO, Zagreb (Croatia)
- Prof. Branislav Simonovic PhD, Faculty of Law, Kragujevac (Serbia)
- Prof. Bistra Angelovska, Faculty of Medicine, University “Goce Delcev”, Shtip (N.Macedonia)
- Prof. Cezar Birzea, PhD, National School for Political and Administrative Studies, Bucharest (Romania)
- Prof. Cvetko Andreevski, Faculty of Tourism, UKLO, Bitola (N.Macedonia)
- Prof. Drago Cvijanovic, PhD, Faculty of Hotel Management and Tourism, University of Kragujevac, Vrnjacka Banja (Serbia)
- Prof. Dusan Ristic, PhD Emeritus, College of professional studies in Management and Business Communication, Novi Sad (Serbia)
- Prof. Darijo Jerkovic PhD, Faculty of Business Economy, University “Vitez”, (Bosnia & Herzegovina)
- Prof. Daniela Todorova PhD, “Todor Kableshev” University of Transport, Sofia (Bulgaria)
- Prof. Dragan Kokovic PhD, University of Novi Sad, Novi Sad (Serbia)
- Prof. Dragan Marinkovic PhD, High health – sanitary school for professional studies, Belgrade (Serbia)
- Prof. Itska Mihaylova Derijan PhD, University Neofit Rilski, Faculty of pedagogy, Blagoevgrad (Bulgaria)
- Prof. Dzulijana Tomovska, PhD, Faculty of Biotechnical sciences, Bitola (N.Macedonia)
- Prof. Evgenia Penkova-Pantaleeva PhD, UNWE -Sofia (Bulgaria)
- Prof. Fadil Millaku, PhD, University “Hadzi Zeka”, Peja (Kosovo)

REVIEW PROCEDURE AND REVIEW BOARD

Each paper is reviewed by the editor and, if it is judged suitable for this publication, it is then sent to two referees for double blind peer review.

The editorial review board is consisted of 67 members, full professors in the fields 1) Natural and mathematical sciences, 2) Technical and technological sciences, 3) Medical sciences and Health, 4) Biotechnical sciences, 5) Social sciences, and 6) Humanities from all the Balkan countries and the region.

TYPES OF DIOPTRIC GLASSES IN NORTH MACEDONIA AND THEIR APPLICATION IN THE CORRECTION OF REFRACTIVE ANOMALIES WITH SPECIAL EMPHASIS IN THE MUNICIPALITY OF STRUMICA	615
Spase Mitrev	615
Strahil Gazepov	615
MACULAR EDEMA AS THE THIRD CAUSE OF BLINDNESS IN THE WORLD.....	619
Strahil Gazepov	619
Martina Manchova.....	619
FORCED SOCIAL ISOLATION SYNDROME DURING THE PANDEMIC PERIOD OF COVID-19	623
Anushka Uzunova.....	623
Petya Krumova	623
TREATMENT OF PAIN IN PATIENTS WITH CERVICOBACHIAL SYNDROME WITH METHODS OF TRADITIONAL CHINESE MEDICINE.....	629
Lence Nikolovska	629
Besart Ismani	629
QUALITATIVE ANALYSIS OF THE MOTORIC ACTIVITY IN CHILDREN WITH DOWN SYNDROME	635
Metodi Smilanski.....	635
Toshe Krstev.....	635
Tamara Adjiska.....	635
KINESITHERAPY ON PATIENTS WITH CHRONIC STAGE DISC DISEASE	641
Tsveta Krasteva	641
EFFECTIVENESS OF PHYSICAL MEDICINE AND KINESITHERAPY IN PATIENTS WITH LUMBOSACRAL RADICULITIS	647
Lence Nikolovska	647
Aleksandar Crvenkovski.....	647
COMPLEX SPEECH AND KINESIOTHERAPY DIAGNOSTICS AND THERAPY IN CEREBRAL PALSY	651
Miglena Simonska	651
Radostina Kostova.....	651
Yulijan Zlatkov.....	651
Krasimira Zlatkova	651
Dimitar Kolev	651
EFFECTIVENESS OF CONVENTIONAL AND COMPLEMENTARY MEDICINE IN THE TREATMENT OF PATIENTS WITH LUMBOISCHIALGIA	657
Lence Nikolovska	657
Marija Angelkoska	657
THE ROLE OF HEALTHCARE WORKERS IN INFECTION CONTROL WHEN PROVIDING HEALTHCARE.....	663
Jasmina Hrnjica Bajramović.....	663
Zarema Obradović	663
Almedina Omerović	663
Dino Ćemić.....	663
Amar Žilić	663
Eldina Smječanin.....	663
FUNCTIONAL WORK CAPACITY INDICES IN ATHLETES AND ACTIVE SPORTSMEN FOR HEALTH	673
Kostadin Kanalev	673