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Work: Faculty of Metallurgy and Technology, University of Montenegro Cetinjski put, 81000, Podgorica, Crna Gora, 81100 Podgorica (Montenegro)

WORK EXPERIENCE

Docent

Faculty of Metallurgy and Technology, University of Montenegro [16/11/2020 – Current]

City: Podgorica

Teaching in the following subjects:

- General and inorganic chemistry (Faculty of Science, study program Biology)
- Ecotoxicology (Faculty of Metallurgy and Technology in Podgorica, study program Environmental Protection)
- Medical biochemistry and chemistry (Faculty of Medicine, Podgorica, part of the course)
- Chemistry (Faculty of Medicine, study program Dentistry)
- Chemistry of natural organic compounds (Faculty of Metallurgy and Technology, study program Chemical Technology, part of the course)
- Coordination compounds-selected chapters (Faculty of Metallurgy and Technology in Podgorica)
- Ecotoxicology (Biotechnical Faculty Podgorica, Food Safety)

Teaching assistant

Faculty of Metallurgy and Technology, University of Montenegro [01/09/2011 – 16/11/2020]

City: Podgorica | Country: Montenegro

Chemistry teacher secondary school

High school "Stojan Cerović" [01/10/2010 – 01/06/2011]

City: Nikšić | Country: Montenegro

EDUCATION AND TRAINING

PhD, Doctor of science - chemistry

Faculty of Natural and Mathematical sciences [27/12/2016]

City: Kragujevac | Country: Serbia | Website: <http://chem.pmf.kg.ac.rs/> | Thesis: Synthesis, characterization and clarify the mechanism of substitution reactions of transition metal complexes of some ions

4th Training School 'Mechanochemical synthesis and kinetics'

COST action: CA18112 - Mechanochemistry for Sustainable Industry (Mech@SustInd) [11/06/2022 – 18/06/2022]

City: Cagliari, Sardinia | Country: Italy | Website: <https://www.cost.eu/actions/CA18112/>

PUBLICATIONS

[2020]

National patent

Pyrazole derivative and its cobalt complexes for the control of fungi *Phomopsis viticola*, SACC, Bioextra, Pz, Crnogorski glasnik intelektualne svojine here the description...

(11)03496,(51)A01N 3/00, (21)P-2019-204

[2014]

M. E. Karadžić, Z. Jaćimović, D. Djurović, T. Vasiljević, M. Kosović: Determination of Pesticides and Heavy Metals in Home-made and Commercial Fruit Juices in the Montenegro Area

Journal of Environmental Protection and Ecology(JEPE),Vol.15. No1(93-100),ISSN/ISBN 1311-5065

[2015]

Ž. K. Jaćimović, M. Kosović, S. B. Novaković, G. Giester, A. Radović: Synthesis and crystal structure of Cu(II) and Co(II) complexes with 1,3-dimethyl-pyrazole-5-carboxylic acid ligand

Journal of the Serbian Chemical Society 2015 Volume 80, Issue 7(867-875),ISSN/ISBN 0352-5139

[2015]

M. Kosović, Ž. Jaćimović, Ž. D. Bugarčić, B. Petrović: Kinetics and mechanism of the substitution reactions of some monofunctional Pd(II) complexes with different nitrogen-donor heterocycles

Journal of Coordination Chemistry Volume 68, 2015 - Issue 17-18 (3003-3012),ISSN:0095-8972

[2015]

D. Vojta, A. Višnjevac, Z. Leka, M. Kosović, M. Vazdar: Temperature-induced release of crystal water in the Co, Mo and Pt complexes of N,N-diacetatedithiocarbamate. FTIR spectroscopy and quantum chemical study

Journal of Molecular Structure 1103(245-253), ISSN: 0022-2860

[2016]

Z. Leka, D. Vojta, M. Kosović, N. Latinović, M. Đaković, A. Višnjevac: Syntheses, structures and antifungal activities of novel Co, Mo and Pt complexes with triammonium N,N-diacetatedithiocarbamate

Polyhedron, Vol 80, ISSN/ISBN 0277-5387

[2016]

M. Kosović, Ž. Jaćimović, Ž. Bugarčić, B. Petrović: Kinetics and mechanism of the substitution reactions of some bifunctional palladium(II) complexes with different nitrogen-donor heterocycles

Transition Metal Chemistry, 41(2, 161-168), ISSN 0340-4285

[2016]

M. Kosović, S. Jovanović, G. A. Bogdanović, G. Giester, Ž. Jaćimović, Ž. D. Bugarčić, B. Petrović: Kinetics and mechanism of the substitution reactions of some monofunctional Pt(II) complexes with heterocyclic nitrogen-donor molecules. Crystal structure of [Pt(bpma)(pzBr)]Cl₂·2H₂O complex

Journal of Coordination Chemistry, ISSN/ISBN 0095-8972

[2017]

Ž. Jaćimović, G. Giester, M. Kosović, G.A. Bogdanović, S. Novaković, V. Leovac, N. Latinović, B. Hollo, K. Szecsenyi: Pyrazole-type complexes with Ni(II) and Cu(II): Solvent exchange reactions in coordination compounds

Journal of Thermal Analysis and Calorimetry,Vol 127,2, 1388-6150(print version) 1588-2926(online)

[2017]

V. Kastratović, Ž. Jaćimović, M. Bigović, M. Kosović, D. Đurović, S. Krivokapić: Seasonal patterns of Cu in a system of sediment-water-macrophytes; Fresenius Environmental Bulletin

Fresenius Environmental Bulletin, Vol 26-(2, 1247-1253), ISSN 1018-4619

[2017]

D. Jaćimović, M. Kosović, D. Šuković, M. Pekić, D. Radulović, Ž. Jaćimović: Ecological entrepreneurship-olive production potential in Montenegro; Fresenius Environmental Bulletin

[2017]

[Željko K. Jaćimović, Milica Kosović, Sladjana B. Novaković, Goran A. Bogdanović, Gerald Giester and Vlatko Kastratović: Crystal structure of 4-bromo-2-\(1H-pyrazol-3-yl\)phenol, C₉H₇BrN₂O](#)

Z. Kristallogr. NCS, 232(3, 507-509), online ISSN: 2197-4578, print ISSN:1433-7266

[2017]

[Ž. Jaćimović, M. Kosović, G. Bogdanović, S. Novaković, G. Giester and M. Bigović "The crystal structure of ethyl 1-\(4-nitrophenyl\)-5- trifluoromethyl\)-1H-pyrazole-4-carboxylate, C₁₃H₁₀F₃N₃O₄](#)

Z. Kristallogr. NCS 2017, 232 (4), 651-653, online ISSN: 2197-4578, print ISSN:1433-7266

[2018]

[Ž. Jaćimović, M. Kosović, V. Kastratović, B. Holló, K. Mészáros Szécsényi, I. Miklós Szilágyi, N. Latinović, Lj. Vojinović-Ješić, M. Rodić: Synthesis and Characterization of Copper, Nickel, Cobalt, Zinc complexes with 4-nitro-3-pyrazolecarboxylic acid ligand](#)

Journal of Thermal Analysis and Calorimetry volume 133 (813–821), ISSN 1388-6150

[2018]

[D. Stešević, Ž. Jaćimović, Z. Šatović, A. Šapčanin, G. Jančan, M. Kosović, Milica; B. Damjanović-Vratnica: Chemical characterization of wild growing Origanum vulgare populations in Montenegro](#)

Natural product communications, 13, 10(1357-1362), Online ISSN: 1555-9475 ISSN: 1934-578X

[V. Kastratović, M. Bigović, Ž. Jaćimović, M. Kosović, D. Đurović, S. Krivokapić: Levels and distribution of cobalt and nickel in the aquatic macrophytes found in Skadar Lake, Montenegro](#)

Environmental Science and Pollution Research, 25, (26823–26830), ISSN 0944-1344

[2019]

[Ž. Jaćimović, S. Novaković, G. Bogdanović, G. Giester, M. Kosović, E. Libowitzky: First crystal structures of metal complexes with a 4-nitropyrazole-3-carboxylic acid ligand and the third crystal form of the ligand](#)

Acta Cryst., C75 (255-264), ISSN 2053-2296

[2020]

[M. Bigović, M. Roganović, I. Milašević, D. Đurović, V. Slavić, M. Kosović, M. Vlahović, S. Perović, A. Perović, V. Kastratović, Z. Potpara, M. Martinović, S. Pantović: Physico-chemical characterization of Igalo bay peloid \(Montenegro\) and assessment of the pollution of potentially toxic elements in the sampling area](#)

Farmacia, Vol.68, 3, page560-571, ISSN: 0014-8237

[2020]

[M. Kosović, S. Novaković, Ž. Jaćimović, N. Latinović, N. Marković, T. Đorđević, E. Libowitzky, G. Giester: Synthesis, crystal structure and biological activity of copper \(II\) complex with 4-nitro-3-pyrazolecarboxylic ligand](#)

Journal of the Serbian Chemical Society 2020 Volume 85, Issue 7 (885-895), ISSN 1820-7421

[2020]

[Ž. Jaćimović, S. Novaković, G. Bogdanović, M. Kosović, E. Libowitzky, G. Giester : Crystal structure of ethyl 3-\(trifluoromethyl\)-1H-pyrazole-4-carboxylate, C₇H₇F₃N₂O₂](#)

Zeitschrift für Kristallographie, 235(5, 1189-1190). Print ISSN: 1433-7266 Online ISSN: 2197-4578

[2020]

[N. Latinović, Ž. Jaćimović, J. Latinović, M. Kosović, M. Vlahović: Study on fungicidal activity of newly synthesized complex compounds of Cu \(II\), Zn \(II\) and Ni \(II\) with pyrazole-derived ligands against the phytopathogenic fungus Phomopsis viticola Sacc. In laboratory conditions](#)

[2021]

Ž. Jaćimović, Z. Tomić, G. Giester, E. Libowitzky, A. Ajanović, M. Kosović: The crystal structure of bis[4-bromo-2-(1H-pyrazol-3-yl) phenolato- κ 2N,O] copper(II), C₁₈H₁₂Br₂CuN₄O₂

Zeitschrift für Kristallographie - New Crystal Structures, vol. 236, no. 5 (1003-1005)

[2021]

M. Ognjanović, D. Stanković, Ž. Jaćimović, M. Kosović Perutović, B. Dojčinović, B. Antić: The effect of surface-modifier of magnetite nanoparticles on electrochemical detection of dopamine and heating efficiency in magnetic hyperthermia

Journal of Alloys and Compounds, Vol 884, 161075, ISSN: 0925-8388

[2022]

M. Ognjanović, D. Stanković, Ž. Jaćimović, M. Kosović Perutović, J. F.M.L. Mariano, S. Krehula, S. Musić, B. Antić: Comstruction of Sensor for Submicromolar Detection of Riboflavin by Surface Modification of SPCE with Thermal Degradation Products of Nickel Acetate Tetrahydrate

Electroanalysis, 2022, 34, 1-11

[2022]

M. Zaimović, M. Kosović Perutović, G. Jelušić, A. Radović, Ž. Jaćimović: The inhibitory effect of some pyrazole ligands and their Cu(II) complexes on the growth of Escherichia coli, Klebsiella-Enterobacter spp., and Staphylococcus aureus

Frontiers in Pharmacology, 13:921157

[2023]

M. Ognjanović, Ž. Jaćimović, M. Kosović Perutović, I. Besu Žižak, T. Stanojković, Ž. Žižak, B. Dojčinović, D. Stanković, B. Antić: Self-Heating Flower-like Nanoconstructs with Limited Incorporation of Yttrium in Maghemite: Effect of Chemical Composition on Heating Efficiency, Cytotoxicity and Genotoxicity

Nanomaterials, 13: 870

CONFERENCES AND SEMINARS

[2013] Biograd, Croatia

M. Kosović, A. Višnjevac, D. Vojta, M. Đaković, Z. Leka: Cobalt complexes with biologically active dithiocarbamate derivative

Oral presentations at international scientific conferences: 22nd Croatian Slovenian Crystallographic Meeting, Book of abstracts, page 13

[24/09/2012 – 28/09/2012] Belgrade, Serbia

S.Trifunović, D. Bulatović, M. Kosović, Z. Leka: Complex of iron(II) with potassium 3-dithiocarboxy-3-aza-5-aminopentanoate dihydrate

11th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Proceedings, Volume II, pp 689-691, ISBN 978-86-82475-28-6

[17/10/2012 – 20/10/2012] Bar, Montenegro

Jaćimović, V. Leovac, N. Latinović, M. Kosović, I. Đerđ, A. Radović: The influence of newly synthesised Cu(II) complexes based on pyrazole derivatives on the inhibition of Phomopsis viticola Sacc. (Sacc.) under laboratory conditions

Second International Symposium on Corrosion and protection of Materials and Environment, Book of proceedings Bar, 2012, page 319-326

[17/10/2012 – 20/10/2012] Bar, Montenegro,

I. Bošković, M.Kosović, Ž. Jaćimović, N.Latinović: The influence of newly synthesised Zn (II) complexes based on pyrazole derivatives on the inhibition of *Phomopsis viticola* Sacc. (Sacc.) under laboratory conditions

Second International Symposium on Corrosion and protection of Materials and Environment, Book of proceedings Bar, 2012, page 327-333.

[17/09/2013 – 20/09/2013] Tara, Serbia

I. Bošković, Ž. Jaćimović, M. Kosović. N. Latinović: The influence of newly synthesised Ni(II) complexes based on pyrazole derivatives on the inhibition *B. Dothidea* of under laboratory conditions

XV Yucor, Book of abstracts, page 188-193, ISBN 978-86-82343-19-6

[17/09/2013 – 20/09/2013] Tara, Serbia

Z. Leka, M. Kosović, J. Latinović, N. Latinović: Inhibicioni efekat sintetisanog ditiokarbamato liganda , (NH₄)₃(idadtc), na fitopatogenu gljivu *Botryosphaeria dothidea*

XV Yucor, Book of abstracts, page 260-263, ISBN 978-86-82343-19-6

[06/2014] Skiathos Island, Greece

Ž.Jaćimović, A.Radović, M.Kosović, N.Latinović: Influence of newly synthesized Cu(II) complexes on the pyrazole based derivatives on inhibition of *B. Dothidea*

12th International conference protection and restoration of the environment, Proceedings, page 719-714, ISBN 978-960-88490-6-8

[06/2014] Skiathos Island, Greece

V.Kastratović, Ž. Jaćimović, M. Bigović, M.Kosović, D.Đurović, S. Krivokapić: Speciation of copper in lake sediments and bioaccumulation of macrophytes Skadar Lake, Montenegro

12th International conference protection and restoration of the environment, Proceedings, page 725-730, ISBN 978-960-88490-6-8

[03/07/2016 – 08/07/2016] Mykonos island, Greece

Ž. Jaćimović, I.Bošković, A. Radović, M. Kosović, N. Latinovic: Influence of newly synthesized Cu(II) complexes on the pyrazole based derivatives on inhibition of *Phomopsis viticola* (Sacc.) Sacc

13th International Conference on Protection and Restoration of the Environment, Book of abstract, page 154, Proceedings, page 471-476, ISBN 978-960-6865-94-7

[03/07/2016 – 08/07/2016] Mykonos island, Greece

V. Kastratović, M. Bigović, Ž. Jaćimović, M.Kosović, D.Đurović, S. Krivokapić: Bioaccumulation of cobalt and nickel in macrophytes from Skadar Lake

13th International Conference on Protection and Restoration of the Environment, Book of abstract, page 150, Proceedings page 443-448, ISBN 978-960-6865-94-7

[05/12/2012 – 08/12/2012] Moscow, Russia

Ž. Jaćimović, M. Kosović, N. Latinović, V. Leovac, Z. Tomić: The influence of some pyrazole derivatives and its newly synthesised transitional metal complexes on the inhibition of *Phomopsis viticola* Sacc. (sacc.) under laboratory conditions

13th European Meeting on Environmental Chemistry, EMEC 13, p 113, ISBN 978-5-89513-295-1

[06/2013] Belgrade, Serbia

Ž.Jačimović, M. Kosović, A. Radović: Structural characterization of tautomers of 3-Amino-5-hydroxypyrazole
8th International Conference of the Chemical Societies of the South-East European Countries, Book of abstracts,
page 60, ISBN 978-86-7132-053-5

[06/2013] Belgrade, Serbia

D.Vojta, M. Kosović, M. Đaković, A. Višnjevac, Z. Leka: Preparation and spectral characterization of Pt(II) and Pt(IV) dithiocarbamate complexes

8th International Conference of the Chemical Societies of the South-East European Countries, Book of abstracts,
page 31, ISBN 978-86-7132-053-5

[2013]

A. Višnjevac, D. Vojta, M. Kosović, M.Đaković and Z. Leka: In situ Co(II) oxidation upon coordination to the dithiocarbamate derivative

8th European Crystallographic Meeting, ECM 28, UK, Acta Cryst (2013). A69, page s633

[06/2014] Serbia

M.Kosović, B.Petrović, Ž.Jačimović, Ž.D.Bugarčić: Sintaza i karakterizacija novih kompleksa Pt(II) sa derivatima pirazola

51st Meeting of the Serbian Chemical Society and 2nd Conference of the Young Chemists of Serbia, Book of abstracts, page 7, ISBN 978-86-7132-054-2

[06/2014] Skiathos Island, Greece

Z.Leka, M.Kosović, A.Višnjevac, D.Vojta, N.Latinović: Inhibition effect of the platinum and palladium dithiocarbamate complexes on phytopathogenic fungus B. Dothidea

International conference protection and restoration of the environment XII,
Book of abstracts, page 173, ISBN 978-960-88490-51

[10/06/2016 – 11/06/2016] Kragujevac, Serbia

Z. Leka, M.Kosović, N.Latinović, M.Vrbica: Fungicidne aktivnosti Ni(II) i Cu(II)-dth kompleksa na fitopatogenu gljivu Phomopsis viticola

53rd Meeting of the Serbian Chemical Society, Book of Abstract,p:63,
ISBN 978-86-7132-061-0

[04/2016] Skopje, Macedonia

D. Jacimovic, M. Kosovic, D. Sukovic, M. Pekic, Z. Jacimovic: Ecological entrepreneurship-olive production potentials in Montenegro

International conference GREDIT Book of abstracts, page 209, ISBN 978-608-4624-22-6

[09/2016] Seville, Spain

Ž. Jačimović, M. Kosović, G. Giester, Z.Tomić, V.Kastratović: Influence of different axial ligand and solvent on the aggregation of [Cu(H2dcp)2(L)2] molecules (L=H2O, CH3OH)

6th European Chemistry Congress, EuCheMS, Book of abstract 1280.

[06/2017] Budapest, Hungary

Ž. Jaćimović, M. Kosović, V. Kastratović, Berta Barta Holló, V. Leovac, K. Mészáros Szécsényi: Synthesis and Characterization of Copper, Nickel, Cobalt, Zinc complexes with 4-nitro-3-pyrazolecarboxylic acid ligand
1st Journal of Thermal Analysis and Calorimetry Conference and 6th V4 Thermoanalytical Conference, book of abstract 131, ISBN 978-963-454-098-4

[2018] Constanta, Romania

N. Latinović, Ž. Jaćimović, J. Latinović, M. Kosović, M. Vlahović, V. Kastratović: The influence of newly synthesized transition metal complexes based on pyrazole derivatives on the inhibition B. Dothidea under laboratory conditions

International conference WATER 2018 book of abstract 61, ISBN 978-606-598-663-3

[2018] Constanta, Romania

Ž. Jaćimović, N. Latinović, J. Latinović, M. Kosović, M. Vlahović, V. Kastratović: The examination of potential fungicidal activity of Ethyl-3-(trifluoromethyl)-1H-pyrazole-4-carboxylate on fungus PvS

International conference WATER 2018, Book of abstract, page 62, ISBN 978-606-598-663-3

[10/2018] Sarajevo

M. Bigović, M. Roganović, I. Milašević, D. Đurović, V. Kastratović, V. Slavić, M. Kosović, et al.: Physico-Chemical Characterization of Igalo Bay Peloid (Republic of Montenegro) and Assessment of the Pollution in the Sampling Area

3rd International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Book of abstract, page 91, Print ISSN: 0367-4444, Online ISSN: 2232-7266

[10/2018] Sarajevo

N. Latinović, Ž. Jaćimović, M. Kosović, M. Vlahović, V. Kastratović, I. Bošković: Investigation of newly synthesized transition metal complexes based on pyrazole derivatives on the inhibition Phomopsis viticola Sacc. under laboratory conditions

3rd International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Book of abstract, page 36, Print ISSN: 0367-4444, Online ISSN: 2232-7266

[19/09/2018 – 22/09/2018] Ohrid, Macedonia

Ž. Jaćimović, N. Latinović, J. Latinović, M. Kosović, V. Kastratović, M. Vlahović, V. Grudić: The influence of some pyrazole derivatives and newly synthesized Cu(II), Ni(II) and Zn(II) complexes to the inhibition of Phomopsis viticola mycelium in vitro

25th Congress of Chemists and Technologists of Macedonia, Book of abstracts, page 118, ISBN 978-9989-760-16-7

[19/09/2018 – 22/09/2018] Ohrid, Macedonia

N. Latinović, Ž. Jaćimović, J. Latinović, M. Kosović, V. Kastratović, M. Bigović: The examination of potential fungicidal activity ethyl-3-(trifluoromethyl)-5-(trifluoromethyl)-1H-pyrazole-4-carboxylate on fungus B. dothidea under laboratory conditions

25th Congress of Chemists and Technologists of Macedonia, Book of abstracts, page 152, ISBN 978-9989-760-16-7

[05/2019] Targoviste, Romania

M. Bigović, V. Kastratović, S. Pantović, M. Roganović, I. Milašević, Lj. Ivanović, D. Đurović, V. Slavić, M. Kosović, M. Vlahović: Determination of fatty and amino acid in Igalo bay peloid (Montenegro)

9th International Conference of the Chemical Societies of the South-East European Countries, Book of abstract, ISBN 978-606-603-209-4

[05/2019] Targoviste, Romania

M. Vlahović, M. Kosović, Ž. Jaćimović: The examination of composition and physico-chemical properties of the peloid sediments from Sutomore (Montenegro)

9th International Conference of the Chemical Societies of the South-East European Countries, Book of abstract, ISBN 978-606-603-209-4

[07/06/2019 – 08/06/2019] Niš, Serbia

K. Vazdar, M. Vazdar, M. Bigović, A. Višnjevac, M. Kosović, Z. Leka: Optimization of the method of synthesis of ethylene-diamine monoacetic acid, H-EDMA

56th Meeting on the Serbian Chemical Society, Book of abstract, page 98, ISBN 978-86-7132-073-3

[02/12/2019 – 05/12/2019] Lodz, Poland

M. Rakočević, D. Đurović, M. Kosović, Ž. Jaćimović: Determination of Ochratoxin A And Heavy Metals in Selected Wine Sample of Small Commercial Producers From Montenegro

EMEC, Book of abstract, page 117

[02/12/2019 – 05/12/2019] Lodz, Poland

Ž. Jaćimović, N. Latinović, M. Kosović Perutović, J. Latinović: Fungicidal Activity of Cu(II) Complex with 4-bromo-2-(1H-pyrazol-3-yl)phenol as Ligand on Phytopathogenic Fungus Phomopsis Viticola

EMEC, Book of abstract, page 118

[20/07/2021 – 24/07/2021] Thessaloniki, Greece

M. Kosović Perutović, P. Zekić, Ž. Četković, D. Jaćimović, Ž. Jaćimović M. Bigović: Milk from Montenegro farms: Monitoring and quality of raw milk and dairy products

Proceedings of the Eighth International Conference on Environmental Management, Engineering, Planning & Economics, 495-503 ISBN: 978-618-5494-53-7

[20/07/2021 – 24/07/2021] Thessaloniki, Greece

M. Bigović, M. Kosović Perutović, L. Mehović, D. Šuković, and Ž. Jaćimović: Determination of metal content, PAHs and organotin compounds in Sutomore peloid and assesment of the state of the environment

Proceedings of the Eighth International Conference on Environmental Management, Engineering, Planning & Economics, 373, ISBN: 978-618-5494-53-7

[12/2021] Novi Sad, Serbia

Ž. Jaćimović, M. Kosović Perutović, M. Rakočević, V. Kovačević, D. Đurović: The determination of heavy metals and ochratoxin A in wine products in Montenegro

21st European Meeting on Environmental Chemistry, EMEC21, Book of abstract, page 172, ISBN: 978-89-7132-078-8

[12/2021] Novi Sad, Serbia

Ž. Jaćimović, N. Latinović, J. Latinović, M. Kosović Perutović: Pyrazole derivative L and its cobalt complex for the control of fungi Phomopsis viticola sacc. patent number 03496

21st European Meeting on Environmental Chemistry, EMEC 21, Book of abstract, page 173, ISBN: 978-89-7132-078-8

[12/2021] Novi Sad, Serbia

M. Bigović, S. Pantović, M. Roganović, M. Kosović Perutović, Ž. Jaćimović: Comparison of heavy metal content in peloids from Igalo and Sutomore (montenegro) and assesment of the environment state

21st European Meeting on Environmental Chemistry, EMEC 21, Book of abstract, page 127, ISBN: 978-89-7132-078-8

[06/2022] Sarajevo, Bosnia and Herzegovina

M. Kosović Perutović, L. Turusković, N. Latinović, M. Šahman Zaimović, Ž. Jaćimović: Influence of some pyrazole derivatives on inhibition of Botryosphaeria dothidea under laboratory conditions

4th International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Book of abstract, page 139, Print ISSN: 0367-4444, Online ISSN: 2232-7266

[06/2022] Sarajevo, Bosnia and Herzegovina

M. Šahman Zaimović, M. Kosović Perutović, G. Jelušić, N. Latinović, Ž. Jaćimović: The inhibitory effect of some pyrazole ligands and their Cu(II) complexes on the growth of Escherichia coli, Klebsiella-enterobacter spp. and Staphylococcus aureus

4th International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Book of abstract, page 140, Print ISSN: 0367-4444, Online ISSN: 2232-7266

[06/2022] Sarajevo, Bosnia and Herzegovina

M. Bigović, M. Kaluđerović, M. Kosović Perutović, M. Vlahović Stanković, Ž. Jaćimović: Synthesis of complex salts of Schiff bases with salts of some transition metals and their characterization

4th International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Book of abstract, page 162, Print ISSN: 0367-4444, Online ISSN: 2232-7266

[28/08/2022 – 01/09/2022] Lisbon

Ž. Jaćimović, M. Ognjanović, M. Kosović Perutović, B. Dojčinović, D. Stanković and B. Antić: Ternary flower-structured nanoferrites with polyvalent cations for potential applications in electrochemical sensors and magnetic hyperthermia

8th EuChemS Chemistry Congress (ECC8), Book of abstract, page 899

[28/09/2023 – 29/09/2023] Kragujevac, Serbia

M. Antonijević, M. Kosović Perutović, Z. Leka, Z. Marković: Exploring the Pharmacokinetic Properties of (NH₄)₄[Fe(idadtc)₂]: In Silico Biological screening and ADMET analysis

2nd International Conference on Chemo and Bioinformatics ICCBIKG_2023, Book of proceedings, p. 213-216
DOI: 10.46793/ICCBI23.213A

[28/09/2023 – 29/09/2023] Kragujevac, Serbia

M. Kosović Perutović, Z. Leka, M. Bigović J. Mišurović, V. Medojević: Mechanochemistry: optimization of the synthesis of dithiocarbamate derivatives

2nd International Conference on Chemo and Bioinformatics ICCBIKG_2023, Book of proceedings, p. 249-252
DOI: 10.46793/ICCBI23.213A

[03/12/2023 – 06/12/2023] Budva, Montenegro

M. Bigović, M. Kaluđerović, J. Jovanović, M. Kosović Perutović, Ž. Jaćimović: Comparing the Content of Heavy Metals in Peloids from Sutomore and Igalo (Montenegro)

23rd European Meeting on Environmental Chemistry(EMEC23), Book of abstract, page 24,
ISBN 978-9940-9059-2-7

[03/12/2023 – 06/12/2023] Budva, Montenegro

A. Radović, Ž. Jaćimović, M. Kosović Perutović, N. Latinović, D. Kočović: Biological effectiveness of newly synthesized [CuL(H₂O)] on fungus Colletotrichum acutatum

23rd European Meeting on Environmental Chemistry(EMEC23), Book of abstract, page 101,
ISBN 978-9940-9059-2-7

[02/09/2024 – 06/09/2024] Herceg Novi, Montenegro

S. Kovačević, M. Kosović Perutović, M. Ristić, J. Mišurović, Z. Leka: Mechanochemical Synthesis of Ammonium-Iminodiacetato-Dithiocarbamate: An Environmentally Friendly Approach

25th JUBILEE ANNUAL CONFERENCE ON MATERIAL SCIENCE YUCOMAT 2024, Book of abstract, page 53,
<https://doi.org/10.5281/zenodo.13303138>

[02/09/2024 – 06/09/2024] Herceg Novi, Montenegro

N. Jovović, Ž. Jaćimović, M. Kosović Perutović: Sustainable synthesis of Ni(II) complex with 3,5-pyrazoledicarboxylic acid as ligand via mechanochemistry

25th JUBILEE ANNUAL CONFERENCE ON MATERIAL SCIENCE YUCOMAT 2024, Book of abstract, page 98,
<https://doi.org/10.5281/zenodo.13303138>

[25/09/2024 – 28/09/2024] Ohrid, N. Macedonia

N. Jovović, Ž. Jaćimović and M. Kosović Perutović: Solvent-Free Synthesis of Cu(II) Complex with 3,5-Pyrazoledicarboxylic Acid as Ligand

27th Congress of SCTM, Book of abstract, page 87
ISBN 978-9989-760-20-4

[25/09/2024 – 28/09/2024] Ohrid, N. Macedonia

M. Kosović Perutović, S. Kovačević, M. Ristić, J. Mišurović and Z. Leka: Mechanochemical Synthesis of Cu(II) dithiocarbamate complex:Advantages Over Traditional Solution-Based Method

27th Congress of SCTM, Book of abstract, page 105
ISBN 978-9989-760-20-4

[25/09/2024 – 28/09/2024] Ohrid, N. Macedonia

S. Kovačević, M. Ristić, J. Mišurović, Z. Leka and M. Kosović Perutović: Efficient Solvent-Free Synthesis of Ni(II)-Dithiocarbamate Complexes using Mechanochemistry

27th Congress of SCTM, Book of abstract, page 106
ISBN 978-9989-760-20-4

[25/09/2024 – 28/09/2024] Ohrid, N. Macedonia

Z. Leka, K. Sekulić, M. Kosović Perutović and N. Latinović: The Influence of Synthesized Ni(II)-Dithiocarbamate Complex on the Phytopathogenic Fungus Botrytis Cinerea

27th Congress of SCTM, Book of abstract, page 151
ISBN 978-9989-760-20-4

[25/09/2024 – 28/09/2024] Ohrid, N. Macedonia

K. Petković, M. Kosović Perutović, Z. Leka and N. Latinović: Fungicidal Activity of The Zn(II) Complexes with Ethylenediamine and Dithiocarbamate Ligands on Phytopathogenic Fungus Phomopsis Viticola

27th Congress of SCTM, Book of abstract, page 156
ISBN 978-9989-760-20-4

[25/09/2024 – 28/09/2024] Ohrid, N. Macedonia

M. S. Ristić, M. B. Djukić and M. Kosović Perutović: DNA Interactions of Palladium (II) Complex Containing a Thioamide-Type Ligand

27th Congress of SCTM, Book of abstract, page 157

ISBN 978-9989-760-20-4

[25/09/2024 – 28/09/2024] Ohrid, N. Macedonia

J. Mišurović, S. Kovačević, K. Petković, M. Kosović Perutović and Z. Leka: The antioxidant capacity of ammoniumiminodiacetatedithiocarbamate and its transition metal complexes

27th Congress of SCTM, Book of abstract, page 159

ISBN 978-9989-760-20-4

PROJECTS

[2012 – 2015]

„Synthesis, physico-chemical and biological characterization of new complex compounds based on pyrazole and its derivatives, biological activity and potential application in pharmacy, agriculture and medicine”, National Scientific Research Project

[2012 – 2014]

“Synthesis of new dithiocarbamate compounds and their antimicrobial and toxic properties testing”, National Scientific Research Project

[2018 – 2020]

Innovation project: „Study on biological efficacy of newly synthesized compounds and plant extract to the most important diseases of grapevine in Montenegro- BIOEXTRA” supported by Ministry of Science of Montenegro

[2019 – 2022]

Center of Excellence for Biomedical Research - CEBIMER, Head: Dr. Vjeroslava Slavić, Head: Institute of Physical Medicine, Rehabilitation and Rheumatology “Dr. Simo Milošević” Igalo

[2012 – 2014]

“Synthesis, physico-chemical and biological characterization of new transition metal complexes with pyrazole derivatives and their potential application”, Institut für Mineralogie und Kristallographie, Univ. Wien

[2012 – 2013]

“Use of natural and synthetic zeolites for the removal of heavy metals from wastewaters and drinking water”, Faculty of Metallurgy and Technology, University of Montenegro and Chemistry Institute of Ljubljana, Hajdrihova 19, 1000 Ljubljana

[2013 – 2014]

Fungicidal activity of new complexes of dithiocarbamate ligands with transition metals ", Bilateral project funded by MN CG and MZS HR (Z. Leka, A. Višnjevac

[2017 – 2018]

“Synthesis, physico-chemical and structural research of new potentially biologically active schiff dithiocarbamate bases". Faculty of Metallurgy and Technology, University of Montenegro and Ruđer Bošković Institute, Zagreb, Croatia

[2017 – 2018]

“Synthesis, physico-chemical characterization of new complex compounds of transition metals with pyrazole derivatives and their potential application Faculty of Metallurgy and Technology, University of Montenegro and University Novi Sad

[2017 – 2018]

"The synthesis, characterization and biological aspects of new dithiocarbamate complexes of certain transition metals", Faculty of Metallurgy and Technology, University of Montenegro and University of Kragujevac

[2020 – 2023]

"Development of test strips based on electrochemical (bio)sensors for determining the concentration of disease biomarker for the purpose of early diagnostics and prevention", Eureka project

ORGANISATIONAL SKILLS

EMEC14, EMEC23

Co-chair of organising committee of The European Meeting on Environmental Chemistry (EMEC). The conference organised annually on behalf of the Association of Chemistry and the Environment (ACE).

COMMUNICATION AND INTERPERSONAL SKILLS

■ **Excellent communication skills gained during many years of work with associates and students**

COST ACTIONS

[2018 – 2023]

CA18112 - Mechanochemistry for Sustainable Industry (Mech@SustInd)

The present COST Action focuses on the great promise, and unexpressed potential, shown by Mechanochemistry within the contexts of chemical, pharmaceutical industries, and process engineering.