

CONTENTS

1. **SEHER DIRICAN**
A preliminary correlation and regression study on drinking water quality of Susehri district in Turkey 201
2. **SHAHLA RAZMI, MOKHTAR JALALI JAVARAN, ABDOLREZA BAGHERI, HOSSEIN HONARI, MOJGAN SOLEIMANI ZADEH**
Expression of human interferon gamma in tobacco chloroplasts 208
3. **LILIANA PASLARU, PETRUTA ALEXANDRU, SANDA M. CRETOIU, SIMONA O. DIMA, IRINEL POPESCU**
CRISPR/Cas9 gene editing in Huh7 and Hepa RG cell lines. 216
4. **VICTOR NIMIGEAN, ALEXANDRU POLL, COZETA ANCA MINCULESCU, VANĀ ROXANA NIMIGEAN, SIMONA ANDREEA MORARU, MARIA JUSTINA ROXANA VĀRLAN, ROSALIE ADINA BĀLĀCEANU, DIANA LORETA PĀUN**
Immunohistochemical evaluation of autogenous mandibular bone grafts integration: An experimental study 229
5. **STEFAN S BUSNATU, ALEXANDRU ION, MIHAELA RAILEANU, IRINA CALANGEA, FLORENTINA FURTUNESCU, CATALIN CHERA, RADU IANCU, NIRVANA POPESCU, STEFAN COVACI, ANASTASIU GAVRAS, CHRISTOPH THUEMLER, CRINA J SINESCU**
The role of mHealth technology in the secondary prevention of cardiovascular disease 236
6. **DIANA VĀȘCĀ-ZAMFIR, DANIELA BĀLAN, GABRIELA LUȚĂ, EVELINA GHERGHINA, VALENTINA CONSTANȚA TUDOR**
*Effect of fertilization regime on *Murraya exotica* plants growth and bioactive compounds* 245
7. **ȘTEFANA MARIA PETRUȚ, IONELA SĀRBU, VIORICA MARIA CORBU, DIANA PELINESCU, OANA IFTIME, TATIANA VASSU-DIMOV**
Screening of lactic acid bacteria from spontaneously fermented products of Romania 254
8. **CAMELIA MIA HOTNOG, MIRELA MIHAILA, LILIANA PUIU, ANCA BOTEZATU, VIVIANA ROMAN, IULIA DANA POPESCU, MARINELA BOSTAN, LORELEI IRINA BRASOVEANU**
Modulation of the interplay between p53, ICAM-1 and VEGF in drug-treated LoVo colon cancer cells 261
9. **ABDUL SAMAD, FERHAT ABBAS, ZUNERA TANVEER, ZAFAR AHMAD, IRSHAD AHMAD, SIMON G. PATCHING, NIGHAT NAWAZ, MUHAMMAD TAUSEEF ASMAT, ABDUL RAZIQ, ASADULLAH, IRFAN SHAHZAD SHEIKH, MUHAMMAD NAEEM, OLENA POKRYSHKO, MOHAMMAD ZAHID MUSTAFA**
*Prevalence of *Salmonella* spp. in chicken meat from Quetta retail outlets and typing through multiplex PCR* 271
10. **SINZIANA ADINA SCARLATESCU, IOANA SUCIU, IRINA MARIA GHEORGHIU, PAULA PERLEA, BOGDAN DIMITRIU, LACRAMIOARA DANIELA IACOMI, DAINA GEORGETA LUCIA, GRATIELA G PIRCALABIORU, RUXANDRA BARTOK, DANIELA SIMINA STEFAN**
Comparative analysis of the temporary obturation materials applied to M-O-D cavities in endodontically treated teeth 280
11. **SUMAYAH ABDULHUSSIEN IBRAHEEM, HAITHAM ALI KADHEM, SARMED AL HADEETHI, MAJID SAKHI JABIR, RALUCA GRIGORE, MARCELA POPA, IRINA GHEORGHE, MIHAILESCU DAN FLORIN**
*Effects of silver nanoparticles on nosocomial *Pseudomonas aeruginosa* strains – an alternative approach for antimicrobial therapy* 286
12. **VESNA RADOJČIĆ, NERMINA DJULANČIĆ, MARIJA SRBINOSKA**
Influence of waterpipe mixture composition on formation of components in particulate phase of mainstream smoke 294
13. **HATTF BAZOOL FARHOOD, MIHAELA BALAS, DANIELA GRADINARU, DENISA MARGINĂ, ANCA DINISCHIOTU**
Hepatoprotective effects of chlorogenic acid under hyperglycemic conditions 301
14. **FLORIN SALA, MARIUS BOLDEA, DORICA BOTĂU, AMEDEU PÎRVULESCU, IOSIF GERGEN**
Fe₃O₄ - water based magnetic nanofluid influence on weight loss of wheat seedlings under controlled conditions 308
15. **IONELA-ANDREEA NEACSU, ANA ELENA MELENTE, ALINA-MARIA HOLBAN, ANTON FICAL, LIA-MARA DITU, CRINA-MARIA KAMERZAN, BIANCA MARIA TIHĂUAN, ADRIAN IONUT NICOARA, EUGENIA BEZIRTZOGLOU, MARIANA-CARMEN CHIFIRIUC, GRATIELA G PIRCALABIORU**
Novel hydrogels based on collagen and ZnO nanoparticles with antibacterial activity for improved wound dressings 317
16. **ALEXANDRU AL. ECOVOIU, MARIAN GRAUR, ATILA CRISTIAN RATIU**
*Hypomorphic alleles of gammaCop gene from *Drosophila melanogaster* display an unexpected expression pattern in mutant eggs, testes and embryos* 324
17. **RĀDUCANU ANA-MĀDĀLINA, MIHAI SEBASTIAN, CARAIANE AURELIANA, BADEA VICTORIA**
Studies regarding salivary total antioxidant activity in different types of orthodontic treatment 332
18. **CLARE M. MADDEN, ROBERT H. MADDEN**
*Research Note: A comparison of media for the recovery of *Campylobacter* spp. from long term storage at -80° C* 340
19. **CORALIA BLEOTU, DEMETRA SOCOLOV, RUXANDRA STANCULESCU, RAZVAN SOCOLOV, MARIANA ANTON, GABRIELA ANTON**
Methods of investigation of human microbiome in obstetrics and gynecology 344
20. **TEODORA IVANOVA, CRISTIAN BANCUI, CHAVDAR GUSSEV, YULIA BOSSEVA, DESSISLAVA DIMITROVA, TATYANA STOEVA, ANCA MANOLE**
*Dynamics of the ruscogenin biosynthesis in *Ruscus aculeatus* L. (Liliaceae) in vitro cultures* 254
21. **RĀZVAN HAINĂROȘIE, FLORIN ANGHELINA, MURA HAINĂROȘIE, CĀTĀLINA PIETROȘANU, IRINA IONIȚĂ, ANDREEA RUSESCU, DAN NICOLAE PADURARU, BOGDAN ENE, DUMITRU CRISTINEL BADIU, VIOREL ZAINEA**
The utility of Narrow Band Imaging in obtaining disease free resection margins during endoscopic surgery of the larynx 360
22. **MARIA MANEA, DRAGOS MARCU, ION MOTOFEL, BOGDAN SOCEA, ANCA PANTEA STOIAN, OVIDIU GABRIEL BRATU, MIHNEA-ALEXANDRU GAMAN, AMELIA MARIA GAMAN, ANA MARIA ALEXANDRA STANESCU, LUCIA MAZUR NICORICI, CAMELIA CRISTINA DIACONU**
Cardiovascular risk in patients with inflammatory bowel diseases: a review 366
23. **REMUS NICA, SILVIA NICA, LARISA GOGIANU, SONIA SPANDOLE-DINU, OANA APIRCIOAIE, OANA ANDRADA ALEXIU, MIAHI TOMA, DORIANA VINTILESCU, IRINA RADU, LAVINIA-MARIANA BERCA, DANUT CIMPONERIU**
Single Nucleotide Polymorphisms in Two Inflammation-Related Genes and Chronic Periodontitis risk in Romanian Adults 374