

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.Spiridon Din, Anca Maria Cimbru, A.A.K.K.Rikabi, Szidonia Katalin Tanczos,
Simona Ticu(Cotorcea), G.Nechifor**

Iono-molecular Separation with Composite Membranes. VI. Nitro-phenol separation through sulfonated polyether ether ketone on capillary polypropylene membranes.....1603

**N.M.Stirbescu, Rodica Mariana Ion, A.Radu, Sofia Teodorescu, I.A.Bucurica,
Raluca Maria Stirbescu, Maria Geba, Ioana Daniela Dulama**

Complex Analytical Investigations of Old Wax-sealed Romanian Paper Documents.....1608

**Cristina Emanuela Enascuta, E.Stepan, Elena Emilia Oprescu, A.Radu, Elvira Alexandrescu,
Rusandica Stoica, D.G.Epure, Mihaela Doina Niculescu**

Microencapsulation of Essential Oils.....1612

Viviana Mihaela Ivan, M.Georgescu, A.Apostol, N.Albulescu, Ana Florina Serb, Carmen Sofica Tat

Trimetazidine, a Metabolic Modular, with Cardioprotective Effects Against Myocardial Ischemia.....1616

I.Lingvay, Valerica Stanoi, Livia Carmen Ungureanu, Ana Maria Luchian, Gabriela Oprina

Thermochemical Stability of Some Transformer Oils-Flammable Gas Formation Due to the Thermal Aging.....1621

**A.Lobiuc, S.Olaru, Elena Iren Hancu, Naela Costica, Maria Emiliana Fortuna,
Maria Magdalena Zamfirache, G.Constantinescu**

Toxicity and removal of Direct Red 28 diazo dye in living polymeric systems.....1628

O.M.Russu, Gabriela Strnad, L.Jakab Farkas, R.Cazacu, A.Feier, I.Gergely, C.Trambitas, Cecilia Petrovan

Electrochemical Synthesis of Nanostructured Oxide Layers on Threatened Surfaces of Medical Implants.....1636

Nicoleta Petrea, Raluca Ginghina, Andra Pretorian, R.Petre, G.Birsan, P.Otrisal, D. E. Mosteanu

Experimental Survey Regarding the Dangerous Chemical Compounds from Military Polygons that Affect the Military Health and the Environment.....1640

D.Tutunea

Study of the Variation of Kinematic Viscosity and Density of Various Biodiesel Blends with Temperature.....1645

Mariana Daniela Berechet, Mihaela Doina Niculescu, Carmen Gaidau, Madalina Ignat, D.G.Epure

Alkaline-Enzymatic Hydrolysis of Wool Waste for Different Applications.....1649

**I.A.Pop, Andreea Elena Rosu, G.Neacsu, D.C.Anghel, V.Rizea, M.Branzei, C.M.Ducu,
Maria Magdalena Dicu, Marioara Abrudean**

The Influence of the High Temperatures Thermal Shocks on the Microstructure and Hardness of Zircaloy-4 Alloy.....1655

Aissa Bouaissi, Long Yuan Li, Ligia Mihaela Moga, I.G.Sandu, M.M.Al Bakri Abdullah, A.V.Sandu

A Review on Fly Ash as a Raw Cementitious Material for Geopolymer Concrete.....1661

Ana Maria Alexandra Stanescu, Ioana Veronica Grajdeanu, Mihaela Adela Iancu,

Anca Pantea Stoian, O.G.Bratu, B.Socea, Laura Ileana Socea, Camelia Cristina Diaconu

Correlation of Oral Vitamin D Administration with the Severity of Psoriasis and the Presence of Metabolic Syndrome.....1668

Viviana Aursulesei, A.Manta, Razan Al Namat, Monica Hugianu, Angela Maria Moloce, V.C.Aursulesei, M.Constantin

The Relation of Body Mass Index to Biochemical Parameters and Profile of Heart Failure.....1673

Amina Mumtaz, T.Mahmud, M.R.J.Elsegood, G.W.Weaver

Synthesis, Characterization and *in vitro* Biological Evaluation of a New Schiff Base Derived from Drug and its Complexes with Transition Metal Ions.....1678

R.Necula, Elvira Gille, A.C.Dirtu, I.Sandu, V.R.Gradinaru, Ana Petcu, G.Drochioiu

Heavy Metal Induced Cuticular Alkane Changes of Tall Fescue (*Festuca arundinacea*) Plantlets.....1682

**Razan Al Namat, M.Constantin, Ionela Larisa Miftode, A.Manta, A.Petris, R.Miftode,
A.D.Costache, D.Ilieșcu, Irina Iuliana Costache**

Biochemical Markers in Patients with Readmission for Congestive Heart Failure.....1687

Dana Maria Albulescu, Adelina Smaranda Preda, A.Camen, Nina Ionovici

Ibandronat in the Therapy of Osteoporosis in Turner Syndrome.....1692

M.Rusanescu, Carmen Otilia Rusanescu, G.Voicu, Mihaela Begea

Applications of Bentonite to Soil Decontamination.....1695

Cristina Elena Savencu, S.Porojan, Liliana Porojan

Analysis of Internal and Marginal Fit of Metal-ceramic Crowns During Processing, Using Conventional and Digitized Technologies.....1699

Ayesha Kanwal, M.Imran, Z.Iqbal, Summia Rehman, Z.Danish, N.Batool, L.Mitu

Synthesis and Structural Studies of Bismuth-piroxicam Complex.....1702

**Nicoleta Dumitru, Andra Cocolos, Andra Caragheorgheopol, C.Dumitache, O.G.Bratu, T.P.Neagu,
Camelia Cristina Diaconu, Adina Ghemigian**

Collagen-the Ultrastructural Element of the Bone Matrix.....1706

G.Dumitrescu, D.Dronca, Liliana Petculescu Ciochina, Mirela Ahmadi, I.Pet, Nicoleta Marioara Filimon, Roxana Popescu	Effects of Octylphenol Biodegradation and Toxicity in Biological Systems.....	1710
Roxana Ionela Vasluiianu, Norina Consuela Forna, Elena Raluca Baciu, Mirela Zaltarov, Lavinia Vasiliu, Alice Murariu	In vitro Evaluation of Enamel Surface Treated with Fluoride After Bleaching and Etching Erosive Processes.....	1714
Catrinel Florentina Paduraru (Giurescu Bedreag), Nina Filip, Adriana Trifan, S.D.Miron, Codruta Badescu, Irina Iuliana Costache, Razan Al Namat, B.Diaconescu, N.Dumitrescu, Manuela Ciocoiu	Evaluation of the Effects of a <i>Pinus Brutia</i> Bark Extract on Biochemical Parameters and Blood Prsssure in an Experimental Arterial Hypertension.....	1718
Asmat Zahra, T.Mahmud, H.A.Shad, M.N.Tahir, Hajira Rehman, Tanzeela Gulab Shahzady, Z.Ali	Synthesis, Characterization and Magnetic Studies of Co(II), Mn(II), and Cu(II) Complexes Containing Nitrogen-Oxygen Donor Ligands.....	1722
Manuela Chivu, C.Tantar, E.Hutu, Raluca Monica Comaneanu, Elena Rusu	Evaluation of Bone Healing of Artificial Defects in Laboratory Animals After Covering with Alloplastic Material.....	1728
M.Dumitrescu, Alina Badanoiu, C.D.Voinitchi, Georgeta Voicu	Assesing Rheological Properties of Cement Paste as a First Step in Predicting Robustness of Self-Compacting Concrete.....	1733
V.D.Baleanu, D.V.Constantin, Anca Pascal, D.O.Alexandru, Simona Bobic, B.Socea, Ana Laura Manda, D.Davitoiu, Anda Lorena Dijmarescu, I.Georgescu, C.S.Mirea	Use of Synthetic Prosthetic Materials Surgical Abdominal Defects. Analysis of the advantages and lack of the Liechtenstein method.....	1740
R.Dmour, Liliana Mititelu Tartau, Allia Sindilar, S.A.Pasca, A.H.Nedelcu, D.V.Crauciuc, C.I.Drochioi, Raluca Ecaterina Haliga, Loredana Hilitanu, A.C.Pinzariu, Roxana Gabriela Cobzaru, Catalina Elena Lupusoru, R.V.Lupusoru	Experimental Researches on the Effects of Some Antibiotics on Carrageenan-induced Rat PAW Inflammation.....	1744
Sinziana Calina Silisteau, Loredana Mitariu, R.Ranga, Elisabeta Antonescu, Corina Lavinia Duica, Mihaela Racheriu, Maria Totan, Marinela Minodora Manea	Potentiating the Effect of Treatment with Voltaren Gel Using Ultrasonic Frequencies of 1 MHz.....	1749
Laura Elisabeta Checherita, I.C.Lupu, O.Stamatin, Daniela Manuc	Aesthetic and Functional Oral Rehabilitation with Oclusal Trays, Ultrasoundotherapy and Tolperison Hydrochloride Treatment in Patients with Dysfunctional Syndrome of Stomatognathic System and Muscular Affection.....	1752
Luminita Confederat, Juliana Motrescu, Sandra Constantin, Florenta Lupascu, Lenuta Profire	Biopolymers with Medical Applications. Optimized methods for obtaining chitosan-based delivery systems.....	1756
Diana Pascalau, M.C.Dudescu, Violeta Merie, M.Pustan, T.E.Marinca, D.C.Ionel, Anca Stefania Mesaros	Oxidative Chemical Hybrid Formulation for Internal Bleaching of Endodontically Treated Teeth.....	1760
Edith Simona Ianosi, Paraschiva Postolache, Luana Andreea Macovei, Miocra Szathmary, Simona Szasz, Roxana Maria Nemes, Gabriela Jimborean	Smoking Cessation in COPD Patients by a Selective Partial Nicotinic Agonist.....	1766
Mihaela Salceanu, A.A.Iliescu, A.Iliescu, Aureliana Caraiane, Mihaela Monica Scutariu, Anca Melian	Chemical Processes in Endodontic Failure Due to Incidents and Accidents.....	1770
Irina Gradinaru, L.Ignat, Florica Doroftei, Maurusa Elena Ignat, Magda Ecaterina Antohe	Research Regarding the Improvement of Different Dental Contemporary Composite Materials Structure.....	1774
Alice Arina Ciocan Pendefunda, R.Leata, V.Nicolae, Codrina Ancuta, Adriana Elena Craciun, Diana Cerghizan, Cristina Iordache	Axenic Culture of Human Gingival Fibroblasts for Tissue Engineering.....	1778
Nesteroidic Antiinflammatories with Variable Chemical Structure that Prevent Anti-inflammatory Effect in the Carpal Tunnel Syndrome-Compressive Neuropathy of the Median Nerve.....	1779	
Ondine Lucaciu, R.S.Campian, Olga Soritau, C.Berce, A. Mester, D.Apostu, ETabarany, M.Manole, Roxana Bordea, D.C.Ionel, Anca Ionel	Dental Follicle Stem Cells as a Biomaterial for Periodontal Regeneration.....	1785
M.Manole, A.V.Burde, Claudia Milea, Alina Neculescu, R.Ciocoiu, O.Trante, C.Sinescu, A.Mohan, Diana Dudea, D.C.Ionel, Sorana Baciu	Implementation of Holographic Research in Periodontal Disease.....	1791
A.Neacsu, Alina Calin, Anca Daniela Braila, D.Navolan, M.Dimitriu, Catalina Diana Stanica, Raluca Ioan, C.Ionescu	Chemical Effects and Predictive Factors in Premature Birth.....	1796
Ioana Aurita Albu Stan, Cecilia Petrovan, Diana Cerghizan, D.E.Albu, Adriana Elena Craciun, C.Copotoiu	Chemical Features of Bisphosphonates and Histopathological Outcomes in Rat Jaw Treated with Zoledronic Acid Combined with Dexamethasone.....	1802
C.C.Budacu, C.Mihai, Aureliana Caraiane, Oana Elena Ciurcanu, M.Balan	The Role of Chemical Factors in Oro-Maxi-Facial Surgery. The effiency of surgical act in lower lip cancer.....	1808
O.G.Bratu, R.D.Marcu, B.Socea, T.PNeagu, Camelia Cristina Diaconu, I.Scarneciu, Flavia Liliana Turcu, G.D.Radavoi, Elvira Bratila, C.Berceanu, A.D.Spinu	Immunohistochemistry Particularities of Retroperitoneal Tumors.....	1813
D.Vasincu, Roxana Irina Iancu, I.Cazan, Gabriela Stoleriu, M.Costuleanu	Biochemical Effects of Retinoid Derivatives on Mesenchymal Stem Cells <i>In Vitro</i>	1817
Sinziana Lovin, D.C.Stefanescu, R.Hainarosie, Malina Ciomasu	Metabolic Features in Patients with Obstructive Sleep Apnea Hypopnea Syndrome.....	1821
C.Babis, A.Semenescu, Oana Roxana Chivu, Maria Alina Gligor, G.Iacobescu, S.Ghimisi, Olivia Negoita	The Determination of Noxes Emissions in Case of Manual Arc Welding Process with Coated Electrode.....	1826

C.Nicolescu, A.Pop, A.Mihu, Luminita Pilat, O.Bedreag, Laura Nicolescu	
The Evaluation of the Role of the Cytokines TNF-alfa and IL 6 in the Production of Hypoalbuminemia in Patients Undergoing Major Surgical Interventions.....	1830
Hajnal Kelemen, Angella Csillag, Bela Noszal, G.Orgovan	
NMR Studies of the Inclusion Complexes Between Ezetimibe and Cyclodextrins.....	1838
Lavinia Stelea, Izabella Petre, M.Craina, Brigithe Vlaicu, Alina Sisu, Elena Pop, R.D.Moleriu, Mihaela Viviana Ivan, T.Novak, L.Fulger	
Body Mass Index, Follicle-Stimulating Hormone and their Predictive Value in Vitro Fertilization.....	1842
Delia Anne Marie Drone, Dana Ortansa Dorohoi, D. G. Dimitriu, H.U.Kasper	
Optical and Chemical Study of Quartz from Granitic Pegmatites.....	1846
Cristina Gabriela Ene, Anca Rosu, V.Gheorman, Veronica Calborean, T.S.Tenea Cojan, Otilia Constantina Rogoveanu, Mihaela Ionela Vladu, L. Radu	
Incidence of Osteoporosis and the Risk of Fracture in Patients with Rheumatoid Arthritis Undergoing Corticosteroid Treatment.....	1851
D.Badoiu, Georgeta Toma	
Research Concerning the Kinetostatic Analysis of the Mechanism of the Conventional Sucker Road Pumping Units.....	1855
Luciana Teodora Rotaru, Renata Maria Varut, M.Banicciou Covei, Irina Iuliana Costache, M Novac, Oana Nicolaescu, Cristina Florescu, Alina Petrica, R.Kostici, Daniela Ciobanu	
Determination of Antioxidant Components and Activity of <i>Tamarix ramosissima</i> Comparative with <i>Vaccinium myrtillus</i> on Streptozotocin-diabetic Mice.....	1860
Carmen Otilia Rusanescu, G.Voicu, M.Rusanescu, S.S.Biris	
Getting Oil Pipes High Strength Quenched and Tempered Condition.....	1866
Galina Pancu, Simona Stoleriu, Nicoleta Tofan, Irina Nica, Cristina Angela Ghiorge, Gianina Iovan, Antonia Moldovanu, Georgiana Macovei, S.Andrian	
In vitro Assessment of the Effect of Opalustre Bleaching System on Dental Enamel.....	1871
Ioana Maria Carmen Ienascu, T. Balaes, Cristiana Virginia Petre, Raluca Oana Pop, Adina Cata, Mariana Nela Stefanut, P Albu, Marioara Poenaru	
Novel N-(2-bromo-phenyl)-2-hydroxy-benzamide Derivatives with Antifugal Activity.....	1876
P Chipurici, Al. Vlaicu, C. E. Raducanu, Stefania Daniela Bran, Adina Ionuta Gavrilă	
Biodiesel Production from Waste Oil and Its Blends with Glycerol Ketals.....	1881
A. Oancea, Casiana Stanescu, Diana Maria Anastasiu Popov, R. Neamtu, D. Anastasiu, A. Gluhovschi, Marioara Poenaru	
Pregnancy Anemia as a Favorable Factor Prematur Birth.....	1886
D. Perju Dumbrava, Carmen Corina Radu, Tatiana Iov, Simona Irina Damian, I. Sandu, D. Timofte, O. Chiroban	
An Unusual Case of Accidental Carbon Monoxide and Ethanol Intoxication in Two Commorientes Deaths.....	1889
Elena Ionescu, Tanta Verona Iordache, Carmen Elena Tebrenu, Ruxandra Mihaela Cretu, Ana Mihaela Florea, Anita Laura Radu, Anamaria Zaharia, A. Sarbu	
Evaluating the Content of Active Principles from Wild <i>Hypericum perforatum L</i> in Various Harvesting Seasons.....	1892
Irina Gabriela Ionita, V. Zinea, C. D. Stefanescu, Catalina Pietrosanu, Mura Hainarosie, S. Pituru, Andreea Rusescu, Camelia Cristina Diaconu, R. Hainarosie	
Chemical Ablation of Cartilagineous Tissue in Tracheal Stenosis.....	1898
Codruta Victoria Tigmeanu, Ramona Amina Popovici, Anca Porumb, Angela Codruta Podariu, Lavinia Ardeleana, I. Olariu, I. V. Corlan, Mihaela Florica Adomnicai, Alexandra Roi	
Radioactivity - Risk Factor in Oral Health and of Structural Dental Anomalies.....	1901
Camelia Szuhanek, R. Nagib, C. Sinescu, Meda Lavinia Negruțiu, Nicoleta Manea, Roxana Buzatu, Stefania Dumitrescu, Anca Mesaros, R. Cocir, Eleonora Schiller, Adina Sarbu	
Orthodontic Mini-Implants Hybrid Expanders in Palatal Expansion.....	1905
M. Preda, Adelina Cheveresan, Iulia Pinzaru, A. Dobrescu, Ioana Zinuca Pavel, V. Vlaia, E. Sisu	
Chemical Composition and Biological Activity of Birch Bark Extracts on Human and Murine Healthy / melanoma cell lines.....	1907
Oana Viola Badulescu, R. Tudor, W. Friedl, Manuela Ciocoiu, P D. Sirbu	
Nanocog Alpha - an Efficient Therapeutic Option in Hemostase Management for Hemophilia Type B in Patients with Elective Arthroplasties.....	1911
B. M. Marinescu, C. D. Stefanescu, Ioana Tuhar, D. Muraru, I. Guzganu, R. Hainarosie, R. C. Jecan	
Complex Nasal Reconstruction Using Locoregional Flaps.....	1915

REVISTA DE CHIMIE

Bucuresti - Romania

Chem. Abs.: RCBUAU 69 (7) (1603-1917)

ISSN 0034-7752

ISSN CD-ROM: 2537-5733

ISSN-L 1582-9049

Vol. 69, nr. 7, iulie, 2018

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

7

CUPRINS

I.Spiridon Din, Anca Maria Cimbru, A.A.K.K.Rikabi, Szidonia Katalin Tanczos,

Simona Ticu(Cotorcea), G.Nechifor

Separari iono-moleculare cu membrane composite. VI. Separarea nitrofenolilor prin membrane din polieteretercetona sulfonata pe polipropilena capilara.....1603

N.M.Stirbescu, Rodica Mariana Ion, A.Radu, Sofia Teodorescu, I.A.Bucurica,
Raluca Maria Stirbescu, Maria Geba, Ioana Daniela Dulama

Investigatii analitice complexe ale unor sigilii vecchi din ceara prelevate de pe documente romanesti din hartie.....1608

Cristina Emanuela Enascuta, E.Stepan, Elena Emilia Oprescu, A.Radu, Elvira Alexandrescu,

Rusandica Stoica, D.G.Epure, Mihaela Doina Niculescu

Microincapsularea uleiurilor esentiale.....1612

Viviana Mihaela Ivan, M.Georgescu, A.Apostol, N.Albulescu, Ana Florina Serb, Carmen Sofica Tatú

Trimetaziadona - un modulator metabolic cu efecte cardioprotective impotriva ischemiei miocardice.....1616

L.Lingvay, Valerica Stanoi, Livia Carmen Ungureanu, Ana Maria Luchian, Gabriela Oprina

Stabilitatea termochimica a unor uleiuri de transformator - formarea de gaze inflamabile in urma imbatranirii termice.....1621

A.Lobiuc, S.Olaru, Elena Iren Hancu, Naela Costica, Maria Emiliana Fortuna,

Maria Magdalena Zamfirache, G.Constantinescu

Toxicitatea si eliminarea colorantului diazo Direct Red 28 in sisteme polimerice vii

1628

O.M.Russu, Gabriela Strnad, L.Jakab Farkas, R.Cazacu, A.Feier, I.Gergely, C.Trambitas, Cecilia Petrovan

Sinteza electrochimica a depunerilor de oxid nanostructurate pe suprafetele tratate ale implanturilor medicale.....1636

Nicoleta Petrea, Raluca Ginghina, Andra Pretorian, R.Petre, G.Birsan, P.Otrisal, D.E. Mosteanu

Studiu experimental privind compusii chimici periculosi din poligoanele militare,
care afecteaza sanatatea militarilor si mediul.....1640

D.Tutunea

Studiul variației viscozitatii cinematice si densitatii a diferitelor amestecuri de biodiesel cu temperatura.....1645

Mariana Daniela Berechet, Mihaela Doina Niculescu, Carmen Gaidau, Madalina Ignat, D.G.Epure

Hidroliza alcalino-enzimatica a deseurilor de lana pentru diverse aplicatii.....1649

I.A.Pop, Andreea Elena Rosu, G.Neacsu, D.C.Anghel, V.Rizea, M.Branzei, C.M.Ducu,

Maria Magdalena Dicu, Marioara Abrudean

Influenta socrurilor termice la temperaturi inalte asupra microstructurii si duritatii aliajului zircaloy-4.....1655

Aissa Bouaissi, Long Yuan Li, Ligia Mihaela Moga, LG.Sandu, MM.Al Bakri Abdullah, A.V.Sandu

Studiu privind cenusile zburatoare utilizate ca materie prima pentru betonul geopolimeric.....1661

Ana Maria Alexandra Stancescu, Ioana Veronica Grajdceanu, Mihaela Adela Iancu,

Anca Pantea Stoian, O.G.Bratu, B.Socea, Laura Ileana Socea, Camelia Cristina Diaconu

Corelarea administrarii orale a vitaminei D cu gravitatea Psoriasisului si prezenta sindromului metabolic.....1668

Viviana Aursulesei, A.Manta, Razan Al Namat, Monica Hugianu, Angela Maria Moloce, V.C.Aursulesei, M.Constantin

Relatia dintre indicele de masa corporala, parametrii biochimici si afectiunile cardiace.....1673

Amina Mumtaz, T.Mahmud, M.R.J.Elsegood, G.W.Weaver

Sinteza, caracterizarea si evaluarea biologica *in vitro* a unor noi baze Schiff derivate
din medicamente si complecsii lor cu ioni ai metalelor tranzitionale.....1678

R.Necula, Elvira Gille, A.C.Dirtu, LSandu, V.R.Gradinaru, Ana Petcu, G.Drochioiu

Studiul influentei metalelor grele asupra continutului de alcani din cuticula plantulelor de *Festuca arundinacea*.....1682

Razan Al Namat, M.Constantin, Ionela Larisa Miftode, A.Manta, A.Petris, R.Miftode,

A.D.Costache, D.Iliescu, Irina Iuliana Costache

Markerii biochimici la pacientii cu reinternari pentru insuficienta cardiaca congestiva

1687

Dana Maria Albulescu, Adelina Smaranda Preda, A.Camen, Nina Ionovici

Utilizarea ibandronatului in terapia osteoporozei la pacientii cu Sindrom Turner.....1692

M.Rusanescu, Carmen Otilia Rusanescu, G.Voicu, Mihaela Begea

Aplicatii ale bentonitei in decontaminarea solului.....1695

Cristina Elena Savencu, S.Porojan, Liliana Porojan

Evaluarea adaptabilitatii interne si marginale a coroanelor metalo-ceramice obtinute
cu ajutorul tehnologiilor conventionale si digitale.....1699

Ayesha Kanwal, M.Imran, Z.Iqbal, Summia Rehman, Z.Danish, N.Batool, L.Mitu

Sinteza si studiul structural al complecsilor bismut/piroxamicam.....1702

Nicoleta Dumitru, Andra Cocolos, Andra Caragheorgheopol, C.Dumitrache, O.G.Bratu, T.PNeagu, Camelia Cristina Diaconu, Adina Ghemigan	1706
Colagenul - elementul ultrastructural al matricei osoase.....	
G.Dumitrescu, D.Dronca, Liliana Petculescu Ciochina, Mirela Ahmadi, I.Pet, Nicoleta Marioara Filimon, Roxana Popescu	1710
Efectele biodegradarii octilfenolului si toxicitatea in sistemele biologice.....	
Roxana Ionela Vasluiyanu, Norina Consuela Forna, Elena Raluca Baciu, Mirela Zaltariov, Lavinia Vasiliu, Alice Murariu	1714
Evaluarea <i>in vitro</i> a suprafetei smaltului tratat cu fluoruri dupa procesul de albire si gravaj acid.....	
Catrinel Florentina Paduraru (Giurescu Bedreag), Nina Filip, Adriana Trifan, S.D.Miron, Codruta Badescu, Irina Iuliana Costache, Razan Al Namat, B.Diaconescu, N.Dumitrescu, Manuela Ciocoiu	1718
Evaluarea efectelor extractului din scoarta de <i>Pinus brutia</i> asupra parametrilor biochimici si presiunii sanguine in hipertensiunea experimentală.....	
Asmat Zahra, T.Mahmud, H.A.Shad, M.N.Tahir, Hajira Rehman, Tanzeela Gulab Shahzady, Z.Ali	1722
Sinteză, caracterizarea si studiile magnetice ale complexelor Co(II), Mn(II) si Cu(II).....	
Manuela Chivu, C.Tantar, E.Hutu, Raluca Monica Comaneanu, Elena Rusu	1728
Evaluarea vindecării osoase a defectelor artificial create la animale de laborator după acoperirea cu material aloplastic.....	
M.Dumitrescu, Alina Badanoiu, C.D.Voinitchi, Georgeta Voicu	1733
Evaluarea robustetii si a proprietatilor reologice ale pastei de ciment ca un prim pas in predictia robustetii betonului autocompactant.....	
V.D.Baleanu, D.V.Constantin, Anca Pascal, D.O.Alexandru, Simona Bobic, B.Socea, Ana Laura Manda, D.Davitoiu, Anda Lorena Dijmarescu, I.Georgescu, C.S.Mirea	1740
Utilizarea materialelor protetice sintetice in chirurgia defectelor parietale abdominale. Analiza avantajelor si a dezavantajelor metodei liechtenstein.....	
R.Dmour, Liliana Mititelu Tartau, Allia Sindilar, S.A.Pasca, A.H.Nedelcu, D.V.Crauciuc, C.I.Drochioi, Raluca Ecaterina Haliga, Loredana Hilitanu, A.C.Pinzariu, Roxana Gabriela Cobzaru, Catalina Elena Lupusoru, R.V.Lupusoru	1744
Cercetari experimentale privind efectele unor chimioterapice antibacteriene asupra inflamatiei labei cu caragenan la sobolan.....	
Sinziana Calina Silisteau, Loredana Mitariu, R.Ranga, Elisabeta Antonescu, Corina Lavinia Duica, Mihaela Racheriu, Maria Totan, Marinela Minodora Manea	1749
Potentarea efectului tratamentului cu voltaren gel prin utilizarea ultrasunetelor cu frecvențe de 1 MHz.....	
Laura Elisabeta Checherita, I.C.Lupu, O.Stamatin, Daniela Manuc	1752
Reabilitarea orala estetica si functionala cu ajutorul gutierelor ocluzale, ultrasonoterapie si tratamentul cu hidroclorura de Tolperison la pacientii cu sindrom disfunctional al sistemului stomatognatic si afectiuni musculare.....	
Luminita Confederat, Iuliana Motrescu, Sandra Constantin, Florenta Lupascu, Lenuta Profire	1756
Biopolimeri cu aplicatii medicale: optimizarea metodelor pentru obtinerea unor sisteme de eliberare pe baza de chitosan.....	
Diana Pascalau, M.C.Dudescu, Violeta Merie, M.Pustan, T.EMarinca, D.C.Ionel, Anca Stefania Mesaros	1760
Formulari hibride oxidative pentru albirea interna a dintilor tratati endodontic.....	
Edith Simona Ianosi, Paraschiva Postolache, Luana Andreea Macovei, Miocra Szathmary, Simona Szasz, Roxana Maria Nemes, Gabriela Jimborean	1766
Combaterea fumatului la pacientii cu boala bromhopulmonara obstructiva cronica cu agonist selectiv partial de nicotina.....	
Mihaela Salceanu, A.A.Ilieciu, A.Ilieciu, Aureliana Caraianu, Mihaela Monica Scutaru, Anca Melian	1770
Procese chimice in secul endodontic datorat incidentelor si accidentelor.....	
Irina Gradinaru, L.Ignat, Florica Doroftei, Maurusa Elena Ignat, Magda Ecaterina Antohe	1774
Cercetari privind optimizarea structurii diferitelor materiale compozite actuale.....	
Alice Arina Ciocan Pendefunda, R.Leata, V.Nicolae, Codrina Ancuta, Adriana Elena Craciun, Diana Cerghizan, Cristina Iordache	1779
Antiinflamatoarele nesterodiene cu structura chimica variata care predomina efectul antiinflamator in sindromul de tunel carpian-neuropatie compresiva a nervului median.....	
Ondine Lucaciu, R.S.Campian, Olga Soritau, C.Berce, A.Mester, D.Apostu, F.Tabaran, M.Manole, Roxana Bordea, D.C. Ionel, Anca Ionel	1785
Celule stem utilizeaza ca biomateriale pentru regenerarea periodontala.....	
M.Manole, A.V.Burde, Claudia Milea, Alina Necsulescu, R.Ciocoiu, O.Trante, C.Sinescu, A.Mohan, Diana Dudea, D.C.Ionel, Sorana Baciu	1791
Implementarea cercetarilor holografice in afectiunile periodontale.....	
A.Neacsu, Alina Calin, Anca Daniela Braila, D.Navolan, M.Dimitriu, Catalina Diana Stanica, Raluca Ioan, C.Ionescu	1796
Efecte chimice si factori predictivi in nasterea prematura.....	
Ioana Aurita Albu Stan, Cecilia Petrovan, Diana Cerghizan, D.E.Albu, Adriana Elena Craciun, C.Copotoiu	1802
Particularitatii chimice ale biofosfonatilor si consecintele histopatologice asupra ghearelor soarecilor tratati cu acid zoledronic combinat cu Dexametazona.....	
C.C.Budacu, C.Mihai, Aureliana Caraianu, Oana Elena Ciurcanu, M.Balan	1808
Rolul factorilor chimici in chirurgia oro-maxilo-faciala. Eficienta actului chirurgical in cancerul buzei inferioare.....	
O.G.Bratu, R.D.Marcu, B.Socea, T.PNeagu, Camelia Cristina Diaconu, I.Scarneciu, Flavia Liliana Turcu, G.D.Radavoi, Elvira Bratila, C.Berceanu, A.D.Spinu	1813
Particularitatii imunohistochimice ale tumorilor retroperitoneale.....	
D.Vasincu, Roxana Irina Iancu, I.Cazan, Gabriela Stoleriu, M.Costuleanu	1817
Efecte biochimice ale derivatilor retinoici asupra celulelor stem mezenchimale <i>in vitro</i>	

Sinziana Lovin, D.C.Stefanescu, R.Hainarosie, Malina Ciumasu	1821
Tulburari metabolice in sindromul de apnee-hipopnee obstructiva in somn.....	
C.Babis, A.Semenescu, Oana Roxana Chivu, Maria Alina Gligor, G.Jacobescu, S.Ghimisi, Olivia Negoita	1826
Determinarea emisiilor de noxe in cazul sudarii manuale cu arc electric cu electrod invelit.....	
C.Nicolescu, A.Pop, A.Mihu, Luminita Pilat, O.Bedreag, Laura Nicolescu	1830
Evaluarea rolului citotoxinelor TNF-alfa si IL6 in producerea hipoalbuminemiei la pacientii care au suferit interventii chirurgicale majore.....	
Hajnal Kelemen, Angella Csillag, Bela Noszal, G.Orgovan	1838
Studiu RMN a complexelor de inclusiune a ezetimibului cu cyclodextrine.....	
Lavinia Stelea, Izabella Petre, MCraina, Brigittha Vlaicu, Alina Sisu, Elena Pop, R.D.Moleriu, Mihaela Viviana Ivan, T.Novak, L.Fulger	1842
Indicele de masa corporala, hormonul de stimulare foliculara si valoarea lor predictiva la fertilizarea <i>in vitro</i>	
Delia Anne Marie Drone, Dana Ortansa Dorohoi, D. G. Dimitriu, H.U.Kasper	1846
Studiul optic si chimic al cuartului din pegmatitele granitice.....	
Cristina Gabriela Ene, Anca Rosu, V.Gheorman, Veronica Calborean, T.S.Tenea Cojan, Otilia Constantina Rogoveanu, Mihaela Ionela Vladu, L. Radu	1851
Incidenta osteoporozei si riscul de fractura la pacientii cu poliartrita reumatoida aflati sub tratament corticosteroid.....	
D.Badoiu, Georgeta Toma	1855
Cercetari privind analiza cinetostatica a mecanismului unitatilor de pompare conventionale.....	
Luciana Teodora Rotaru, Renata Maria Varut, M.Banicioiu Covei, Irina Iuliana Costache, M.Novac, Oana Nicolaescu, Cristina Florescu, Alina Petrica, R.Kostici, Daniela Ciobanu	1860
Determinarea componentelor si a activitatii antioxidant ale speciei <i>Tamarix ramosissima</i> comparativ cu <i>Vaccinium myrtillus</i> , utilizand soareci cu diabet streptozotocinic.....	
Carmen Otilia Rusanescu, G.Voicu, M.Rusanescu, S.S.Biris	1866
Obtinerea teilor petroliere de inalta rezistenta in stare calita si revenita.....	
Galina Pancu, Simona Stoleriu, Nicoleta Tofan, Irina Nica, Cristina Angela Ghiorghie, Gianina Iovan, Antonia Moldovanu, Georgiana Macovei, S.Andrian	1871
Evaluarea <i>in vitro</i> a modificarilor induse de sistemul de albire Opalustre asupra smaltului.....	
Ioana Maria Carmen Ienascu, T. Balaes, Cristiana Virginia Petre, Raluca Oana Pop, Adina Cata, Mariana Nela Stefanut, P.Albu, Marioara Poenaru	1876
Noi derivati N-(2-bromo-fenil)-2-hidroxi-benzamida cu activitate antifungica.....	
P.Chipurici, Al. Vlaicu, C. E. Raducanu, Stefania Daniela Bran, Adina Ionuta Gavrila	1881
Obtinerea biodieselului din uleiuri uzate si amestecurile sale cu cetealii glicerinei.....	
A. Oancea, Casiana Stanescu, Diana Maria Anastasiu Popov, R. Neamtu, D. Anastasiu, A. Gluhovschi, Marioara Poenaru	1886
Anemia gestationala ca factor de risc pentru nasterea prematura.....	
D. Perju Dumbrava, Carmen Corina Radu, Tatiana Iov, Simona Irina Damian, I. Sandu, D. Timofte, O. Chiroban	1889
Caz atipic de intoxikatie accidentală cu monoxid de carbon si etanol in doua decese la comorienți.....	
Elena Ionescu, Tanta Verona Iordache, Carmen Elena Tebrencu, Ruxandra Mihaela Cretu, Ana Mihaela Florea, Anita Laura Radu, Anamaria Zaharia, A. Sarbu	1892
Evaluarea continutului de principii active din <i>Hypericum perforatum L.</i> , salbatic recoltat in sezoane diferite.....	
Irina Gabriela Ionita, V. Zainea, C. D. Stefanescu, Catalina Pietrosanu, Mura Hainarosie, S. Pituru	1898
Andreea Rusescu, Camelia Cristina Diaconu, R. Hainarosie	
Ablatia chimica a tesutului cartilaginos in stenozele tracheale.....	
Codruta Victoria Tigmeanu, Ramona Amina Popovici, Anca Porumb, Angela Codruta Podariu, Lavinia Ardeleana, I. Olariu, I. V. Corlan, Mihaela Florica Adomnicai, Alexandra Roi	1901
Radiactivitatea - factor de risc in sanatatea orala si in anomaliiile dentare de structura.....	
Camelia Szuhanek, R. Nagib, C. Sinescu, Meda Lavinia Negrutiu, Nicoleta Manea, Roxana Buzatu, Stefanija Dumitrescu, Anca Mesaros, R. Cocir, Leonora Schiller, Adina Sarbu	1905
Miniplanturi ortodontice hibride utilizate pentru expansiune palatala.....	
M. Preda, Adelina Cheveresan, Iulia Pinzaru, A. Dobrescu, Ioana Zinuca Pavel, V. Vlaia, E. Sisu	1907
Compozitia chimica si activitatea biologica a extractelor din coaja de mestecan asupra sanatatii oamenilor si soareciilor.....	
Oana Viola Badulescu, R. Tudor, W. Friedl, Manuela Ciocoiu, P.D. Sirbu	1911
Nanocog alfa obtiune terapeutica eficienta in managementul hemostazei la pacientii cu hemofilie de tip B si artroplastii elective.....	
B. M. Marinescu, C. D. Stefanescu, Ioana Tuhar, D. Muraru, I. Guzganu, R. Hainarosie, R. C. Jecan	1915
Reconstructia nazala complexa utilizand lambouri locoregionale.....	