

**Editor in Chief**

Radu Ion Badea

**Associate Chief Editor**

Petru-Adrian Mircea

**Senior Editor**

Dan L. Dumitraşcu

**Honorary Board Adviser**

Monica Acalovschi

**Associate Editors**

Ioana Berindan Neagoie

Radu Nicolaie Oprean

**Editorial Assistant**

Monica Platon Lupşor

**Editorial Office**

Mîndra Eugenia Badea

Mihaela Băciuş

Cristian Bârsu

Cosmin-Nicolae Caraiani

Simona Clichici

Horaşiu Colosi

Doiniţa Crişan

Ofelia Crişan

Diana Dudea

Sorin Marian Dudea

Daniela Fodor

Călin Lazăr

Felicia Loghin

Valentin Muntean

Andrada Seicean

**Copy Editor**

Ioana Robu

**Website Manager**

Daniel-Corneliu Leucuţa

**Art and Graphic Design**

Adrian Grecu

**Desktop Publishing**

Anne-Marie Constantin

**Editorial Secretary**

Dorina Sorcoi

# MPR - Medicine and Pharmacy Reports

Vol. 97, No. 3, 2024

p-ISSN 2602-0807, e-ISSN 2668-0572

## CONTENT

### REVIEWS

#### Pharmacology

A brief review on the lessons learned from COVID-19 on drug discovery and research

*Subodh Kumar, Hansraj Kumar, Joonmoni Lahon, Dibyajyoti Saikia* ..... 243

### ORIGINAL RESEARCH

#### Gastroenterology

Extra-digestive manifestations of celiac disease

*Andrei-Vasile Pop, Stefan-Lucian Popa, Dan L. Dumitrascu* ..... 249

#### Medical Imaging

The value of contrast-enhanced ultrasound in cervical cancer assessed in comparison with magnetic resonance imaging

*Radu-Mihai Ignat, Zsolt Fekete, Csaba Csutak, Nicolae Todor, Florin Laurentiu Ignat, Patricia Delia Ignat, Radu Badea* ..... 255

#### Metabolic Diseases

Association between vitamin D deficiency and serum lipid levels in a group of Romanian patients

*Claudia Frenuşcă, Katalin Babeş* ..... 263

The predictive risk factors associated with non-dipper profile in patients with type 2 diabetes and hypertension

*Viorel Manea, Daniel-Corneliu Leucuţa, Călin Pop, Mircea-Ioachim Popescu* ..... 270

# MPR - Medicine and Pharmacy Reports

Vol. 97, No. 3, 2024

p-ISSN 2602-0807, e-ISSN 2668-0572

## Microbiology

- In vitro* antimicrobial activity of silver nanoparticles against selected Gram-negative and Gram-positive pathogens  
*Michaela Corina Crisan, Stanca Lucia Pandrea, Luminita Matros, Teodora Mocan, Lucian Mocan* ..... 280

## Oncology

- Next-generation sequencing as a valuable tool for mutational spectrum in advanced-stage NSCLC patients  
*Ioana Iurca, Ecaterina Isakescu, Laura Ancuta Pop, Liviuta Budisan, Radu Pirllog, Antonia Harangus, Tudor Eliade Ciuleanu, Cornelia Braicu, Ioana Berindan-Neagoe* ..... 298

- Impact of assessing the emotional health status in the management of cancer patients  
*Liliana Policiuc, Cecilia Bica, Diana Gulei, Daniel Corneliu Leucuta, Ioana Berindan-Neagoe* ..... 308

## Psychiatry

- The familiarity of Romanian psychiatrists with anti-N-methyl-D-aspartate receptor encephalitis: findings from a web-based survey study  
*Denis Pavăl, Nicoleta Gherghel-Pavăl, Octavia Oana Căpățină, Ioana Valentina Micluția* ..... 313

## Physiology

- Hepatic changes following a high-fat diet: effects of *Cornus mas* and gold nanoparticles phytoextracted with *Cornus mas* on oxidative stress, inflammation, and histological damage  
*Dalina Diana Zugravu, Stefan Lucian Popa, Andrei-Vasile Pop, Remus Moldovan, Alexandru Flaviu Tăbăran, Luminita David, Simona Valeria Clichici* ..... 318

## Urology

- The Romanian translation and validation of the Extended Prostate Cancer Index Composite in patients undergoing radical prostatectomy  
*Ioan-Bogdan Juravle, Elisabeta Ioana Hiriscau, Tudor Coroi, Bogdan-Ovidiu Feciche, Nicolae Crisan, Ioan Coman, Cristian-Doru Pop* ..... 330

## Editorial Board

Ludovico Abenavoli (Italy)  
Andrei Achimaș (Romania)  
Istvan Altorjay (Hungary)  
Dinu Antonescu (Romania)  
Adriana Băban (Romania)  
Grigore Băciuț (Romania)  
Marius Bojiță (Romania)  
Ion I. Bruckner (Romania)  
Anca Buzoianu (Romania)  
Radu Câmpian (Romania)  
Constantin Ciuce (Romania)  
Ștefan Ciurea (TX, USA)  
Anne-Marie Constantin (Romania)  
Douglas Drossman (NC, USA)  
Dorin Farcău (Romania)  
Ioan Ștefan Florian (Romania)  
Shigeo Fuji (Japan)  
Ion Fulga (Romania)  
Alexandru Georgescu (Romania)  
Liana Gheorghe (Romania)  
Gabriel Ghiaur (MD, USA)  
Ravnit Grewal (South Africa)  
Mircea Grigorescu (Romania)  
Waseem TY Hamoudy (Jordan)  
Nicolae Hâncu (Romania)  
Laszlo Herszenyi (Hungary)  
Alexandru Irimie (Romania)  
Cornel Iancu (Romania)  
Vladimir Lazar (France)  
Sorin Man (Romania)  
Peter Manu (NY, USA)  
Traian Mihăescu (Romania)  
Adriana Mureșan (Romania)  
Dafin Mureșanu (Romania)  
Laurențiu Nedelcu (Romania)  
Manuela G. Neuman (Canada)  
Angelo Paradiso (Italy)  
Alina Pârnu (Romania)  
Virgil Păunescu (Romania)  
Aurel Popa-Wagner (Germany)  
Mihai Popescu (Romania)  
Paul J. Porr (Romania)  
Piero Portincasa (Italy)  
Liren Qian (China)  
Liliana Rogozea (Romania)  
Vlaicu Sandor (Romania)  
Adrian Săftoiu (Romania)  
Florin Stamatian (Romania)  
Luminița Stanciu (United Kingdom)  
Ciprian Tomuleasa (Romania)  
Radu Tutuiian (Switzerland)

**”Medicine and Pharmacy Reports”**

**Editorial Office**

Str. Moșilor, nr. 33  
RO-400609 Cluj-Napoca, România  
Tel/fax: +40-264-596086

**E-mail**

info@medpharmareports.com

**Site**

www.medpharmareports.com

**Indexed**

PubMed  
PubMed Central  
SCOPUS  
CAB Abstracts  
EBSCO  
Index Copernicus  
getCited  
JournalSeek  
Open Access Directory  
InfoBase  
SCIPPIO

**Publisher**

Iuliu Hațieganu Medical  
University Publishing House

# MPR - Medicine and Pharmacy Reports

Vol. 97, No. 3, 2024

p-ISSN 2602-0807, e-ISSN 2668-0572

## Long-term results of multimodal treatment of the prostate using the Thulium Laser

*Roxana Andra Coman, Daniel Corneliu Leucuta, Radu Tudor Coman, Carmen Lapusan, Dan Vasile Stanca, Ioan Coman, Nadim Al Hajjar* ..... 338

## Pharmacology

### Development of cream bases suitable for personalized cosmetic products

*Magdalena Bîrsan, Ana Caterina Cristofor, Cristina Tuchiluş, Florina Crivoi, Robert Alexandru Vlad, Cezara Pinteă, Paula Antonoaea, Adriana Ciurba* ..... 347

## Dental Medicine

### Therapeutic challenges in temporomandibular disorders

*Smaranda Buduru, Oana Almășan, Daniela Condor, Manuela Tăut, Anca Mesaroș, Manuela Manziuc, Andreea Kui* ..... 357

### Periodontal changes induced by fixed orthodontic therapy

*Alina Cristina Rădeanu, Mihai Surpățeanu, Cristina Maria Munteanu, Iona Mihaela Liliac, Alexandru Dan Popescu, Elena Cristina Andrei, Ciprian Laurențiu Pătru* ..... 370

### Oral infections - a retrospective study of patients treated in the Oral and Maxillofacial Surgery clinic of the Emergency County Clinical Hospital in Sibiu

*Cosmin Ionuț Lixandru, Ionela Maniu, Mihaela Maria Cernușcă-Mițariu, Carmen Daniela Domnariu* ..... 380

### Dentists' stress level during the COVID-19 pandemic and their opinion on the oral health status of their patients

*Ariadna Georgiana Eugenia Paun, Sorana D. Bolboacă, Radu Chifor, Constantin Radu, Ștefan Strilciuc, Iulia Clara Badea, Cristina Maria Borzan* ..... 390

### Clinical-statistical study on oral rehabilitation methods using dental implants

*Cornelia Liana Micula Cociuban, Teodor Traian Maghiar, Iustin Olariu, Elisabeta Maria Vasca, Adelina Ramona Berari, Ciprian Pasca, Razvan Flueraș, Ramona Amina Popovici, Anamaria Matichescu, Diana Marian* ..... 398

