

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

Ioana Georgiana Lazar, Elena Diacu, Gabriela Geanina Vasile, Eleonora Mihaela Ungureanu, A.A.Ivanov

Study of Analytical Parameters of a Differential Pulse Voltammetric Method using Chemically

Modified Electrodes for Lead Analysis in Water.....2311

Ramona Daniela Paveloiu, Fawzia Sha'at, Corina Bubueanu, Georgeta Neagu, A.Albulescu, Cristina Hlevca, G.Nechifor

Release of Polyphenols from Liposomes Loaded with *Echinacea purpurea*.....2315

S.Hodisan, Gabriela Elena Badea, Simona Bungau, Mioara Sebesan,

Carmen Elena Melinte(Frunzulica), Maria Popa, Delia Mirela Tit

The Quality of Underwater Supplies in Western Romania.....2318

Daniela C.Culita, Claudia Maria Simionescu, Rodica Elena Patescu, N.Stanica

Chitosan-based Magnetic Composites- Efficient Adsorbents for Removal of Pb(II) and Cu(II) from

Aqueous Mono and Bicomponent Solutions.....2323

Antonina Gritco Todirascu, Cezarina Morosanu, Doina Partenie, Dana Ortansa Dorohoi, Dorina Creanga

Quantum Mechanical and Spectral Comparative Study of 1-p-Nitro-Benzoyl-Benzo[f]Quinolinium

Methylid and 1-p-Nitrobenzoyl-2,3-Dicarbomethoxy-Pyrrolo-[1,2a]-Benzo[f]Quinoline.....2331

Mariana Popescu, Diana Puiu, Anca Daniela Raiciu

Comparative Study of α and β -pinene Content in Volatile Oils of *Abies alba*, *Pinus sylvestris*,

Juniperus communis, *Rosmarinus officinalis* and *Coriandrum sativum*.....2338

Tatiana Taranu, Maria Magdalena Constantin, Mihaela Paula Toader, Irina Esanu, Madalina Mocanu

The Benefits of Using Iodine Solution in the Treatment of Acne at Pregnant Women.....2343

Stefania Felicia Barbuceanu, O.T.Olaru, G.M.Nitulescu, C.Draghici, Laura Illeana Socea,

Florica Barbuceanu, C.Enache, G.Saramet

Synthesis and Structural Characterization of Some Potential Anti-Virulence 1,2,4-Triazoles and 1,3,4-Thiadiazoles.....2346

Angela Cozma, Adela Sitar Taut, Olga Orasan, Lucia Maria Procopciuc, Anca Daniela Farcas,

Adina Stan, V.Negrean, D.Sampelean, Dana Pop, D.Zdrengea, Adriana Fodor

The Relationship Between eNOS (G894T) Gene Polymorphism and Arterial Stiffness in Patients with Metabolic Syndrome.....2351

Carmen Otilia Rusanescu, M.Rusanescu

Process Design in the Manufacturing of Pipes for Chemical and Petrochemical Industry.....2357

Irina C.Chis, Doina Baltaru, Simona Clichici, O.Oniga, Illeana Cojocaru, Cristina Nastase

The Effects of a 5-Chromene-yl-thiazolidin-2,4-dione Derivative in Alleviating Oxidative Stress in Adjuvant-induced Arthritis.....2361

A.Cucos, PBudrugarac, ILingvay, Adriana Mariana Bors, Andreea Voina

Comparative TG/DTG/DTA+FTIR Studies Concerning the Stability of Some Mineral and Vegetable Electro-insulating Fluids.....2366

Maria Laura Muncaci, EZamora Marin, Nastasia Pop, Anca Cristina Babes, C.I.Bunea,

Stefania Silvia Balea, Anamaria Calugar

Functional Tannins in Grape Pomace Flours of Feteasca Neagra and Italian Riesling.....2372

D.Duda Seiman, Alexandra Batalu, Corina Duda Seiman, Mihaela Ciopec, Ana Maria Udrea,

Marilena Motoc, Adina Negrea, Speranta Avram

Pharmacological Effects of Natural Compounds Extracted from *Urtica dioica* Evaluated by *in Silico* and Experimental Methods.....2377

A.A.Ahmed, R.Prejbeanu, D.Vermesan, B.Deleanu, M.Ionitescu, S.Florescu, Cristina Daliborca Vlad, V.Dumitrascu

Dose Effect of Local Betamethasone Injection in Low Back Pain.....2382

Valentina Gabriela Gurita (Ciobotaru), Ioana Zinuca Pavel, Marioara Poenaru, Elena Alina Moaca,

S.Florescu, Corina Danciu, V.Dumitrascu, Ilinca Imbreia, Georgeta Pop

Assessment of the Antioxidant Effect of Ethanolic Extracts Obtained from *Agrimonia eupatoria* L.,

Filipendula ulmaria (L) Maxim. and *Filipendula vulgaris* Moench Collected from the Western Part of Romania.....2385

M.C.T.Dimitriu, C.A.Ionescu, Diana Claudia Gheorghiu, Laura Illeana Socea, O.G.Bratu,

V.D.Constantin, Liana Ples, A.Neacsu, Simona Bobic, B.Socea

Mepivacaine Hydrochloride- an Efficient Local Anesthetic Solution for the Electroresection of

the Benign and Preneoplastic Lesions of the Cervix Uterus.....2391

C.Berceanu, Elena Loredana Ciurea, Monica Mihaela Cirstoiu, Sabina Berceanu,

Anca Maria Ofiteru, Claudia Mehedintu, S.I.Berbece, R.Ciortea, A.E.Stepan, T.A.Balseanu

Maternal-Fetal Management in Trombophilia Related and Placenta-Mediated Pregnancy Complications.....2396

Patricia Nicola, Elena Ardeleanu, Carmen Gadau, Maria Dorobantu, Roxana Darabont,

LTilea, Andreea Varga, Roxana Folescu, Alexandra Simona Zamfir, Mihaela Boanca,

Liliana Strat, Teim Baaj, Daniela Gurgus

Evaluation of Biochemical and Clinical Parameters of Hypertension with Type 2 Diabetes Mellitus.....2402

D.Perju Dumbrava, Carmen Corina Radu, Sofia David, Tatiana Iov, C.J.Iov, I.Sandu, Diana Bulgaru Iliescu

The Importance of Alcohol Testing by Gas Chromatography vs. the Cordebard Classical Method

Modified in the Medico Legal Investigation.....2407

V.Malishev, Angelina Gab, D.Shakhnin, Cristina Donath, Elena Ionela Neacsu, Ana Maria Popescu, V.Constantin	
Influence of Electrolysis Parameters on Mo and W Coatings Electrodeposited from Tungstate, Molybdate and Tungstate-Molybdate Melts.....	2411
M.Branzei, M.O.Cojocaru, L.N.Druja, Florica Tudose, Roxana Trusca	
Non-Toxic Environment for Ferritic Nitrocarburising Process.....	2416
I.V.Asaftei, N.C.Lungu, I.G.Sandu, A.E.Spac, Maria Ignat	
Performance of MFI Zeolite Catalysts in <i>n</i> -heptane Conversion Reaction Test.....	2420
Carmen Gadau, Elena Ardeleanu, Roxana Folescu, L.Tilea, Andreea Varga, Alexandra Simona Zamfir, Mihaela Boanca, R.PDobrin, Liliana Strat, Teim Baaj, Patricia Nicola, Alina Costina Luca, Daniela Gurgus	
Prevalence, Characteristics and Predictive Factors of Microalbuminuria in Resistant Systemic Arterial Hypertension.....	2425
Elena Simona Bacaita, C.S.Stan, MAgop, Gabriela Cioca	
Spectral Properties of HEMA/poly(HEMA) as Ligand in Luminescent Europium Based Complexes Through Computational Investigation.....	2430
R.Turcu, M.Moga, A.Barbilian	
Aspects of Cementation in Shoulder Hemiarthroplasty after Complex Fracture of the Proximal Humerus.....	2435
Dana Maria Albulescu, Mara Carsote, Nina Ionovici, Adina Ghemigian, Mihaela Popescu, Mihaela Jana Tuculina, Ionela Teodora Dascalu, Smaranda Adelina Preda, T.Tirca, M.S.Petrescu, Marilena Bataiosu, E.S.Bechir	
5-Hydroxytryptamine and Skeleton Influence. Clinical study.....	2438
C.Levente Giuroiu, S.Andrian, A.S.Pasca, Ana Maria Fatu, M.B.Vascu	
Assessment of Physical and Chemical Parameters of Four Endodontic Sealants.....	2443
C.I.Tanase, C.Draghici, Catalina Negut, Lucia Pintilie	
New Constrained Amines in a Bicyclo[2.2.1]heptane Skeleton.....	2448
E.L.Criste, D.Mierlita, D.Simeanu, PC.Boisteanu, LM.Pop, B.Georgescu, G.Nacu	
Study of Fatty Acids Profile and Oxidative Stability of Egg Yolk from Hens Fed a Diet Containing White Lupine Seeds Meal.....	2454
Veronica Calborean, Daniela Ciobanu, S.C.Mirea, Oana Galceava, V.Gheorman, V.Padureanu, C.M.Fortofoiu, Maria Fortofoiu, A.Mita, S.N.Dinescu, Silvia Alina Miscoci, Venera Cristina Dinescu	
Benefit of Cardiac Resynchronization Therapy in Patients with Heart Failure.....	2461
I.Olariu, Roxana Radu, Teodora Olariu, Andrada Christine Serafim, Ramona Amina Popovici, S.Florescu, C.Nica, Liana Todor, Codruta Victoria Tigneanu	
An Analysis of Dental Implants Survival and Succes.....	2465
Mariana Stuparu Cretu, Camelia Busila, Doina Carina Voinescu, Gabriela Balan	
The Correlations Between ABO Blood Type and the Metabolic Disorders in Adolescents with Polycystic Ovarian Syndrome.....	2467
Andra Cocolos, Adina Ghemigian, Nicoleta Dumitru, Eugeniya Nedeltcheva Petrova, M.Ghemigian, Andra Caragheorgheopol, D.Ioachim, Catalina Poiana	
Lower Vitamin D Status in Patients with Differentiated Thyroid Carcinoma.....	2472
Oana Viola Badulescu, Magda Badescu, Manuela Ciocoiu, Madalina Mocanu	
Flow Citometry With Inflorescence-An Accessible Method in the Study of Qualitative and Quantitative Modifications of Blood Platelets in Immune Thrombocytopenic Purpura.....	2476
Ionela Mihaela Vladu, L.Radu, Sigina Rodica Girgavu, T.S.Tenea Cojan, Cristina Gabriela Ene, Veronica Calborean, V.Gheorman, Diana Clenciu	
Alteration of Glucidic Metabolism in Relation with Visceral Adiposity Index.....	2479
Iuliana Hunea, Simona Irina Damian, Carmen Corina Radu, S.Moldoveanu, Tatiana Iov	
Postmortem Specificity of Troponin for Acute Miocard Infarction Diagnosis through Qualitative Dosing from Pericardial Fluid.....	2482
I.Pencea, M.Branzei, M.O.Cojocaru, Ramona Nicoleta Turcu, C.Predescu, A.Berbecaru, Alina Popescu Arges, B.Comanescu	
A New Robust Top-Down Method for Measurement Uncertainty Estimation of the ED(P)-XRFS Outcomes Carried on a Fluorescence Glass.....	2487
Ana Maria Oproiu, LLascar, O.Dontu, C.Florea, Rodica Scarlet, Ioana Sebe, Lidia Dobrescu, Carmen Moldovan, C.Niculae, R.Cergan, D.Besnea, Suzana Cismas, D.David, D.Muraru, T.Neagu, M.E.Pogarasteanu, C.Stoica, A.Edu, Chen Feng Ifrim	
Topography of the Human Ulnar Nerve for Mounting a Neuro-Prosthesis with Sensory Feedback.....	2494
B.Sendrea, A.Edu, G.Viscopoleanu	
The Role of Magnetic Resonance Imaging for Diagnosing Soft Tissue Lesions Associated with Anterior Cruciate Ligament Injuries....	2498
Anca Plavitu, M.E.Pogarasteanu, M.Moga, M.Lupusoru, Florentina Ionita Radu, A.Edu	
3D Printing as a Way of Integrating Mathematical Models in Arthroscopic Knee Surgery.....	2501
E.G.Haritidian, B.Sendrea, L.Nove Josserand	
The Challenges of Arthroscopic Diagnosis of Subscapularis Tears.....	2508
R.Orfanu, S.Mogos, A.Edu	
Concomitant Reconstruction of Anterior Cruciate Ligament and Medial Collateral Ligament. Surgical Procedure and Clinical Outcomes.....	2511
Anca Pantea Stoian, Grigorina Mitrofan, E.Colceag, Andra Iulia Suceveanu, R.Hainarosie, S.Pituru, Camelia Cristina Diaconu, D.Timofte, Cornelia Nitipir, Catalina Poiana, C.Serafinceanu	
Oxidative Stress in Diabetes.A model of complex thinking applied in medicine.....	2515
Simona Ruxandra Volovat, C.C.Volovat, L.Miron, D.V.Scripcariu, Elena Daniela Semen, Manuela Ciocoiu	
Magnesium Supplementation and Cisplatin-Induced Renal Impairment in Cancer Patients.....	2520

Maria Daniela Tanașescu, Andra Elena Balcangiu Stroescu, Laura Raducu, Alexandra Maria Limbau, A.C.Diaconescu, Daniela Gabriela Balan, D.Ionescu	2524
Uterine Cervical Cancer and Chronic Kidney Disease. An association that should not be skipped.....	
A.D.Meius, Teodora Ioana Ghindea, D.C.Stefanescu, Catalina Pietrosanu, Irina Ionita, D. Timofte, Andreea Ruseșcu, V.Zainea, R.Hainarosie	2527
Volumetric Reduction of the Inferior Turbinete.....	
Ana Balea, Maria Pojar Fenesan, Irina Ciotaus	2529
Studies on the Chemical Profile of Some Melliferous Plant from Cluj Area, Romania, Using Different Extraction Techniques.....	
C.Patrascioiu, M.Popescu	2535
Study of the Control Systems of a Distillation Process Equipped with Heat Pump.....	
Raluca Barzoi, Elena Rezus, Codruta Badescu, Razan Al Namat, Manuela Ciocoiu	2541
The Impact of Proinflammatory Cytokines of Rheumatoid Polyarthritis on the Generalized Loss of Bone Mass.....	
M.Nabialek, B.Jez, Kinga Jez	2546
Influence of the Process for Obtaining Massive Amorphous Materials on the Defects of the Structure in the Alloy $Fe_{61+x}Co_{10-x}Y_8W_1B_{20}$, where $x=0$ or 1	
C.Babis, A.Semenescu, V.Petrescu, Oana Roxana Chivu, Olivia Negoita, G.Iacobescu, S.Ghimisi	2551
The Algorithm of Chemical Risk Assessment in a Welded Construction Company.....	
L.C.Nwabudike, Alina Mihaela Elisei, Olimpia Dumitriu Buzia, Magda Miulescu, A.L.Tatu	2557
Statins. A Review on Structural Perspectives, Adverse Reactions and Relations with Non-Melanoma Skin Cancer.....	
D.Dobrota	2563
Corrosion of Welded Metal Structures of Mining Equipment.....	
Oana MDuicu, Ioan Z.Pavel, E.Borcan, Danina MMuntean, Adelina Cheveresan, E. A. Bratu, Laura Cristina Rusu, O.L. Karancsi	2567
Characterization of the Eugenol Effects on the Bioenergetic Profile of SCC-4 Human Squamous Cell Carcinoma Cell Line.....	
MSzota	2571
Three-layer Permutation of the Phonic Structure and the Influence of the Environment.....	
Alina Georgiana Ciufu, A.A.A.Al Janabi, Oana Cristina Parvulescu, T.Dobre, C. Raducanu	2578
Romanian Merino Wool Sorbent, for Oil Spill Cleanup.....	
Irina Pincovschi, Cristina Modrogañ	2575
The Determination of Mass Transfer Characteristics of a Column for Sulphur Dioxide Adsorption in 13 X Zeolite Working in Unsteady-State Regime.....	
Corina Popovici, Dana Ortansa Dorohoi, V.Sunel, Corina Cheptea	2581
Synthesis and Spectral Analysis of New Antitumor Compounds with Benzimidazole Structure.....	
M.Popescu	2585
Distillation Column Hierarchical Control.....	
Cristina Grigorescu, L.C.Gavril, Laura Gavril, T.Lunguleac, B.M.Ciuntu, A.Patrascu, E.Salahoru	2591
Characterization of the Serum α 1-Antitripsine Level in Primary Spontaneous Pneumotorax Patients.....	
L.Dragus, Alberta Simona Timu, C.Coman, Raluca Monica Comaneanu, Doina Lucia Ghergic	2594
Preliminary Studies on the Biomechanical Behavior of Metal-ceramic Restorations.....	
Neda Mozayjeni, A. Morsali, M. R. Bozorgmehr, S. A. Beyramabadi	2597
Quantum Chemical Insight into the Adsorption Mechanisms of Troxacicabine onto Functionalized Carbon Nanotubes.....	

REVISTA DE CHIMIE

Bucuresti - Romania

Chem. Abs.: RCBUAU 69 (9) (2311- 2602)

ISSN 0034-7752

ISSN CD-ROM: 2537-5733

ISSN-L 1582-9049

Vol. 69, nr. 9, septembrie, 2018

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

9

CUPRINS

Ioana Georgiana Lazar, Elena Diacu, Gabriela Geanina Vasile, Eleonora Mihaela Ungureanu, A.A.Ivanov Studiul parametrelor unor metode voltametrice puls-diferentiale utilizand electrozi chimici modificati pentru analiza plumbului din apa.....	2311
Ramona Daniela Pavaloiu, Fawzia Sha'at, Corina Bubueanu, Georgeta Neagu, A.Albulescu, Cristina Hlevca, G.Nechifor Eliberarea polifenolilor din lipozomi incarcati cu <i>Echinacea purpura</i>	2315
S.Hodisan, Gabriela Elena Badea, Simona Bungau, Miocra Sebesan, Carmen Elena Melinte(Frunzulica), Maria Popa, Delia Mirela Tit Calitatea surselor subterane de apa din vestul Romaniei.....	2318
Daniela C.Culita, Claudia Maria Simonescu, Rodica Elena Patescu, N.Stanica Compozite magnetice pe baza de chitosan - adsorbanti eficienti pentru indepartarea Pb(II) si Cu(II) din solutii apoase mono si bicomponent.....	2323
Antonina Gritco Todirascu, Cezarina Morosanu, Doina Partenie, Dana Ortansa Dorohoi, Dorina Creanga Studiul comparativ cuantum mecanic si spectral al 1-p-nitro-benzoil-benzo[f]chinolinium metilidinei si 1-p-nitrobenzoil-2,3-dicarbometoxi-pirolo-[1,2a]-benzo[f]chinolinei.....	2331
Mariana Popescu, Diana Puiu, Anca Daniela Raiciu Studiu comparativ cu privire la compozitia in c.s. si β-pinene in uleiurile volatile obtinute din <i>Abies alba</i> , <i>Pinus sylvestris</i> , <i>Juniperus communis</i> , <i>Rosmarinus officinalis</i> , <i>Salvia officinalis</i> si <i>Coriandrum sativum</i>	2338
Tatiana Taranu, Maria Magdalena Constantin, Mihaela Paula Toader, Irina Eusanu, Madalina Mocanu Beneficiile folosirii solutiei de iod in tratamentul acneei la femeile insarcinate.....	2343
Stefania Felicia Barbuceanu, O.T.Olaru, G.M.Nitulescu, C.Draghici, Laura Ileana Socea, Florica Barbuceanu, C.Enache, G.Saramet Sinteza si caracterizarea structurala a unor 1,2,4-triazoli si 1,3,4-tiadizoli cu potential antivirulent.....	2346
Angela Cozma, Adela Sitar Taut, Olga Orasan, Lucia Maria Procopciuc, Anca Daniela Farcas, Adina Stan, V.Negrean, D.Sampelean, Dana Pop, D.Zdrengea, Adriana Fodor Relatia dintre polimorfismul genei eNOS(G894T) si rigiditatea arteriala la pacientii cu sindrom metabolic.....	2351
Carmen Otilia Rusanescu, M.Rusanescu Experimentari privind fabricatia tevilor cu aplicatii in industria chimica si petrochimica.....	2357
Irina C.Chis, Doina Baltaru, Simona Clichici, O.Oniga, Ileana Cojocaru, Cristina Nastase Efectele derivatului 5-chromen-il-tiazolidin-2,4-diona in ameliorarea stresului oxidativ din artrita indusa cu adjuvant.....	2361
A.Cucos, PBudrigeac, LLingvay, Adriana Mariana Bors, Andreea Voina Studii comparative TG / DTG / DTA + FTIR privind stabilitatea unor fluide electroizolante minerale si vegetale.....	2366
Maria Laura Muncaciu, EZamora Marin, Nastasia Pop, Anca Cristina Babes, C.LBunea, Stefania Silvia Balea, Anamaria Calugar Tanicuri functionale din faina din tescovina de Feteasca Neagra si Riesling italian.....	2372
D.Duda Seiman, Alexandra Batalu, Corina Duda Seiman, Mihaela Ciopec, Ana Maria Udrea, Marilena Motoc, Adina Negrea, Speranta Avram Efectele farmacologice ale compusilor naturali extrasi din <i>Urtica dioica</i> evaluati prin metode <i>in silico</i> si prin metode experimentale.....	2377
A.Ahmed, R.Prejbeanu, D.Vernesan, B.Deleanu, M.Ionitescu, S.Florescu, Cristina Daliborca Vlad, V.Dumitrascu Efектul dozei unui tratament prin injectii locale cu betametazona in durerile lombare.....	2382
Valentina Gabriela Gurita (Ciobotaru), Ioana Zinuca Pavel, Marioara Poenaru, Elena Alina Moaca, S.Florescu, Corina Danciu, V.Dumitrascu, Ilinca Imbreia, Georgeta Pop Evaluarea efectului antioxidant al extractelor etanolice obtinute din <i>Agrimonia eupatoria</i> , <i>Filipendula ulmaria</i> si <i>Filipendula vulgaris</i> , colectate din partea de vest a Romaniei.....	2385
M.C.T.Dimitriu, C.A.Ionescu, Diana Claudia Gheorghiu, Laura Ileana Socea, O.G.Bratu, V.D.Constantin, Liana Ples, A.Neacsu, Simona Bobic, B.Socea Clorhidratul de mepivacaina - un anestezic local eficient in electroresectia leziunilor benigne si preneoplazice ale colului uterin si uterului.....	2391
C.Berceanu, Elena Loredana Ciurea, Monica Mihaela Cirstoiu, Sabina Berceanu, Anca Maria Ofiteru, Claudia Mehedintu, S.I.Berbece, R.Ciortea, A.E.Stepan, T.A.Balseanu Gestionarea complicatiilor materno-fetale determinate de trombofilie.....	2396
Patricia Nicola, Elena Ardeleanu, Carmen Gadau, Maria Dorobantu, Roxana Darabont, L.Tilea, Andreea Varga, Roxana Folescu, Alexandra Simona Zamfir, Mihaela Boanca, Liliana Strat, Teim Baaj, Daniela Gurgus Evaluarea parametrelor biochimici si clinici in hipertensiunea arteriala cu diabet zaharat de tip 2.....	2402
D.Perju Dumbrava, Carmen Corina Radu, Sofia David, Tatiana Iov, C.J.Iov, I.Sandu, Diana Bulgaru Iliescu Importanta testarii alcoolemiei prin gaz-cromatografie, versus metoda clasica Cordebarad modificata in investigarea medico-legala.....	2407

V.Malishev, Angelina Gab, D.Shakhnin, Cristina Donath, Elena Ionela Neacsu, Ana Maria Popescu, V.Constantin	2411
Influenta parametrilor de electroliza asupra acoperirilor de Mo si W electrodepuse din topituri de wolframat, molibdat si wolframat-molibdat.....	2411
M.Branzei, M.O.Cojocaru, L.N.Druja, Florica Tudose, Roxana Trusca	2416
Mediu nontoxic utilizat pentru nitrocarburare feritica.....	2416
I.V.Asaftei, N.C.Lungu, I.G.Sandu, A.E.Spac, Maria Ignat	2420
Performanta catalizatorilor MFI in reactia test de conversie a n-heptanului.....	2420
Carmen Gadau, Elena Ardeleanu, Roxana Folescu, I.Tilea, Andreea Varga, Alexandra Simona Zamfir, Mihaela Boanca, R.P.Dobrin, Liliana Strat, Teim Baaj, Patricia Nicola, Alina Costina Luca, Daniela Gurgus	2425
Prevalenta, caracteristicile si factorii predictivi ai microalbuminuriei si hipertensiunea arteriala rezistenta.....	2425
Elena Simona Bacaita, C.S.Stan, MAgop, Gabriela Cioca	2430
Proprietati spectrale ale HEMA/poli(HEMA) ca ligand in complexe luminescente pe baza de europiu prin investigatii computationale.....	2430
R.Turcu, M.Moga, A.Barbilian	2435
Aspecte privind cimentarea in hemiartroplastia umarului dupa o fractura complexa a humerusului.....	2435
Dana Maria Albulescu, Mara Carsote, Nina Ionovici, Adina Ghemigian, Mihaela Popescu, Mihaela Jana Tuculina, Ionela Teodora Dascalu, Smaranda Adelina Preda, T.Tirca, M.S.Petrescu, Marilena Bataiosu, E.S.Bechir	2438
5-hidroxitriptamina si influenta asupra scheletului: studiu clinic.....	2438
C.Levente Giuroiu, S.Andrian, A.S.Pasca, Ana Maria Fatu, M.B.Vascu	2443
Evaluarea parametrilor fizico-chimici a patru sigilanti endodontici.....	2443
C.I.Tanase, C.Draghici, Catalina Negut, Lucia Pintilie	2448
Noi amine rigidizate intr-un schelet biciclu [2,2,1] heptanic.....	2448
E.L.Criste, D.Mierlita, D.Simeanu, PC.Boisteau, I.M.Pop, B.Georgescu, G.Nacu	2454
Studiul profilului acizilor grasi si al stabilitatii oxidative a galbenusului de ou de la gaini hranite cu o dieta care contine seminte de lupin.....	2454
Veronica Calborean, Daniela Ciobanu, S.C.Mirea, Oana Galceava, V.Gheorman, V.Padureanu, C.M.Fortofoiu, Maria Fortofoiu, A.Mita, S.N.Dinescu, Silvia Alina Miscoci, Venera Cristina Dinescu	2461
Beneficiul tratamentului de cardiotimulare la pacientii cu insuficienta cardiaca.....	2461
I.Olariu, Roxana Radu, Teodora Olariu, Andrada Christine Serafim, Ramona Amina Popovici, S.Florescu, C.Nica, Liana Todor, Codruta Victoria Tigmeanu	2465
Analiza durabilitatii si a reusitei implanturilor dentare	2465
Mariana Stuparu Cretu, Camelia Busila, Doina Carina Voinescu, Gabriela Balan	2467
Corelatia intre grupele de sange AB0 si tulburarile metabolice la adolescentele cu sindromul ovarelor polichistice.....	2467
Andra Cocolos, Adina Ghemigian, Nicoleta Dumitru, Eugeniya Nedeltcheva Petrova, M.Ghemigian, Andra Caragheorgheopol, D.Ioachim, Catalina Poiana	2472
Nivelul scazut de vitamina D la pacientii cu carcinom tiroidian diferentiat.....	2472
Oana Viola Badulescu, Magda Badescu, Manuela Ciocoiu, Madalina Mocanu	2476
Flow citometria - o metoda accesibila pentru studiul modificarilor calitative si cantitative ale plachetelor in purpura trombocitopenica imuna.....	2476
Ionela Mihaela Vladu, L.Radu, Sigina Rodica Girgavu, T.S.Tenea Cojan, Cristina Gabriela Ene, Veronica Calborean, V.Gheorman, Diana Clenciu	2479
Alterarea metabolismului glucidic in relatie cu indexul adipos visceral.....	2479
Iuliana Hunea, Simona Irina Damian, Carmen Corina Radu, S.Moldoveanu, Tatiana Iov	2482
Specificitatea postmortem a troponinei pentru diagnosticul infarctului miocardic acut prin dozarea calitativa din lichidul pericardic.....	2482
I.Pencea, M.Branzei, M.O.Cojocaru, Ramona Nicoleta Turcu, C.Predescu, A.Berbecaru, Alina Popescu Arges, B.Comanescu	2487
O noua metoda robusta top-down pentru estimarea incertitudinii de masurare a rezultatelor ED (P) - XRFS obtinute pe o sticla fluorescenta.....	2487
Ana Maria Oproiu, LLascar, O.Dontu, C.Floreac, Rodica Scarlet, Ioana Sebe, Lidia Dobrescu, Carmen Moldovan, C.Niculae, R.Cergan, D.Besnea, Suzana Cismas, D.David, D.Miraru, T.Neagu, M.E.Pogarasteau, C.Stoica, A.Edu, Chen Feng Ifrim	2494
Topografia nervului ulnar uman pentru montarea unei neuroproteze cu feedback senzorial.....	2494
B.Sendrea, A.Edu, G.Viscopoleanu	2498
Rolul rezonantei magnetice pentru diagnosticul leziunilor de tesuturi moi asociate cu leziunile de ligament incruscat anterior.....	2498
Anca Plavitu, M.E.Pogarasteau, M.Moga, M.Lupusoru, Florentina Ionita Radu, A.Edu	2501
Printarea 3D, o cale de integrare a modelelor matematice in operatia artroscopica a genunchiului.....	2501
E.G.Haritidian, B.Sendrea, L.Nove Josserand	2508
Provocarile diagnosticului artroscopic al leziunilor de subscapular.....	2508
R.Orfanu, S.Mogos, A.Edu	2511
Reconstructia concomitenta a ligamentului incruscat anterior si a ligamentului colateral medial - procedura chirurgicala si rezultate clinice.....	2511
Anca Pantea Stoian, Grigorina Mitrofan, F.Colceag, Andra Iulia Suceveanu, R.Hainarosie, S.Pituru, Camelia Cristina Diaconu, D.Timofte, Cornelia Nitipir, Catalina Poiana, C.Serafinceanu	2515
Stresul oxidativ in diabet: un model de gandire complex aplicat in medicina.....	2515
Simona Ruxandra Volovat, C.C.Volovat, L.Miron, D.V.Scripcariu, Elena Daniela Semen, Manuela Ciocoiu	2520
Suplimentarea cu magneziu si disfunctia renala indusa de cisplatin la pacientii oncologici.....	2520
Maria Daniela Tanasescu, Andra Elena Balcangiu Stroescu, Laura Raducu, Alexandra Maria Limbau, A.C.Diaconescu, Daniela Gabriela Balan, D.Ionescu	2524
Cancerul de col uterin si acutizarea bolii cronice de rinichi - o asociere care nu trebuie omisa.....	2524

A.D.Meius, Teodora Ioana Ghindea, D.C.Stefanescu, Catalina Pietrosanu, Irina Ionita, D. Timofte, Andreea Rusescu, V.Zainea, R.Hainarosie	2527
Reducerea in volum a cometelor nazale inferioare.....	
Ana Balea, Maria Pojar Fenesan, Irina Ciotaus	
Studii privind profilul chimic al unor plante melifere din zona Cluj, Romania, utilizand tehnici de extractie diferite.....	2529
C.Patrascioiu, M.Popescu	
Studiul sistemelor de reglare asociate unei coloane de distilare prevazuta cu pompa termica.....	2535
Raluca Barzoi, Elena Rezus, Codruta Badescu, Razan Al Namat, Manuela Ciocoiu	
Impactul citochinelor proinflamatorii asupra pierderii de masa osoasa generalizata.....	2541
M.Nabialek, B.Jez, Kinga Jez	
Influenta procedeului de obtinere a materialelor amorse masive asupra defectelor structurii din aliajul $Fe_{61+x_c}O_{10-x}W_8B_{20}$, unde $x=0$ sau 1.....	2546
C.Babis, A.Semenescu, V.Petrescu, Oana Roxana Chivu, Olivia Negoita, G.Iacobescu, S.Ghimisi	
Algoritm de evaluare a riscului chimic intr-o intreprindere de constructii sudate.....	2551
L.C.Nwabudike, Alina Mihaela Elisei, Olimpia Dumitriu Buzia, Magda Miulescu, A.L.Tatu	
Statinele. O retrospectiva a proprietatilor structurale, a reactiilor adverse si legaturilor cu cancerul de piele non melanom.....	2557
D.Dobrota	
Coroziunea structurilor metalice sudate ale echipamentelor miniere.....	2563
Oana MDuicu, Ioan Z.Pavel, EBorcan, Danina MMuntean, Adelina Cheveresan, E. A. Bratu, Laura Cristina Rusu, O. L. Karancsi	
Caracterizarea efectelor eugenolului asupra profilului bioenergetic al liniei celulare SCC-4 de carcinom scuamos.....	2567
MSzota	
Permutarea in trei straturi a structurii fononice si influenta mediului.....	2571
Alina Georgiana Ciufu, A.A.A.Al Janabi, Oana Cristina Parvulescu, TDobre, C. Raducanu	
Indepartarea poluantilor petrolieri din apa utilizand ca absorbant lana merinos.....	2575
Irina Pincovschi, Cristina Modrogan	
Determinarea caracteristicilor de transfer de masa a unei coloane de adsorbție a dioxidului de sulf pe zeolit 13X in regim nestationar.....	2578
Corina Popovici, Dana Ortansa Dorohoi, VSunel, Corina Cheptea	
Sinteza si analiza spectrala ale unor noi compusi antitumorali cu structura benzimidazolica.....	2581
M.Popescu	
Conducerea ierarhica a unei coloane de fractionare.....	2585
Cristina Grigorescu, L.C.Gavril, Laura Gavril, T.Lunguleac, B.M.Ciuntu, A.Patrascu, PSalahoru	
Caracterizarea nivelului seric de c1-antitripsina la pacientii cu pneumotorax spontan primar.....	2591
L.Dragus, Alberta Simona Tinu, C.Coman, Raluca Monica Comaneanu, Doina Lucia Ghergic	
Studii preliminare privind comportamentul biomecanic al restaurarilor metalo-ceramice.....	2594
Neda Mozayjeni, A. Morsali, M. R. Bozorgmehr, S. A. Beyramabadi	
Studierea mecanismelor de adsorbție a troxacetabinei pe nanotuburi de carbon functionalizate.....	2597