



## INDEX OF AUTHORS

### A

ABDELMALEK I., voir BENABDALLAH N. ....	187
ABTI S., voir AGGOUN D. ....	5
ADĂSCĂLIȚEI F., RAȚ C. I., VLASSA M., VARGA R. A., SILVESTRU C., Synthesis and spectroscopic characterization of homoleptic triorganopnictogen(III) compounds – useful precursors for functionalized materials. Molecular structure of [4-((CH <sub>2</sub> O) <sub>2</sub> CH)C <sub>6</sub> H <sub>4</sub> ] <sub>3</sub> Sb, ....	247
ADEBAYO R. R., voir SIRAJO M. Z. ....	705
AGGOUN D., ABTI S., BERENQUER R., MORALLÓN E., OURARI A., A novel colorimetric naked eye detection probe for M <sub>2+</sub> and M <sub>3+</sub> ions based on a N,O-donor ligand: synthesis, characterization and catalytic properties, ....	5
AGHION I. A., SEPTLEAN R., MORARU I.-T., NEMES G., Targeted synthesis of stable tert-butyl-substituted phosphavinyl- and phosphavinyl(thioxo)phosphoranes and their gold(I) complexes ....	799
AI-KTAIFANI M. M., SABRA M. K., AL-KHOURY W. S., Mössbauer spectroscopy, crystal and molecular structures of the organic-inorganic hybrid salt: 1,1'-methylenedipyridinium pentacyanonitrosferrate(II) pentahydrate ....	717
AL-KHOURY W. S., voir AI-KTAIFANI M. M. ....	717
ALELWANI W., Graphitic carbon nitride: paving the way revolutionary biomedical and nano landscapes in the last decade ....	585
ALIBRAHIM M., Cloud point of mixed solutions of ionic-nonionic surfactants: influence of electrolytes ....	651
-, -, Cloud point extraction of malachite green dye from water samples using Triton X-100 as nonionic surfactant ....	671
ANARAKI-ARDAKANI H., voir SALEHI N. ....	53
ANASTASESCU C., ILIE (SANDULESCU) A. ....	385
ANDRIAN N., voir COSPRUNDAN A. M. ....	313
ANDRUH M., voir DOGARU A. ....	279
-, -, voir EFTEMIE D. I. ....	611
ANGHEL A., PURICE T. C., HANGANU A., PAUN A., POPESCU C. C., NICOLAU I., HADADE N. D., GAUTIER A., MATAACHE M., Structural diversification of N-acylhydrazones by click chemistry ....	299
APETROAEI M. M., voir GÎJIU C. L. ....	621
ATTAR T., voir DAOUDI C. ....	661
AUSTIN O., voir SIRAJO M. Z. ....	705
AZEEZ Y. H., KAREEM R. O., OMER R. A., Correlation between band gap, refractive index, optical electronegativity and dielectric constant of epinephrine substitution with phosphorus (P) and selenium (Se): DFT study, ....	25
AZIZKHANI V., MOHAMMADI B., KALANTARI M., MOGHADAMI F., Evaluation of the biological properties of RDX synthesized via efficient nitrolysis of hexamine by heteropolyacids using analysis of influential parameters obtained from central composite design method ....	93
AZZAHRA A. N. K., KHOLIDAH N., PANJAITAN A. G., TRIATMOKO B., KUSUMANINGRUM C. E., WONGSO H., NUGRAHA A. S., Isolation and computational studies of $\gamma$ -sitosterol from <i>Elaeocarpus grandiflorus</i> and its anti-diabetic and anti-hyperlipidemic activities ....	679

### B

BAJRAKTARI GASHI Z., KOVAČI AZEMI M., Environmental and health impacts of lignite dust pollution: a case study heavy metal emissions in Kosovo ....	199
BALABAN A. T., voir TABLET C. ....	243
BARBUL I., voir SOMESAN A.-A. ....	329
BELARBI E. H., voir BENABDALLAH N. ....	187
BELARBI N., CHABANE N., DERGAL F., Raman mapping spectroscopy and gravimetric studies on corrosion inhibition of carbon steel in hydrochloric acid solution with <i>Mentha pulegium</i> essential oil ....	687
BENABDALLAH N., ABDELMALEK I., DEBDAB M., BENNABI L., KAMOUN M., BELARBI E. H., The biological activity and drug release study of synthetic and encapsulated Mannich bases: (4-benzylidenemorpholin-4-ium and -1-phenyl-N-(thiazol-2-yl) methanimine, ....	187
BENCHADLI A., voir DAOUDI C. ....	661
BENNABI L., voir BENABDALLAH N. ....	187
BERENQUER R., voir AGGOUN D. ....	5
BOGDAN E., voir CRIȘAN A.P. ....	287
-, -, voir TERENTI N. ....	733

BOHAN C., CHIOREAN N., GAL E., POP A., Synthesis, characterization and reactivity of [(Z)-2'-{2-C <sub>6</sub> H <sub>5</sub> -(4H)-oxazol-5-one}CHC <sub>6</sub> H <sub>4</sub> ] <sub>2</sub> Se <sub>2</sub> , .....	337
-, -, voir DĂNILĂ A.-D. ....	791
BOUNEGRU A. V., voir LUPOAE M. ....	223
-, -, BUTAN S., TĂBĂCARU A., Fluorescent detection of sodium diclofenac by zinc(II) complexes containing pyridyl-type ligands .....	813
BRAHMI L., TEWFIK A.-D., HAMACHA R., HACINI S., Determination of the nature of acid sites in B-MCM-41 and A1-MCM-41 .....	639
BRATAN V., voir ILIE (SANDULESCU) A. ....	385
-, -, voir IONESCU N. I. ....	607
BREM B., voir COSPRUNDAN A. M. ....	313
BUTAN S., voir BOUNEGRU A. V. ....	813

## C

CANELA-GARAYOA R., voir DALLALI S. ....	43
CASTVAN I. J., voir MICIC A. ....	631
CAZACU M., voir DĂMOC M. ....	743
CĂTA L., voir CRIȘAN A.P. ....	287
CĂRĂC G., voir LUPOAE M. ....	223
CEYLAN B., ÖMAL C., ÖNAL A., Development of an HPLC method for the determination of fampridine (dalfampridine) in human plasma by fluorimetric derivatization and application to a prototype pharmacokinetic study .....	215
CHABANE N., voir BELARBI N. ....	687
CHENG Z., voir HE C. ....	147
CHERIF C. Z., voir DAOUDI C. ....	661
CHIOREAN N., voir BOHAN C. ....	337
-, -, voir DĂNILĂ A.-D. ....	791
CIUTU M. L., voir NECULAE A.-V.-F. ....	351
CIRKOVIC N., voir MICIC A. ....	631
CLIFFORD O. O., voir SIRAJO M. Z. ....	705
COSPRUNDAN A. M., ANDRIAN N., ZAGREAN-TUZA C., LEHENE M., BREM B., GAL E., LUPAN A., SILAGHI-DUMITRESCU R., Influence of the second coordination sphere on the autooxidation reaction in oxygen-binding proteins .....	313
CRISTEA M., voir RĂDUCĂ M. ....	345
CRIȘAN A.P., BOGDAN E., CĂTA L., HĂDADE N. D., TERECE A., Effect of $\pi$ -spacer rigidification on the optoelectronic properties and photovoltaic performance of small D- $\pi$ -A molecules .....	287
-, -, voir TERECE N. ....	733
CULITA D. C., voir ILIE (SANDULESCU) A. ....	385

## D

DALLALI S., RIGUENE H., FKIRI S., TOUMI L., CANELA-GARAYOA R., SALEM R. B., RIGANE G., GHAZGHAZI H., ERAS J., Pistacia lentiscus L., Phillyrea latifolia L., Globularia alypum L. and Ceratonia siliqua L.: UPLC-PDA-MS-tQ analysis of the phenolic content leaves' in relation to their growing area .....	43
DAOUDI C., HAMIDI F., BENCHADLI A., ATTAR T., SAIDI-BENDAHOU K., CHERIF C. Z., Optimizing corrosion inhibition of copper in sulfuric acid using magnesium-doped mesoporous manganese silicate: experimental and response surface methodology analysis .....	661
DASCĂLU M., voir DĂMOC M. ....	743
DĂMOC M., STOICA A.-C., DASCĂLU M., SHOVA S., CAZACU M., Paradigm Shift in silicon-oxygen bonding: a novel organodisiloxane with linear geometry .....	743
DĂNILĂ A.-D., BOHAN C., CHIOREAN N., GAL E., POP A., Synthesis and structural characterization of silver(I) and gold(I) metal complexes containing a new homoleptic diorganoselenium(II) ligand .....	791
DEBDAB M., voir BENABDALLAH N. ....	187
DERGAL F., voir BELARBI N. ....	687
DINCULESCU D., voir GÎJIU C. L. ....	621
DINICĂ R. M., voir LUPOAE M. ....	223
DJABALLAH M. L., voir KABOUCHE A. ....	169
DJORDJEVIC D., voir MICIC A. ....	631
DOGARU A., ION A. E., PATRASCU A. A., RĂDUCĂ M., DUCA G., ANDRUH M., NICA S., Halogen-bonded co-crystals of azulene-1-carboxaldehyde with perfluorinated diiodobenzenes, .....	279
DRAGANCEA D., voir EFTEMIE D. I. ....	611
DUCA G., voir DOGARU A. ....	279
DUMITRASCU F., voir RĂDUCĂ M. ....	345

## E

EFTEMIE D. I., MOCANU T., DRAGANCEA D., RĂDUCĂ M., ANDRUH M., Mononuclear and binuclear nickel(II) complexes with a Schiff base ligand derived from 2,3-dihydroxybenzaldehyde .....	611
---	-----

EL SAIED S. E. M., voir ESSA K. S. M. ....	207
ELGAILANI I. E. H., Method validation of UV-visible spectrometry of levothyroxine sodium drugs .....	179
ENACHE L., voir GÎJIU C. L. ....	621
ERAS J., voir DALLALI S. ....	43
ESSA K. S. M., MOSALLEM A. M., Urban diffusion and air quality models .....	65
-,-, TAHA H. M., Study the effect of wind variance, Eulerian and the Lagrangian integral time scales on the dispersion parameters .....	73
-,-, TAHA H. M., Comparison between analytical solution of advection diffusion equation and Gaussian plume model in three dimensions through different stabilities .....	83
-,-, EL SAIED S. E. M., MOSALLEM A. M., Three-dimensional analytical model for estimating concentration in a capping inversion and its hermitized .....	207

## F

FKIRI S., voir DALLALI S. ....	3
FRÎNCU A. M., voir TERENTI N. ....	733

## G

GAL E., voir COSPRUNDAN A. M. ....	13
-,-, voir BOHAN C. ....	337
-,-, voir DĂNILĂ A.-D. ....	791
GAUTIER A., voir ANGHEL A. ....	299
GHAZGHAZI H., voir DALLALI S. ....	43
GHEORGHE D., voir RENE A. L. ....	261
-,-, voir MARIA G. ....	751
GÎJIU C. L., To Professor Gheorghe Maria on the occasion of his 70th anniversary – excellency in chemical and biochemical engineering .....	547
-,-, APETROAEI M. M., ISOPESCU R., DINCULESCU D., GRIGORI D., ENACHE L., MITEA G., IANCU I. M., GRIGORE S., SCHRÖDER V., Experimental evaluation of chitosan characteristics on three model assays of biological interferences .....	621
GJINOVCI V., voir REXHEPI F. ....	111
GRIGORE S., voir GÎJIU C. L. ....	621
GRIGORI D., voir GÎJIU C. L. ....	621
GROSU I., voir TERENTI N. ....	731
GWUONWU N. R., voir SIRAJO M. Z. ....	705

## H

HACINI S., voir BRAHMI L. ....	639
HAIIDUC I., Molecular topologies of coordination complexes. Diversity and systematization .....	823
HAMACHA R., voir BRAHMI L. ....	639
HAMAM A., voir MAIZA M. ....	35
HAMIDI F., voir DAOUDI C. ....	661
HANGANU A., voir ANGHEL A. ....	299
HĂDADE N. D., voir CRIȘAN A.P. ....	287
-,-, voir ANGHEL A. ....	299
-,-, voir TERENTI N. ....	733
HE C., HOU L., SONG H., CHENG Z., SHUAI C., Electrochemical detection of dopamine at the poly-alanine/sulfosalicylic acid modified glassy carbon electrode .....	147
HILLEBRAND M., voir TABLET C. ....	243
HOU L., voir HE C. ....	147

## I

IANCU I. M., voir GÎJIU C. L. ....	621
ILIE (SANDULESCU) A., PREDOANA L., ANASTASESCU C., PANDELE-CUSU J., PEDA S., RUSU A., CULITA D. C., BRATAN V., MARALOIU V. A., TEODORESCU V. S., BALINT I., M. ZAHARESCU M., Photocatalytic degradation of ethanol driven by pristine and metal-modified TiO <sub>2</sub> obtained by sol-gel method .....	385
ION A. E., voir DOGARU A. ....	279
IONESCU N. I., BRATAN V., Oscillatory behavior of methanol oxidation on a solid catalyst .....	607
IONITA G., voir NECULAE A.-V.-F. ....	351
IONITA P., NECULAE A.-V.-F. ....	351
IORDACHE T.-A., voir MANOLACHE F.-A. ....	573
IRANKUNDA E., voir POP V. ....	359
-,-, voir POP V. ....	379
ISOPESCU R., voir GÎJIU C. L. ....	621

**J**

JEEVAN KUMAR R., voir SRIDEVI M. ....	101
---------------------------------------	-----

**K**

KABOUCHE A., DJABALLAH M. L., KABOUCHE D., Optimization study of the absorption of CO <sub>2</sub> by AMP-H <sub>2</sub> O system using Uniquac and Pitzer models .....	169
KABOUCHE D., voir KABOUCHE A. ....	169
KALANTARI M., voir AZIZKHANI V. ....	93
KAMOON M., voir BENABDALLAH N. ....	187
KAPRONCZAI E., voir PLĂMADA C.-F. ....	807
KHOLIDAH N., voir AZZAHRA A. N. K. ....	679
KOVAČI AZEMI M., voir BAJRAKTARI GASHI Z. ....	199
KUSUMANINGRUM C. E., voir AZZAHRA A. N. K. ....	679

**L**

LEHENE M., voir COSPRUNDAN A. M. ....	313
-, -, voir ZAGREAN-TUZA C. ....	767
LUPAN A., voir COSPRUNDAN A. M. ....	313
LUPOAE M., BOUNEGRU A. V., DINICĂ R. M., CĂRĂC G., Exploring in vitro antioxidant activity of <i>Allium ursinum</i> and <i>Alliaria petiolata</i> through various analytical methods .....	223

**M**

MAIZA M., HAMAM A., Preparation and characterization of plasticized poly(lactic acid) and poly( $\epsilon$ -caprolactone) blend with poly(ethylene glycol) (PEG) and triethyl citrate (TEC) .....	35
MANOLACHE F.-A., POTERAȘ C.-B., IORDACHE T.-A., TODAȘCĂ M.-C., Modern analytical techniques for vinegar authentication and quality assessment: a comprehensive review .....	573
MARALOIU V. A., voir ILIE (SANDULESCU) A. ....	385
MARIA G., voir RENE A. L. ....	261
-, -, RENE A. L., GHEORGHE D., MUSCALU C., The in-silico optimization of a fed-batch reactor for ethanol production by using several algorithms .....	751
MARVELOUS I. T., voir SIRAJO M. Z. ....	705
MATACHE M., voir ANGHEL A. ....	299
MICIC A., CASTVAN I. J., CIRKOVIC N., TODOROVIC B., DJORDJEVIC D., Kinetics studies of metal-complex dye adsorption on waste textile based adsorbent .....	631
MITEA G., voir GIJU C. L. ....	621
MITRASINOVIC P. M., Progress in decoding enzyme function by computational investigation correlated with experimental observation .....	133
MOCANU T., voir EFTEMIE D. I. ....	611
MOGHIMI A., voir SALEHI N. ....	53
MOHAMMADI B., voir AZIZKHANI V. ....	93
MORALLÓN E., voir AGGOUN D. ....	5
MORARU A., voir TEREANTI N. ....	733
MORARU I.-T., voir AGHION I. A. ....	799
MOSALLEM A. M., voir ESSA K. S. M. ....	65
-, -, voir ESSA K. S. M. ....	207
MU'AZU K., voir SIRAJO M. Z. ....	705
MUHAMMAD A. S., voir SIRAJO M. Z. ....	705
MUSCALU C., voir MARIA G. ....	751

**N**

NARESH U., voir SRIDEVI M. ....	101
NECULAE A.-V.-F., TECUCEANU V., IONITA P., SAVONEA F., CIUTU M. L., PADURETU C.-C., IONITA G., Synthesis and solubility properties of spin-labeled curcumin .....	351
NEMES G., voir AGHION I. A. ....	799
NICA S., voir DOGARU A. ....	279
NICOLAU I., voir ANGHEL A. ....	299
NUGRAHA A. S., voir AZZAHRA A. N. K. ....	679

**O**

OMER R. A., voir AZEEZ Y. H. ....	25
OSARHEKPAMHEN A. E., voir SIRAJO M. Z. ....	705

OURARI A., voir AGGOUN D. ....	5
OTARIGHO A., voir SIRAJO M. Z. ....	705
OZUNU A., voir POP V. ....	359
-, -, voir POP V. ....	379

## Ö

ÖMAL C., voir CEYLAN B. ....	215
ÖNAL A., voir CEYLAN B. ....	215

## P

PADURETU C.-C., voir NECULAE A.-V.-F. ....	351
PANDELE-CUSU J., voir ILIE (SANDULESCU) A. ....	385
PANJAITAN A. G., voir AZZAHRA A. N. K. ....	679
PATRASCU A. A., voir DOGARU A. ....	279
PAUN A., voir ANGHEL A. ....	299
PLĂMADA C.-F., KAPRONCZAI E., New zinc and cadmium complexes of organophosphorus ligands ....	807
POP A., voir TAMAS M. ....	305
-, -, voir BOHAN C. ....	337
-, -, voir TEREŢI N. ....	733
-, -, voir DĂNILĂ A.-D. ....	791
POP V., OZUNU A., IRANKUNDA E., Analysis of public awareness and perception of microplastic particles in Roumania .	359
-, -, OZUNU A., IRANKUNDA E., Are microplastic particles in our everyday life? Hidden sources and accessible solutions – Systematic review ....	379
POPA M. M., voir RĂDUCĂ M. ....	345
POPESCU C. C., voir ANGHEL A. ....	299
POTERAŞ C.-B., voir MANOLACHE F.-A. ....	573
PREDA S., voir ILIE (SANDULESCU) A. ....	385
PREDOANA L., voir ILIE (SANDULESCU) A. ....	385
PURICE T. C., voir ANGHEL A. ....	299
PUŞCAŞ A., voir REXHEPI F. ....	111

## R

RAMPRASAD T., voir SRIDEVI M. ....	101
RAZUS A. C., voir RĂDUCĂ M. ....	345
RAŢ C. I., voir ADĂSCĂLIŢEI F. ....	249
RĂDUCĂ M., voir DOGARU A. ....	279
-, -, POPA M. M., CRISTEA M., RAZUS A. C., DUMITRASCU F., Crystal structure and Hirshfeld surface analysis of (Z)-4-((5-isopropyl-3,8-dimethylazulen-1-yl)methylene)-2-phenyloxazol-5(4H)-one ....	345
-, - voir EFTEMIE D. I. ....	611
RENEA L., MARIA G., GHEORGHE D., In-silico derived optimal operation policies of a fed-batch bioreactor to maximize the mAbs production by using Pareto optimal techniques ....	216
-, -, voir MARIA G. ....	751
REXHEPI R., PUŞCAŞ A., GJINOVCİ V., Determination of ethanol content of fermented alcoholic beverages with FTIR spectroscopy and multivariate calibration ....	111
RIGANE G., voir DALLALI S. ....	43
RIGUENE H., voir DALLALI S. ....	43
ROMAN G., DASCĂLU M., ROŞCA I., Synthesis and reactivity of mannich bases. Part 32. Phenolic mannich bases of 1-(1-hydroxynaphthalen-2-yl)ethenone ....	157
ROŞCA I., voir ROMAN G. ....	157
RUSU A., voir ILIE (SANDULESCU) A. ....	385

## S

SABRA M. K., voir AI-KTAIFANI M. M. ....	717
SAIDI-BENDAHOU K., voir DAOUDI C. ....	661
SALEHI N., MOGHIMI A., ANARAKI-ARDAKANI H., Fabricated a novel magnetic hydrogel nanocomposite from xanthan gum for removal of Cu(II) from water and waste water samples ....	53
SALEM R. B., voir DALLALI S. ....	43
SAVONEA F., voir NECULAE A.-V.-F. voir ....	351
SEPTLEAN R., voir AGHION I. A. ....	799
SHUAI C., voir HE C. ....	147
SILAGHI-DUMITRESCU R., voir COSPRUNDAN A. M. ....	313
SILAGHI-DUMITRESCU R., voir ZAGREAN-TUZA C. ....	769
SILVESTRU A., voir TAMAS M. ....	305

SILVESTRU C., voir ADĂSCĂLIȚEI F. ....	249
SIRAJO M. Z., SULEIMAN I. Y., MU'AZU K., GWUONWU N. R., MUHAMMAD A. S., CLIFFORD O. O., ADEBAYO R. R., AUSTIN O., OSARHEKPAMHEN A. E., MARVELOUS I. T., OTARIGHO A., Characterization of Musanga cecropioides leaf as eco-friendly inhibitor for protection of oil and gas equipment in acidic environment .....	705
SOFIANE I., voir YOUSRA M. ....	119
SOMESAN A.-A., BARBUL I., VARGA R. A., Structural characterization of some symmetric bis-imines, .....	329
-, -, VARGA R. A., Tributyl- and triphenyltin(IV) dicarboxylates – from mononuclear specie to polymeric structures .....	781
SONG H., voir HE C. ....	147
SONICA A., voir ZAGREAN-TUZA C. ....	769
SRIDEVI M., NARESH U., JEEVAN KUMAR R., RAMPRASAD T., Structural, morphological and thermal analysis of NaCMC/HPC/MnO <sub>2</sub> polymernanofilms synthesized by using solution casting technique .....	101
STOICA A.-C., voir DĂMOC M. ....	743
SULEIMAN I. Y., voir SIRAJO M. Z. ....	705

## T

TABLET C., BALABAN A. T., HILLEBRAND M., Fluorescence quenching study of an oxazole derivative by metal ions ...	243
TAHA H. M., voir ESSA K. S. M. ....	73
-, -, voir ESSA K. S. M. ....	83
TAMAS M., POP A., SILVESTRU A., Homoleptic triorganotin(IV) organoselenolates of type R <sub>3</sub> Sn(SeCH <sub>2</sub> CH <sub>2</sub> pz) .....	305
TĂBĂCARU A., voir BOUNEGRU A. V. ....	813
TECUCEANU V., voir NECULAE A.-V.-F. ....	351
TEREC A., voir CRIȘAN A.P. ....	287
-, -, voir TEREȘTI N. ....	733
TEREȘTI N., MORARU A., POP A., BOGDAN E., FRÎNCU A. M., HĂDADE N. D., CRISAN A. P., TEREȘTI A., GROSU I., Synthesis, optoelectronic properties and single-crystal X-ray diffractometry investigation results of some arylamine derivatives for OSC devices .....	733
TEWFIK A.-D., voir BRAHMI L. ....	639
TODAȘCĂ M.-C., voir MANOLACHE F.-A. ....	573
TODOROVIC B., voir MICIC A. ....	631
TOUMI L., voir DALLALI S. ....	43
TRIATMOKO B., voir AZZAHRA A. N. K. ....	679

## V

VARGA R. A., voir ADĂSCĂLIȚEI F. ....	249
-, -, voir SOMESAN A.-A. ....	329
-, -, voir SOMESAN A.-A. ....	781
VLAȘA M., voir ADĂSCĂLIȚEI F. ....	249

## W

WONGSO H., voir AZZAHRA A. N. K. ....	679
---------------------------------------	-----

## Y

YOUSRA M., ALLAOUA K., SOFIANE I., ZAHIA K., One-pot and efficient synthesis of some new bis(1,5-diaryl-1,5-diketones) via Claisen Schmidt condensation, .....	119
--	-----

## Z

ZAGREAN-TUZA C., voir COSPRUNDAN A. M. ....	313
-, -, LEHENE M., SONICA A., SILAGHI-DUMITRESCU R., Bioorganometallic chemistry and super-reduced biological metal centers .....	769
ZAHIA K., voir YOUSRA M. ....	119