

REVISTA DE CHIMIE

BUCHARESTI ROMANIA

COLEGIUL EDITORIAL

Editor Sef

Petru FILIP

Institutul de Chimie Organics C.D. Nenitescu Bucuresti

Editor Sef Adjunct

Gheorghita JINESCU

Universitatea Politehnica Bucuresti

Kamel EARAR

Universitatea Dunarea de Jos Galati

MEMBRI

Alexandru T. BALABAN

Texas A&M University at Galveston, SUA

Ion BOLOCAN

Universitatea Petrol Gaze Ploiesti

Miron Teodor CAPROIU

Institutul de Chimie Organica C.D. Nenitescu Bucuresti

Andrei F. DANET

Universitatea Bucuresti

Elena DIACU

Universitatea Politehnica Bucuresti

Gheorghe DUCA

Academia de Stiinte a Moldovei

Laurentiu FILIPESCU

Universitatea Politehnica Bucuresti

Ionel HAIDUC

Academia Romana

Valeriu V. JINESCU

Universitatea Politehnica Bucuresti

Jiri Jaromir KLEMES

University of Pannonia Veszprem Ungaria

Jean-Marie LEHN

Universite Louis Pasteur, Strasbourg, Franta

Tudor LUPASCU

Academia de Stiinte a Moldovei

Gheorghe MARIA

Universitatea Politehnica Bucuresti

Gheorghe D. MATEESCU

Case Western Reserve University, Cleveland SUA

Lucian MOTIU

AGER Consulting SRL

Gheorghe NECHIFOR

Universitatea Politehnica Bucuresti

Aurel NECHITA

Universitatea Dunarea de Jos Galati

Luoana Florentina PASCU

INCD ECOIND Bucuresti

Virgil PERCEC

University of Pennsylvania, Philadelphia SUA

Eli RUCKENSTEIN

The State University of New York at Buffalo, SUA

Sorin Ioan ROSCA

Universitatea Politehnica Bucuresti

Nicolae TOTIR

ICF I.G. Murgulescu Bucuresti

Paul VASILESCU

Universitatea Politehnica Bucuresti

Luminita VLADESCU

Universitatea Bucuresti

Maria ZAHARESCU

Academia Romana

Institutul de Chimie Fizica Ilie Murgulescu Bucuresti

Director General SYSCOM18

Ion ANDRONACHE

Director SC BIBLIOTECA CHIMEI SA

Carmen IOAN

Redactor Sef

Carmen IOAN

Tehnoredactare computerizata

Monica BALUTA

Revista apare lunar

Copyright REVISTA DE CHIMIE

Raspunderea pentru datele publicate revine autorilor

**Adresa redactiei: SC BIBLIOTECA CHIMEI SA -
REVISTA DE CHIMIE**

Calea Plevnei, Nr. 139B, Sector 6

Bucuresti 060011

Tel: (+40) 021 314 24 47

www.revistadechimie.ro

Factorul de impact pe anul 2017: 1.412

Revista este recenzată de:

CHEMICAL ABSTRACTS, CURRENT CONTENTS

ANALYTICAL ABSTRACTS

si indexată de

Institute for Scientific Information (ISI) si

Chemistry Citation Index

CONTENTS

L.T.Busuioc, Claudia Maria Simionescu, Gh.Nechifor, Elena Radoi, I.E.Girbea

Kinetic Studies of Zn(II) and Pb(II) Removal from Single and Binary Solutions by Synthetic Hydroxyapatite-based Nanopowders.....1293

Maria Magdalena Budeanu, V.Dumitrescu, Simona Radu, A.Camenita
Densities, Viscosities and Excess Properties of Binary Mixtures of 2-Methoxy-2-methylpropane with iso-Propanol.....1298

M.A.Gitea, Simona Bungau, Daniela Gitea, Lavinia Purza, S.Nemeth, Alina Dora Samuel, Gabriela Badea, Delia Mirela Tit
The Consequences of Excessive Chemicalization on Fruits Quality.....1303

Raluca Madalina Senin, I.Ion, O.Oprea, B.Vasile, Rusandica Stoica, Rodica Ganea, Alina Catrinel Ion
Sorption of Bisphenol A(BPA) in Aqueous Solutions on Fullerene C60.....1309

Adriana Maria Andreica, Lucia Gansca, Irina Ciotlaua, I.Operan
The Use of Mercury Compounds in the Synthesis of Some Lepidoptera Insect Sex Pheromones with Monoenic Structure.....1315

Simona Nica, Sorana Ionescu, Anamaria Hangau, Monica Duldner, Stela Iancu, A.Sarbu,
P.Filip, E.Bartha
Mechanistic Investigations of the Organocatalytic Depolymerization of PET Waste Isosorbide.....1319

Monica Florentina Raduly, V.Raditoiu, Alina Raditoiu, Luminita Eugenia Wagner,
Viorica Amariutei, Gabriela Ailișeai Darvaru
Facile Synthesis of Curcumin and Curcuminoid-like Derivatives at Microwaves.....1327

Andreea Gabriela Mocanu, Adina Turcu Stiolica, Ionela Belu, Maria Viorica Ciocilteu,
V.C.Manda, C.Nicolicescu, J.Neamtu
Quality by Design for Ciprofloxacin Encapsulation in PLGA. Factors assessment followed by screening and optimization.....1332

R.L.Olteanu, Cristina Mihaela Nicolescu, MBumbac, Ioana Daniela Dulama, Rodica Mariana Ion,
Ioana Raluca Suica Bunghez
Study on Critical Micelle Concentration Influence in Green Synthesis of Silver Nanoparticles
Assisted by *Sapindus mukorossi* Aqueous Extract.....1339

Oana Roxana Bancuta, A.Chilian, Iuliana Bancuta, R.Setnescu, Tanta Setnescu, Rodica Mariana Ion
Thermal Characterization of Resveratrol.....1346

Anamaria Feier, Oana Roxana Chivu
Lamellar Tearing Observations Regarding the Application of European Standards in the Field of Welded Steel Constructions.....1352

Paula Barbu, Mirela Maria Codescu, M.Iordoc, V.Marinescu, E.Manta, C.Ilie, M.Popă
Electrodeposition of CoNiMnP Thick Films for Micromachined Magnetic Device Applications.....1355

Stefania Daniela Bran, PChipurici, Mariana Bran, A.Vlaicu
Renewable Energy from Agricultural Waste.....1363

Camelia Cristina Diaconu, Ana Maria Alexandra Stanescu, Anca Pantea Stoian, R.C.Tincu,
C.Cobilinschi, R.LEDragonirescu, B.Socea, D.Arsenie Spinu, D.Marcu, Laura Illeana Socea, O.G.Bratu
Hyperkalemia and Cardiovascular Diseases: New Molecules for the Treatment.....1367

R.M.Horhat, Brigittha Vlaicu, R.Bagiu, Salomeia Putnoky, Iulia Bagiu, Delia Ioana Horhat,
Camelia Szuhanek, C.Sinescu, Meda Lavinia Negruțiu, Luminita Nica
A Ten-year Time Laps, Regarding Drug Consumption in the Western Part of Romania.....1371

R.Hainarosie, Teodora Ghindea, Irina Gabriela Ionita, Mura Hainarosie, C.D.Stefanescu,
V.Zainea, Andreea Rusescu, S.Pituru, Catalina Pietrosanu
The Use of Methylene Blue Staining Test in Determining the CSF Leaks Location of the Anterior Skull Base.....1376

Mihaela Gabriela Dumitru
Obtaining Biodiesel with High Oxidation Stability from the Oil Blend Extracted from Seeds of *Citrullus lanatus* and *Vitis vinifera*.....1378

R.Doukeh, Mihaela Bombos, Marioara Moldovan, I.Bolocan
Hydrodesulphurization of Thiophenes over CoMoRe/ZSM 5 γ -Al₂O₃ Catalyst.....1386

M.Bastiurea, D.Dima, A.Hadar, G.Andrei
Friction and Wear Behaviour of Polyester Nanocomposites with Graphene Oxide and Graphite
Investigated Through Block-on-ring Test.....1391

Livia Apostol, Lavinia Berca, Claudia Mosoiu, Mihaela Badea, Simona Bungau, Oana Bianca Oprea, Gabriela Cioca
Partially Defatted Pumpkin (*Cucurbita maxima*) Seeds-a Rich Source of Nutrients for Use in Food Products.....1398

Adina Milena Tatar	
Analysis of Air Quality in the Area of Coal-fired Power Plants.....	1403
Adriana Corina Hangan, A.Turza, Roxana Liana Stan, Luminita Simona Oprean	
Synthesis, Crystal Structures and Characterization of a New Antitumor Cu(II) Complex with N-sulfonamide Ligand.....	1407
Oana Bodean, O.Bratu, Roxana Bohiltea, O.Munteanu, D.Marcu, D.Arsenie Spinu,	
Ileana Adela Vacaroiu, B.Socea, Camelia Cristina Diaconu, Delia Fometescu Gradinaru, Monica Cirstoiu	
The Efficacy of Synthetic Oral Progestin Pills in Patients with Severe Endometriosis.....	1411
A.Szabo, I.Bordeas, LD.Utu, LMitelea	
In vitro Behaviour of Alumina-Hydroxiapatite Composites Coatings.....	1416
Viviana Aursulesei, D.Timofte, Liliana Mititelu Tartau, Veronica Mocanu, Razan Al Namat, V.C.Aursulesei, Irina Juliana Costache	
Circulating Chemerin Levels, Anthropometric Indices and Metabolic Profile in Morbid Obesity.....	1419
Daniela Avram, D.Ungureanu, N.Angelescu, Ionica Ionita, Anca Gheboianu, LBancuta, Elena Corina Popescu	
The Structural and Compositional Evaluation of Some Calcium Phosphate Glasses with Bioactive Potential.....	1424
T.Hajaj, S.Talpos, C.Stoian, Meda Lavinia Negruțiu, Camelia Szuhanek, Malina Popa, A.T.Stan, C.Zaharia, Karin Roxana Hajaj, Monica Licker, Delia Muntean, Emilia Janes, C.Sinescu	
Determining the Biological Sealing Quality of the Implant-abutment Interface Using <i>Streptococcus Mutans</i> in Both, Conical and Internal Hex Connections. A comparative study.....	1429
D.C.Stefanescu, R.Hainarosie, V.Zainea	
Drug-induced Sleep Endoscopy With Target-Controlled Infusion Using Propofol in the Management of Patients with Obstructive Sleep Apnea	1431
Mirela Zaharie, Doina Carstea, C.T.Streba, PMitru, Adina Dorina Glodeanu, A.PCarstea, S.I.Zaharie, Ionela Teodora Dascalu, Mihaela Jana Tuculina, Adina Bunget, Marilena Bataiosu, Nina Ionovici	
Renal Dysfunction- a Possible Marker of Severity of Heart Failure.....	1435
Mariana Cornelia Tilinca, T.S.Pop, Orsolya Zsuzsa Szasz, S.Barbu, Kinga Nyulas, Eniko Nemes Nagy	
Dynamics of Metabolic and Inflammatory Parameters in Overweight Patients Undergoing Knee or Hip Arthroplasty.....	1441
Simona Claudia Cambrea, Oana Cristina Arghir, Agripina Rascu, C.L.Petcu	
Biochemical Features of an Acute Viral Hepatitis A Outbreak.....	1447
Carmen Argesanu, Dorina Matei, S.II Kong, Andreea Bondarev, V.Matei	
The Effects of Modifying the Catalytically Active Phase Through Ni Impregnation of the Cu-Ru Catalyst on Carbon Support in Nitrobenzene Hydrogenation.....	1451
D.O.Palade, B.M.Cobzeanu, Petronela Zaharia, MDabija	
3D Reconstruction Role in Surgical Treatment of Sinosal Tumours.....	1455
C.Olteanu, Ioana Ganea, Andreea Pop, Ondine Lucaciu, Viorica Tarmure, Ecaterina Ionescu, Elina Teodorescu, Manuela Chibelean, E.Bud, Mariana Pacurar	
CBCT Evaluation of the Severity of Maxillary Impacted Canines Using the KPG Index.....	1458
C.Tanase, Sanda Cosarca, Felicia Toma, Anca Mare, Adina Cosarca, A.Man, Amalia Miklos, Silvia Imre	
Antibacterial Activities of Spruce Bark (<i>Picea abies</i> L.) Extract and its Components Against Human Pathogens.....	1462
R.Mirea, MIordoc, Gabriela Oprina, G.Rimbu	
Processing of Iridium Doped Carbonic Materials and Experimental Investigation of Their Hydrogen Adsorption Capacity.....	1468
Roxana MPiticescu, Laura M.Popescu, Anca E.Slobozeanu, A.LTudor, R.R.Piticescu, Maria Dolores Romero Sanchez	
High Pressure Solvothermal Microencapsulation of D-Mannitol in Inorganic Shells for Thermal Energy Storage.....	1473
Carmen Sirbu, T.Cioroianu, Nicoleta Marin, B.Rujoi	
Liquid Fertilizers with Organic Substances-Agrochemicals Effects Obtained by Application.....	1478
Marioara Nicoleta Filimon, Roxana Popescu, A.Sinetean, Paula Maniu, G.Dumitrescu, Doina Verdes, C.S.Vlad	
The Assessment of Chitosan Solutions Effects on Bacterial Strains.....	1485
Cristina Angela Ghiorghie, Emilia Dimbu, T.Tirca, S.Andrian, C.Topoliceanu, Gianina Iovan, Mihaela Salceanu	
The Assessment of the Effectiveness of Remineralization and Laser Therapy in Cervical Dentine Hypersensitivity.....	1489
Ana Roxana Ganceanu Rusu, Liliana Mititelu Tartau, C.Stateanu, Mihaela Boanca, V.Poroch, R.V.Lupusoru, Nicoleta Dima, Codruta Badescu, Elena Rezus, C.Rezus, Catalina Elena Lupusoru	
Study of Dynamics of Immunobiochemical Parameters and Pharmacological Interferences in the Metabolic Syndrome.....	1493
Lacramioara Olarasu, Maria Stoicescu, I.Malureanu, I.Onutu	
Considerations for Using a Hydraulic Fracturing Fluid for Breaking Crude Oil Emulsion from Reservoir.....	1498
Roxana Maria Livadariu, R.Danila, Lidia Ionescu, Delia Ciobanu, D.Timofte	
Study of Biochemical and Clinical Markers in Steatohepatitis Related to Obesity.....	1501
Daniela Jumanca, Anamaria Mătăchescu, Atena Galuscan	
An Experimental Method of Producing Hydroxyapatite.....	1506
Elena Mihalceanu, Daniela Cristina Dimitriu, LT.Lazar, Brindusa Alina Petre, G.Constantinescu, D.Nemescu, Ioana Scricariu	
The Role of Several Angiogenesis Peptides Markers in the Management of Hypertensive Pregnant Women.....	1509
R.Nagib, Roxana Zogorean, Oana Isabella Gavrilic, Camelia Szuhanek, B.Moldoveanu, Meda Lavinia Negruțiu, C.Sinescu, V.Paunescu, S.Brad	
Cytotoxicity Assessment of Metal and 3D Printed Resin Orthodontic Attachments. An <i>in vitro</i> cell culture behavior study.....	1515

V.D.Baleanu, D.Vasile, A.M.Gogana, E.I.Tomescu, D.Davitoiu, Alexandra Belega, I.Georgescu, D.O.Alexandru, S.LBordu, Diana Ioana Voicu, Ana Laura Manda	Clinical and Biochemical Comorbidities and Complications in Abdominal Surgery Using Synthetic Prosthetic Material.....	1519
Carmen Todea, Andreea Igna, Emilia Ogodescu, Irina Zetu, A.Ogodescu	Study of the Compatibility of New Biomaterials in Vital Pulp Therapy in Pediatric Dentistry.....	1524
Veronica Calborean, Silvia Alina Miscoci, O.Istratoaie, Oana Galceava, D.O.Alexandru, Maria Manuela Guta, V.Gheorman, V.Padureanu, C.M.Fortofoiu, Anda Lorena Dijmarescu, D.LGheonea	Coirrelation BetweenLiver Cirrhosis and Risk of Cardiac Arrhythmias.....	1527
K.Gruszka	The Investigations of Fe ₂ MnGe Heusler Alloy Using Density Functional Theory.....	1533
Eliza Cintea, Anda Ungureanu, Mihaela Balgradean, A.Nicolescu	Beneficial Effects of Acetaminophen on the Chemical Mediators Involved in the Closure of Patent Ductus Arteriosus.....	1537
Oana Viola Badulescu, R.Tudor, W.Friedel, A.Scripcaru, PD.Sirbu	Moroctocog alfa Efficacy in Hemostasis Management in A Type Hemophilia Patients with Elective Arthroplasty.....	1541
Lavinia Duica, Elisabeta Antonescu, M.Pirlig, T.Purnichi, Julianna Szakacs, Maria Totan, B.IVintila, Mihaela Cernusca Mitariu, S.I.Cernusca Mitariu, Andreea Steti, Gabriela Bota, Alina Bereanu, Marinela Minodora Manea	Clinical and Biochemical Correlations of Aggression in Young Patients with Mental Disorders.....	1544
Rosana Manea, Bianca Elena Popovici, Carmen Daniela Neculoiu, D.Minea, Alina Calin	Application of the Measurement of Carotid Intima- Media Thickness for Prediction of the Essential Hypertension in Children.....	1550
Larisa Anghel, Catalina Arsenescu Georgescu	Prevalence of Cardiovascular RiskFactors Among Patients with Acute Myocardial Infarction and New Left Bundle Branch Block in North East Romania.....	1554
Anca Daniela Braila, C.A.Ionescu, Alina Calin, Anca Emanuela Musetescu, C.Lungulescu, M.Braila, D.Navolan, A.Neacsu	Hormonal Biochemical Markers in Ectopic Pregnancy Monitoring.....	1558
A.I.Cucu, Claudia Florida Costea, A.Carauleanu, Gabriela Florenta Dumitrescu, Anca Sava, Ioana Sadiye Scripcariu, V.V.Costan, S.Turliuc, I.Poeata, Dana Mihaela Turliuc	Meningiomas Related to the Chernobyl Irradiation Disaster in North-Eastern Romania Between 1990-2015.....	1562
Claudia Florida Costea, Ioana Sadiye Scripcariu, Raluca Dragomir, Cristina Dimitriu, Mihaela Dana Turliuc, Gabriela Florenta Dumitrescu, Nicoleta Dumitrescu, Valeriana Vornicu, Anca Sava, A.Cucu, S.Turliuc, A.Carauleanu	Biochemical Effects of Some Endoplasmic Reticulum Stress Inducers on Mesenchymal Stem Cells <i>in vitro</i>	1570
Monica Monea, Daniela Esian, Reka Soos, A.Tohati, A.Sitaru, Cristina Ioana Bica	The Influence of Er:YAG Laser on the Disolution Rate and Morphology of the Root Cement. A scanning electron microscopic study.....	1574
C.G.Pop, I.Luchian, Nicoleta Ioanid, Ancuta Goriuc, Ioana Martu, Dana Bosinceanu, Maria Alexandra Martu, TTirca, Silvia Martu	Elisa Evaluation of RANKL Levels in Gingival Fluid in Patients with Periodontitis and Occlusal Trauma.....	1578
Aureliana Caraiane, Andreea Szalontay, Luana Andreea Macovei, Aurelia Romila, L.L.Indrei, Miocra Decusara, TTirca	Oral-Facial Manifestation Caused by the Use of Psychotropic Medication in Psychiatric Patients.....	1581
G.Ungureanu, Gabriela Ignat, Elena Leonte, Carmen Luiza Costuleanu, S.Jitareanu, D.Donosa, E.Teodorescu Soare, I.G.Sandu	Management of Urban Organic Solid Waste Applied in Romanian Metropolitan City.....	1585
M.Nabialek, Kinga Jez	The Influence of the Manufacturing Method on the Structure and Magnetic Properties of Rapid Cooled Iron Based Alloys.....	1593
Alice Arina Ciocan Pendefunda, Constanta Mocanu, Doriana Agop Forna, Cristina Iordache, Elena Luca, Gabriela Iftene, Consuela Norina Forna	Study of Electrochemical Behavior of Some Dentala Alloys.....	1598

REVISTA DE CHIMIE

Bucuresti - Romania

Chem. Abs.: RCBUAU 69 (6) (1293-1602)

ISSN 0034-7752

ISSN CD-ROM: 2537-5733

ISSN-L 1582-9049

Vol. 69, nr. 6, iunie, 2018

- Societatea de Chimie din Romania
- SYSCOM 18 Bucuresti
- SC Biblioteca Chimiei SA

6

CUPRINS

L.T.Busuioc, Claudia Maria Simonescu, Gh.Nechifor, Elena Radoi, I.E.Girbea	
Studiul cinetic privind adsorptia ionului de plumb pe hidroxiapatita sintetica.....	1293
Maria Magdalena Budeanu, V.Dumitrescu, Simona Radu, A.Camenita	
Densitati, vascozitati si proprietati de exces ale unui amestec binar 2-metoxi-2-metil propan / izopropanol.....	1298
MA.Gitea, Simona Bungau, Daniela Gitea, Lavinia Purza, S.Nemeth, Alina Dora Samuel, Gabriela Badea, Delia Mirela Tit	
Consecintele chimizarii excesive asupra calitatii fructelor.....	1303
Raluca Madalina Senin, L.Ion, O.Oprea, B.Vasile, Rusandica Stoica, Rodica Ganea, Alina Catrinel Ion	
Sorbitia bisfenolului A din solutii apoase pe fuleren C60.....	1309
Adriana Maria Andreica, Lucia Gansca, Irina Ciotlaus, L.Oprean	
Utilizarea compusilor mercurici in sinteza feromonilor sexuali cu structura monoenoica a unor insecte din ordinul Lepidoptera.....	1315
Simona Nica, Sorana Ionescu, Anamaria Hanganu, Monica Duldner, Stela Iancu, A.Sarbu, P.Filip, E.Bartha	
Investigatii mecanice ale depolimerizarii deseurilor de PET cu izosorbit in cataliza organica.....	1319
Monica Florentina Raduly, V.Raditoiu, Alina Raditoiu, Luminita Eugenia Wagner,	
Viorica Amariutei, Gabriela Ailișei Darvaru	
Sinteza curcuminei si a derivatilor de tip curcuminoid cu ajutorul microundelor.....	1327
Andreea Gabriela Mocanu, Adina Turcu Stiolica, Ionela Belu, Maria Viorica Ciocilteu,	
V.C.Manda, C.Nicolicescu, J.Neamtu	
Optimizarea procesului de incapsulare a ciprofloxacinei in nanoparticule de PLGA: evaluarea factorilor, screening si optimizare.....	1332
R.L.Olteanu, Cristina Mihaela Nicolescu, M.Bumbac, Ioana Daniela Dulama, Rodica Mariana Ion,	
Ioana Raluca Suica Bunghez	
Studiul influentei concentratiei critice micelare in sinteza verde a nanoparticulelor de argint cu extract apos de <i>Sapindus mukorossi</i>	1339
Oana Roxana Bancuta, A.Chilian, Iuliana Bancuta, R.Setnescu, Tanta Setnescu, Rodica Mariana Ion	
Caracterizarea termica a resveratrolului.....	1346
Anamaria Feier, Oana Roxana Chivu	
Destramarea lamelara, consideratii privind aplicarea standardei europene in domeniul constructiilor metalice sudate.....	1352
Paula Barbu, Mirela Maria Codescu, M.Iordoc, V.Marinescu, E.Manta, C.Ilie, M.Popă	
Electrodepunerea filmelor groase CoNiMnP pentru aplicatii cu dispozitive micro-electromecanice magnetice.....	1355
Stefania Daniela Bran, PChipurici, Mariana Bran, A.Vlaicu	
Energie regenerabila din deseuri agricole.....	1363
Camelia Cristina Diaconu, Ana Maria Alexandra Stanescu, Anca Pantea Stoian, R.C.Tincu,	
C.Cobilanschi, R.I.E.Dragomirescu, B.Socea, D.Arsenie Spinu, D.Marcu, Laura Ileana Socea, O.G.Bratu	
Hiperkaliemia si bolile cardiovasculare: noi optiuni de tratament.....	1367
R.M.Horhat, Brigithe Vlaicu, R.Bagiu, Salomeia Putnoky, Iulia Bagiu, Delia Ioana Horhat,	
Camelia Szuhanyek, C.Sinescu, Meda Lavinia Negruțiu, Luminita Nica	
Studiul privind consumul de droguri in zona de vest a Romaniei.....	1371
R.Hainarosie, Teodora Ghindea, Irina Gabriela Ionita, Mura Hainarosie, C.D.Stefanescu,	
V.Zainea, Andreea Rusescu, S.Pituru, Catalina Pietrosanu	
Utilizarea testului coloratie cu solutie de albastru de metilen pentru identificarea localizarii fistulelor LCR la nivelul bazei anterioare a craniului.....	1376
Mihaela Gabriela Dumitru	
Obtinerea biodieselului cu stabilitate oxidativa ridicata din amestecul de ulei extras din seminte de <i>Citrullus lanatus</i> si <i>Vitis vinifera</i>	1378
R.Doukeh, Mihaela Bombos, Marioara Moldovan, I.Bolocan	
Hidrodesulfurarea tiofenolilor pe catalizatorul de CoMoRe/ZSM 5 γ -Al ₂ O ₃	1386
M.Bastiurea, D.Dima, A.Hadar, G.Andrei	
Investigarea coeficientului de frecare si a stabilitatii la frecare a nanocompozitelor poliesterice cu oxid de grafen si grafit cu ajutorul testului bloc-pe-inel.....	1391
Livia Apostol, Lavinia Berca, Claudia Mosoiu, Mihaela Badea, Simona Bungau, Oana Bianca Oprea, Gabriela Cioca	
Seminte de dovleac (<i>Cucurbita maxima</i>) parcial degresate - o sursa bogata de nutrienti cu utilizare in produse alimentare.....	1398

Adina Milena Tatar	1403
Analiza calitatii aerului in zona termocentralelor pe carbuni.....	
Adriana Corina Hangan, A.Turza, Roxana Liana Stan, Luminita Simona Oprean	1407
Sinteza, structura si caracterizarea unui nou complex antitumoral Cu(II) cu ligand de tip N-sulfonamida.....	
Oana Bodean, O.Bratu, Roxana Bohiltea, O.Munteanu, D.Marcu, D.Arsenie Spinu,	
Ileana Adela Vacaroiu, B.Socea, Camelia Cristina Diaconu, Delia Fometescu Gradinaru, Monica Cirstoiu	
Eficienta medicatiei orale cu progestin sintetic la pacientii cu endometrioza severa.....	1411
A.Szabo, I.Bordeas, I.D.Utu, I.Mitelea	
Comportarea <i>in vitro</i> a straturilor de acoperire din materiale compozite alumina-hidroxiapatita.....	1416
Viviana Aursulesei, D.Timofte, Liliana Mititelu Tartau, Veronica Mocanu, Razan Al Namat,	
V.C.Aursulesei, Irina Iuliana Costache	
Nivelul de chemezin circulant indicii antropometrice si profilul metabolic in obezitatea morbida.....	1419
Daniela Avram, D.Ungureanu, N.Angelescu, Ionica Ionita, Anca Gheboianu, I.Bancuta, Elena Corina Popescu	
Evaluarea structurala si compozitionala a unor sticle din fosfat de calciu cu potential bioactiv.....	1424
T.Hajaj, S.Talpos, C.Stoian, Meda Lavinia Negrutiu, Camelia Szuhanek, Malina Popa, A.T.Stan,	
C.Zaharia, Karin Roxana Hajaj, Monica Licker, Delia Muntean, Emilia Ianes, C.Sinescu	
Determinarea capacitati de sigilare biologica a interfetei implant - bont utilizand <i>Streptococcus mutans</i> in conexiunile conica si hexagonalala interna. Studiu comparativ.....	1429
D.C.Stefanescu, R.Hainarosie, V.Zinea	
Utilizarea pompei de infuzie cu concentratie plasmatica tinta controlata cu propofol in managementul pacientilor cu apnee obstructiva in timpul somnului.....	1431
Mirela Zaharie, Doina Carstea, C.T.Streba, PMitru, Adina Dorina Glodeanu, A.PCarstea,	
S.I.Zaharie, Ionela Teodora Dascalu, Mihaela Jana Tuculina, Adina Bunget, Marilena Bataiosu, Nina Ionovici	
Difunctia renala - un posibil marker al severitatii insuficientei cardiace.....	1435
Mariana Cornelia Tilinca, TS.Pop, Orsolya Zsuzsa Szasz, S.Barbu, Kinga Nyulas, Eniko Nemes Nagy	
Dinamica parametrilor metabolici si inflamatori la pacientii supusi artroplastiei de genunchi sau sold.....	1441
Simona Claudia Cambrea, Oana Cristina Arghir, Agripina Rasucu, C.L.Petcu	
Caracteristicile biochimice ale unei epidemii de hepatita acuta virală de tip A	1447
Carmen Argesanu, Dorina Matei, S.II Kong, Andreea Bondarev, V.Matei	
Efectele modificarii suprafetei catalitice active prin impregnare cu Ni a catalizatorului Cu-Ru pe suport de carbon in procesul de hidrogenare a nitrobenzenului.....	1451
D.O.Palade, B.MCobzeanu, Petronela Zaharia, MDabija	
Rolul reconstructiei 3D in tratamentul chirurgical al tumorilor sinonazale.....	1455
C.Olteanu, Ioana Ganea, Andreea Pop, Ondine Lucaciu, Viorica Tarmure, Ecaterina Ionescu,	
Elina Teodorescu, Manuela Chibelean, E.Bud, Mariana Pacurar	
Evaluarea CBCT a severitatii inclusiunii caninilor maxilar prin utilizarea indexului KPG.....	1458
C.Tanase, Sanda Cosarca, Felicia Toma, Anca Mare, Adina Cosarca, A.Man, Amalia Miklos, Silvia Imre	
Activitatea antibacteriana a extractului din scoarta de molid (<i>Picea abies</i> L.) si a componentilor sai contra patogenilor umani.....	1462
R.Mirea, MIordoc, Gabriela Oprina, G.Rimbu	
Procesarea materialelor carbonice dopate cu iridiu si investigarea experimentala a capacitatii lor de adsorbtie a hidrogenului.....	1468
Roxana M.Piticescu, Laura M.Popescu, Anca E.Slobozeanu, A.I.Tudor, R.R.Piticescu, Maria Dolores Romero Sanchez	
Microincapsularea la presiune solvotermica ridicata a D-manitolului in invelis anorganic pentru stocarea energiei termice.....	1473
Carmen Sirbu, T.Cioroianu, Nicoleta Marin, B.Rujoi	
Fertilizatori lichizi cu substante organice - efecte agrochimice obtinute prin aplicare.....	1478
Marioara Nicoleta Filimon, Roxana Popescu, A.Simitean, Paula Maniu, G.Dumitrescu, Doina Verdes, C.S.Vlad	
Evaluarea efectelor solutiilor de chitosan asupra suselor bacteriene.....	1485
Cristina Angela Ghiorghie, Emilia Dimbu, TTirca, S.Andrian, C.Topliceanu, Gianina Iovan, Mihaela Salceanu	
Evaluarea eficientei terapiei de remineralizare si a laserului de hipersensibilitate dentinara cervicala.....	1489
Ana Roxana Ganceanu Rusu, Liliana Mititelu Tartau, C.Statescu, Mihaela Boanca, V.Poroch,	
R.V.Lupusoru, Nicoleta Dima, Codruta Badescu, Elena Rezus, C.Rezus, Catalina Elena Lupusoru	
Studiul parametrilor dinamici, imunobiochimici si interferentele farmacologice in sidromul metabolic.....	1493
Lacramioara Olarasu, Maria Stoicescu, L.Malureanu, I.Onutu	
Consideratii privind utilizarea unui fluid de fisurare hidraulica pentru dezemulsionarea titeiului din zacamant.....	1498
Roxana Maria Livadariu, R.Danila, Lidia Ionescu, Delia Ciobanu, D.Timofte	
Studiul markerilor biochimici si clinici in steatohepatita cauzata de obezitate.....	1501
Daniela Jumanca, Anamaria Matichescu, Atena Galuscan	
Metoda experimentală de producere a hidroxiapatitei.....	1506
Elena Mihalceanu, Daniela Cristina Dimitriu, LT.Lazar, Brindusa Alina Petre, G.Constantinescu, D.Nemescu, Ioana Scripcariu	
Rolul unor markeri peptidici ai angiogenezei in managementul hipertensiunii la gravide.....	1509
R.Nagib, Roxana Zogorean, Oana Isabella Gavriliuc, Camelia Szuhanek, B.Moldoveanu,	

Meda Lavinia Negruțiu, C.Sinescu, V.Paunescu, S.Brad	
Evaluarea citotoxicitatii legaturilor ortodontice din metal si rasini imprimate 3D.	
Studiul comportarii <i>in vitro</i> al culturilor de celule.....	1515
V.D.Baleanu, D.Vasile, A.M.Gogana, PI.Tomescu, D.Davitoiu, Alexandra Belega, I.Georgescu, D.O.Alexandru,	
S.I.Bordu, Diana Ioana Voicu, Ana Laura Manda	
Comorbiditati si complicatii de ordin clinic si biochimic in chirurgia defectelor parietale abdominale cu materiale protetice sintetice.....	1519
Carmen Todea, Andreea Igna, Emilia Ogodescu, Irina Zetu, A.Ogodescu	
Studiul compatibilitatii noilor biomateriale in tratamentele de prezervare a pulpei vitale in stomatologia pediatrica	1524
Veronica Calborean, Silvia Alina Miscoci, O.Istratoaie, Oana Galceava, D.O.Alexandru, Maria Manuela Guta,	
V.Gheorman, V.Padureanu, C.M.Fortofoiu, Anda Lorena Dijmarescu, D.L.Gheonea	
Corelatii intre ciroza hepatica si riscul de aritmii cardiace.....	1527
K.Gruszka	
Investigarea aliajului Fe ₂ MnGe Heusler folosind teoria functionalitatii densitatii.....	1533
Eliza Cintea, Anda Ungureanu, Mihaela Balgradean, A.Nicolescu	
Efectele benefice ale acetaminofenului asupra mediatorilor chimici implicați în inchiderea PDA.....	1537
Oana Viola Badulescu, R.Tudor, W.Friedel, A.Scripcaru, PD.Sirbu	
Eficacitatea alfa-morocotocog in managementul hemostazi la pacientii cu hemofilie de tip A cu indicatie de artroplastii elective.....	1541
Lavinia Duica, Elisabeta Antonescu, M.Pirlog, T.Purnichi, Julianna Szakacs, Maria Totan, B.I.Vintila,	
Mihaela Cernusca Mitariu, S.I.Cernusca Mitariu, Andreea Stetiu, Gabriela Bota, Alina Bereanu, Marinela Minodora Manea	
Corelatii clinice si biochimice ale agresivitatii la pacientii tineri cu tulburari psihice.....	1544
Rosana Manea, Bianca Elena Popovici, Carmen Daniela Neculoiu, D.Minea, Alina Calin	
Aplicatii ale masuratorilor grosimii intima/media carotidei pentru prognozarea hipertensiunii esentiale la copii.....	1550
Larisa Anghel, Catalina Arsenescu Georgescu	
Prevalenta factorilor de risc cardiovasculari la pacientii cu infarct miocardic acut si bloc de ram stang nou aparut din zona de nord-est a Romaniei.....	1554
Anca Daniela Braila, C.A.Ionescu, Alina Calin, Anca Emanuela Măsetescu, C.Lungulescu, M.Braila, D.Navolan, A.Neacsu	
Markeri biochimici hormonali pentru monitorizarea sarcinii ectopice.....	1558
A.I.Cucu, Claudia Florida Costea, A.Carauleanu, Gabriela Florenta Dumitrescu, Anca Sava,	
Ioana Sadiye Scripcariu, V.V.Costan, S.Turliuc, I.Poeata, Dana Mihaela Turliuc	
Influenta radioactivitatii accidentale de la Cernobil asupra dezvoltarii meningioamelor cerebrale in regiunea nord-est a Romaniei, in perioada 1990-2015.....	1562
Claudia Florida Costea, Ioana Sadiye Scripcariu, Raluca Dragomir, Cristina Dimitriu, Mihaela Dana Turliuc,	
Gabriela Florenta Dumitrescu, Nicoleta Dumitrescu, Valeriana Vornicu, Anca Sava, A.Cucu, S.Turliuc, A.Carauleanu	
Proprietatile chimice ale membranei amniotice umane in utilizarea oftalmologica.....	1566
D.Vasincu, Roxana Irina Iancu, Liliana Chelaru, Gabriela Stoleriu, M.Costuleanu	
Efecte biochimice ale unor inductori de stes ai reticulului endoplasmic asupra celulelor stem mezenchimale <i>in vitro</i>	1570
Monica Monea, Daniela Esian, Reka Soos, A.Tohati, A.Sitaru, Cristina Ioana Bica	
Influenta laserilor asupra dizolvarii si a morfologiei cimentului radicular.....	1574
C.G.Popă, LLuchian, Nicoleta Ioanid, Ancuta Goriuc, Ioana Martu, Dana Bosinceanu,	
Maria Alexandra Martu, TTirca, Silvia Martu	
Evaluarea prin ELISA a nivelurilor RANKL in fluid gingival la pacientii cu parodontita si trauma ocluzala.....	1578
Aureliana Caraiane, Andreea Szalontay, Luana Andreea Macovei, Aurelia Romila, L.I.Indrei, Mioara Decusara, TTirca	
Manifestari oral faciale cauzate de utilizarea medicatiei psihotropice la pacientii cu afectiuni psihiatrice.....	1581
G.Ungureanu, Gabriela Ignat, Elena Leonte, Carmen Luiza Costuleanu, S.Jitareanu, D.Donosa,	
E.Teodorescu Soare, LG.Sandu	
Managementul deseurilor solide urbane aplicat in zonele metropolitane romane.....	1585
M.Nabialek, Kinga.Jez	
Influenta metodei de fabricatie asupra structurii si a proprietatilor magnetice ale aliajelor pe baza de fier racit rapid.....	1593
Alice Arina Ciocan Pendefunda, Constanta Mocanu, Doriana Agop Forna, Cristina Lordache,	
Elena Luca, Gabriela Ifteni, Consuela Norina Forna	
Studiul comportarii electrochimice a unor aliaje dentare.....	1598