

PERSONAL INFORMATION

Aleksandar Višnjevac



 Institut Ruđer Bošković, Bijenička 54, Zagreb (Croatia)

 +385 1 4571203  +385 91 5000112

 aleksandar.visnjevac@irb.hr

 www.irb.hr/users/visnevac

WORK EXPERIENCE

15 Dec 2008–Present

Senior research associate

Institut Ruđer Bošković, Zagreb (Croatia)

11 Nov 2003–15 Dec 2008

Research Associate

Institut Ruđer Bošković, Zagreb (Croatia)

22 Feb 1995–11 Nov 2003

Assistant

Institut Ruđer Bošković, Zagreb (Croatia)

EDUCATION AND TRAINING

1 Oct 2005–31 Dec 2007

PostDoc

EQF level 8

Paris Descartes University, Paris (France)

15 Dec 1998–8 Nov 2001

PhD in natural sciences (chemistry)

EQF level 8

University of Zagreb, Faculty of Sciences, Zagreb (Croatia)

22 Feb 1995–15 Dec 1998

MSc in natural sciences (chemistry)

EQF level 7

University of Zagreb, Faculty of Sciences, Zagreb (Croatia)

1 Oct 1988–22 Dec 1994

BSc in chemistry

EQF level 7

University of Zagreb, Faculty of Sciences, Zagreb (Croatia)

PERSONAL SKILLS

Mother tongue(s)

Croatian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C1	C1
French	C1	C2	C1	C1	B2
Italian	B1	B2	A2	B1	B1
German	A2	B2	A2	A2	B1
Spanish	B1	B1	A1	A2	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills

Participant in the EU funded (FP7) project "ESCoNet Trainers" (P.I. prof. Steve Miller, University College London) in the field of science communication and outreach, first as a trainee (2004 - 2007) and then as a trainer (2007 to 2010). As a trainer in science communication and outreach I delivered dozens of presentations with different topics, at the series of ESCoNet workshops:

- Who are you communicating with and why (Dublin, Ireland, 10.-12.05.2007),
- Public science on the web (Dubrovnik, Croatia, 13.-15.09.2007; Sofia, Bulgaria, 15.-18.02.2008),
- Science and Society in Dialogue: How to communicate Scientific Achievements (Sofia, Bulgaria, 15.-18.02.2008),
- Science and culture (Trieste, Italy, 14.-18.04. 2008),
- Writing for the media (Dublin, Ireland, 25.-27.05.2008; Malmoe, Sweden, 28.06.2008; Dubrovnik, Croatia, 24.-31.03.2009; Velingrad, Bulgaria, 10-15.09.2009),
- Communicating science to the policy makers and Science in dialogue (Velingrad, Bulgaria, 10-15.09.2009).

Series of interviews on Croatian national radio and television dedicated to crystallography, Column "Science in context" (Znanost u kontekstu) in the Croatian monthly business magazin "CroatiaBiz",

Series of popular scientific articles in the leading Croatian daily and weekly newspapers,

Teaching experience at the university level (see below),

International research team memberships (see below),

Scientific events organization and management (chair, co-chair or member of organization/scientific committees of over 30 international scientific conferences, workshops and school, see below).

Organisational / managerial skills

Organisational skills gained as chair/co-chair of the organizing committees of over 30 international scientific events, among which the duty of the chair of the Organizing committee of the 29th European crystallographic meeting in Rovinj, Croatia (2015, over 1000 registered participants) and co-chair of the Organizing committee of the 3rd European crystallography school in Bol, Croatia (2016)

Managerial skills gained through the presidency of the Croatian Association of Crystallographers (2012 to present day), a professional association supporting crystallography and crystallographic research, education, communication and outreach at the domestic and international level.

Organizational/managerial skills gained as a project leader of 10 Croatian and international research and educational projects (see below).

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Independent user	Independent user

Digital skills - Self-assessment grid

good command of MS office suite (word, excel, powepoint)

Driving licence

AM, B, C1

ADDITIONAL INFORMATION

Honours and awards

- Annual award of the Director of the Ruđer Bošković Institute for an extraordinary scientific achievement in 2010, Dec. 21st, 2010
- National foundation for science and technological development of the Republic of Croatia (NZZ), Grant for the one-year long postdoc abroad, Nov. 14th, 2006

- Government of the French Republic, Grant for a nine-months long postdoc research in France, June 12th, 2005

Summer schools & courses

- ESCONet Science Communication workshop - Training of trainers, Dolenjske Toplice, Slovenia, 23.-27.06.2006
- ISCSS - International Science Communications Summer School, Dubrovnik, Croatia, 18.06.-24.06.2004
- DU 2003 NMR - The Fourth International Dubrovnik NMR Course and Conference, Dubrovnik, Croatia, 27.06.-1.07.2003
- L'Ecole Thématique "Analyse structurale par diffraction des Rayons X, structures absolues, macles, incommensurables", Toulouse, France, 23.-27.09.2002
- School on symmetry of crystals, Kraków, Poland, 21. – 25. 08. 2001
- Workshop della cristallografia sperimentale, Sinchrotron Elettra, Trieste, Italy, 24.–26. 10. 2000
- Ninth ACA Summer Course in Crystallography, University of Georgia, Athens, GA, USA, 7.-21. 07. 2000
- Cambridge Structural Database Workshop, Lodz, Poland, 26.-27. 06. 2000
- 7th BCA/CCG Intensive Course in X-ray Structure Analysis, Trevelyan College, Durham, UK, 7.-15.04. 1999

Invited and plenary lectures

- Aleksandar Višnjevac**, Flavio Fanelli, Toni Lijić, Solène Collin, Olivia Reinaud: *Resorcinarene-based biomimetic complexes; in-situ host-guest adduct formation and crystallization of the novel water-soluble species*, 6th Tunisian Crystallographic Meeting and International Conference, Djerba, Tunisia, Nov. 1st - 5th, 2017 (plenary)
- Aleksandar Višnjevac**: *Biomimetic modelling of the (mononuclear) metalloenzyme active site*, XII international symposium on the actual problems of chemistry, biology and technology of natural compounds, Tashkent, Uzbekistan, Sep. 7th - 8th, 2017 (plenary)
- Aleksandar Višnjevac**: *Biomimetic modelling of the (mononuclear) metalloenzyme active site*, Nazarbayev University, Astana, Kazakhstan, Aug. 28th, 2017 (invited)
- Aleksandar Višnjevac**, Jérôme Gout, Olivia Bistri-Aslanoff, Olivia Reinaud: *Single crystal X-ray crystallography in the study of biomimetic resorcinarene-based supramolecular complexes*, 23rd Conference of the Serbian Crystallographic Society, Andrievlje, Serbia, June 9th -11th, 2016 (plenary)
- Aleksandar Višnjevac**: *Supramolecular biomimetic modelling of the tripodal mononuclear active site*, Fifth Tunisian Crystallographic Meeting (TCM5), Yasmine Hammamet, Tunisia, March 20th - 24th, 2016 (plenary)
- Aleksandar Višnjevac**, Jérôme Gout, Olivia Bistri-Aslanoff, Olivia Reinaud: *Mononuclear biomimetic resorcinarene-based copper(II) bowl complex – structure and chemical activity*, 23rd Congress and General Assembly of the IUCr, Montreal, Canada, Aug. 5th - 12th, 2014 (invited)
- Aleksandar Višnjevac**: *Biomimetic modelling in the study of biological macromolecules*, Faculty of Metallurgy, University of Montenegro, Pogorica, Montenegro, Dec. 14th, 2011 (invited)
- Aleksandar Višnjevac**: *Crystallography as a Method of Choice in Biomimetic Modelling of Metalloenzyme Active Sites*, 19th Slovenian-Croatian Crystallographic Meeting, Strunjan, Slovenia, June 16th -20th, 2010 (plenary)
- Aleksandar Višnjevac**, Marija Luić, Mladen Žinić, Biserka Žinić: *Conformational Chirality of Sulfonypyrimidine Derivatives*, 22nd European Crystallographic Meeting, Budapest, Hungary, Aug. 26th -31st, 2004 (invited)

Funded projects - project leader

- Croatian - French bilateral research project, **2019 - 2020**: *Development of novel crystallization protocols for the water-soluble biomimetic supramolecular calixarene- and resorcinarene-based metal complexes*, EUR 4.000 (project co-leader, French co-leader: prof. Olivia Reinaud)
- Foundation of the Croatian Academy of Science and Arts, **2017**, *Hot Topics in Contemporary Crystallography 2*, HRK 5.000, project leader
- Croatian - Montenegrin bilateral research project, **2017 - 2018**: *Synthesis, physico-chemical and structural studies of novel, potentially bioactive Schiff bases - derivatives of dithiocarbamates*, EUR 4.000, project co-leader (Montenegrin co-leader: prof. dr. sc. Zorica Leka)
- Foundation of the Croatian Academy of Science and Arts, **2016**, *3rd European Crystallography*

School, HRK 8.000, project leader

- Foundation of the Croatian Academy of Science and Arts, **2015**, *29th European Crystallographic Meeting*, HRK 10.000, project leader
- Foundation of the Croatian Academy of Science and Arts, **2014**, *Hot topics in Contemporary Crystallography*, HRK 6.000, project leader
- Croatian - Montenegrin bilateral research project, **2013 - 2014**: *Antifungal activity of novel dithiocarbamate complexes with transition metals*, EUR 4.000, project co-leader (Montenegrin co-leader: prof. dr. sc. Zorica Leka)
- Foundation of the Croatian Academy of Science and Arts, **2013**, *29th European Crystallographic Meeting*, HRK 10.000, project leader
- Foundation of the Croatian Academy of Science and Arts, **2012**, *29th European Crystallographic Meeting*, HRK 10.000, project leader
- Foundation of the Croatian Academy of Science and Arts, **2011**, *A biomimetic approach towards the design of the novel peptide deformylase inhibitor*, HRK 10.000, project leader
- Croatian - Montenegrin bilateral research project, **2010 - 2011**: *Synthesis, structure, and antifungal activity of novel dithiocarbamate EDTA derivatives and their metal complexes*, HRK 36.000, project co-leader (Montenegrin co-leader: prof. dr. sc. Zorica Leka)
- Foundation of the Croatian Academy of Science and Arts, **2010**, *Cambridge Structural Database Workshop*, HRK 10.000, project leader
- National foundation of science and technological development of the Republic of Croatia, Project NZZ 03-721/3-2010/IJ, **2009 - 2010**, *Cambridge Structural Database Workshop in Zagreb*, HRK 42.000, project leader
- Croatian - Slovenian bilateral research project, **2004 - 2006**: *Microbial lipases - a search for novel biocatalysts*, HRK 20.000, project co-leader (Slovenian co-leader: dr. sc. Mojca Benčina)

Mentorships

- **Toni Lijić**, Crystallisation of the water soluble supramolecular resorcinarene based biomimetic Zn complexes by macromolecular crystallisation techniques, student practice; Department of Chemistry, Faculty of sciences, University of Zagreb, Zagreb, Croatia (October 1st to December 18th, 2017)
- **Flavio Fanelli**, Crystallisation of the organic and water soluble supramolecular resorcinarene based biomimetic Zn complexes by macromolecular crystallisation techniques, Hands-on practice abroad as a part of the PhD study programme; University of Bari, Department of pharmacy and drug-sciences and Institute of Crystallography, CNR of Bari, Bari, Italy (July 24th, 2017 to Sep. 8th, 2017)
- **Vladimir Lukačević**, Antifungal activity of novel dithiocarbamate complexes with transition metals, Hands-on obligatory practice at the 3rd study year (160 working hours); Faculty of Chemical Technology and Engineering, University of Zagreb, Zagreb, Croatia (2014)
- **Srđan Milovac**, *Approach to a Topochemical Study of Photochromism of Nitroso Compounds in Solid State*, graduate thesis Supervisor: prof. dr Hrvoj Vančik, University of Zagreb, Faculty of Science, Zagreb, Croatia (2001)

Original scientific papers

- Kahrović, Emira*; Zahirović, Adnan; **Višnjevac, Aleksandar***; Osmanković, Imesa; Turkušić, Emir; Kurtagić, Harun: Chalcone and Flavonol Copper(II) Complexes Containing Schiff Base Co-Ligand: Synthesis, Crystal Structures and Catecholase-like Activity, *Croatica Chemica Acta - special issue*, **91** (2018) 195 - 207, DOI: 10.5562/cca3334.
- Elshafli, Hana; Todorović, Tamara R.; Nikolić, Milan; Lolić, Aleksandar; **Višnjevac, Aleksandar**; Hagenow, Stefanie; Padrón, José M.; Garcia-Sosa, Alfonso T.; Djordjević, Ivana S.; Grubišić, Sonja; Stark, Holger; Filipović, Nenad R.*: Selenazolyl-hydrazones as Novel Class of Selective MAO Inhibitors with Antiproliferative and Antioxidant Activities, *Frontiers in Chemistry* (2018) DOI: 10.3389/fchem.2018.00247.
- Matić, Josipa*; Nekola, Irena; **Višnjevac, Aleksandar**; Kobetić, Renata; Martin-Kleiner, Irena; Kralj, Marijeta; Žinić, Biserka*: C5-morpholino-methylation of N1-sulfonylcytosines by a one-pot microwave assisted Mannich reaction, *Organic and Biomolecular Chemistry*, **16** (2018) 2678 - 2687, DOI: 10.1039/c8ob00253c.
- Vojta, Danijela*; **Višnjevac, Aleksandar**; Leka, Zorica; Kosović, Milica; Vazdar, Mario*: 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** (2016) 245 - 253.

- Štefane, Bogdan; Perdiš, Franc; **Višnjevac, Aleksandar***; Požgan, Franc*: Novel Triazole-Based Ligands and Their Zinc(II) and Nickel (II) Complexes with Nitrogen Donor Environment as Potential Structural Models for Mononuclear Active Sites, *New Journal of Chemistry*, **39** (2015) 566 - 575.
- Gout, Jérôme; **Višnjevac, Aleksandar***; Rat, Stéphanie; Parrot, Arnaud; Hessani, Assia; Bistri, Olivia; Le Poul, Nicolas; *Le Mest, Yves; Renaud, Olivia*: Supramolecular control of a mononuclear biomimetic copper(II)center: Bowl complexes vs. Funnel complexes, *Inorganic Chemistry*, **53** (2014) 6224 - 6234.
- Leka, Zorica; Vojta, Danijela; Kosović, Milica; Latinović, Nedeljko; Đaković, Marijana; **Višnjevac, Aleksandar***: Syntheses, structures and antifungal activities of novel Co, Mo and Pt complexes with triammonium *N,N*-diacetatodithiocarbamate, *Polyhedron*, **80** (2014) 233 - 242.
- Gout, Jérôme; **Višnjevac, Aleksandar**; Rat, Stéphanie; Bistri, Olivia; Le Poul, Nicolas; Le Mest, Yves; Renaud, Olivia*: Bowl vs. funnel supramolecular concept for Cu(I) complexes within the biomimetic tris-imidazole core, *European journal of inorganic chemistry* (2013) 5171 - 5180.
- Krstulović, Luka; Ismaili, Hamit; Bajić, Miroslav; **Višnjevac, Aleksandar**; Glavaš-Obrovac, Ljubica; Žinić, Biserka*: Synthesis of Novel Aliphatic *N*-sulfonylamidino thymine derivatives by Cu(I)-catalyzed Three-component Coupling Reaction, *Croatica Chemica Acta*, **85** (2012) 525 - 534.
- Lapić, Jasmina; **Višnjevac, Aleksandar**; Cetina, Mario; Djaković, Senka; Vrček, Valerije; Rapić, Vladimir*: Experimental and DFT study of cyclodehydration and acetylation of ferrocenyl diols, *Journal of molecular structure*, **1019** (2012) 7-15.
- Saftić, Dijana; Žinić, Biserka; **Višnjevac, Aleksandar***: DBU induced formation of 8-bromoguanosine dimer with three hydrogen bonds between the GG-pairs, *Tetrahedron*, **68** (2012) 1062-1070.
- **Višnjevac, Aleksandar**; Gout, Jérôme; Inger, Nicolas; Bistri, Olivia; Renaud, Olivia*: First Zn(II) bowl-complexes modeling the active site of mono-nuclear metallo-enzymes, *Organic Letters*, **12** (2010) 2044 - 2047.
- Kobetić, Renata*; Gembarovski, Dubravka; **Višnjevac, Aleksandar**; Žinić, Biserka; Gabelica-Marković, Vesna: ESI MS Studies of Palladium (II) Complexes with 1-(*p*-Toluenesulfonyl)cytosine/cytosinato Ligands, *Journal of Mass Spectrometry*, **45** (2010) 51 - 64.
- **Višnjevac, Aleksandar**; Biliškov, Nikola; Žinić, Biserka*: Transition metal complexes of *N*-1-tosylcytosine and *N*-1-mesylcytosine, *Polyhedron*, **28** (2009) 3001 - 3009.
- **Višnjevac, Aleksandar**; Luić, Marija; Kobetić, Renata; Gembarovski, Dubravka; Žinić, Biserka*: Stabilization of the *N*-1-substituted cytosinate iminooxo form in dinuclear palladium complexes, *Polyhedron*, **28** (2009) 1057 - 1064.
- **Višnjevac, Aleksandar**; Žinić, Mladen; Luić, Marija; Žihor, Dinko; Kajfež Novak, Tanja; Žinić, Biserka*: Conformational chirality and chiral crystallization of *N*-sulfonylpyrimidine derivatives, *Tetrahedron*, **63** (2007) 86-92.
- Ćurić, Manda*; Babić, Darko; **Višnjevac, Aleksandar**; Molčanov, Krešimir: Simple Route to the Doubly ortho-Palladated Azobenzenes: Building Blocks for Organometallic Polymers and Metallomesogens, *Inorganic Chemistry*, **44** (2005) 17, 5975-5977.
- Poljak, Tanja; Molčanov, Krešimir; **Višnjevac, Aleksandar**; Habuš, Ivan; Kovač, Veronika; Rapić, Vladimir*: Synthesis and structure of *trans*-(+)-(3*S*,4*S*)-3-amino-4-ferrocenyl-1-*p*-methoxyphenylazetid-2-one, *Journal of Molecular Structure*, **751** (2005) 60-64.
- Škorić, Irena; Basarić, Nikola; Marinić, Željko; **Višnjevac, Aleksandar**; Kojić-Prodić, Biserka; Šindler-Kulyk, Marija: Synthesis and photochemistry of *b,b'*-diheteroaryl substituted-*o*-divinylbenzenes. Intra- and/or intermolecular cycloaddition as an effect of annelation, *Chemistry - a European Journal*, **11**, No. 2 (2005) 543-551.
- Tušek-Božić, Ljerka; **Višnjevac, Aleksandar**, Marotta, Ester; Kojić-Prodić, Biserka: The inside and outside protonation of a 15-membered O₂N₂-macrocyclic. Synthesis and structural characterization of the protonated ligand salts, *Polyhedron*, **24**, (2005) 97-111.
- Butković, Kristina; Basarić, Nikola; Lovreković, Kristijan; Marinić, Željko; **Višnjevac, Aleksandar**; Kojić-Prodić, Biserka; Šindler-Kulyk, Marija: Photochemistry of *b*-(4-sydnonyl)-*o*-divinylbenzene: Competitive *cis-trans* isomerization and photolysis, *Tetrahedron Letters*, **45** (2004) 9057-9060.
- Kovač, Veronika; **Višnjevac, Aleksandar**; Rapić, Vladimir; Kojić-Prodić, Biserka: Ferrocene Compounds. XV. Synthesis and Characterisation of Ferrocene Schiff Bases, *Journal of Molecular Structure*, **687** (2004) 107-110.
- **Višnjevac, Aleksandar**; Tušek-Božić, Ljerka: Two types of monoethyl alpha-

- anilinobenzylphosphonates: a zwitterion and a molecular compound, *Acta Crystallographica C - Crystal Structure Communication*, **C60** (2004) o434-o437.
- **Višnjevac, Aleksandar**; Kojić-Prodić, Biserka; Vinković, Marijana; Mlinarić-Majerski, Kata: 2,10-bis-spiro(2-adamantyliden)-1,3,6,9,11,14-hexathiacyclohexadecane, *Acta Crystallographica* **C59** (2003) 314-316.
 - Krizmanić, Irena; **Višnjevac, Aleksandar**; Luić, Marija; Glavaš-Obrovac, Ljubica; Žinić, Mladen; Žinić, Biserka*: Synthesis, Structure and Biological Evaluation of C-2 slufonamido pyrimidine nucleosides, *Tetrahedron*, **59** (2003) 4047-4045.
 - **Višnjevac, Aleksandar**; Tušek-Božić, Ljerka; Šepac, Dragan; Hameršak, Zdenko; Kojić-Prodić, Biserka: The Synthesis and Crystal Structures of 7-Bromo-1,3-dihydro-1-methyl-3(S)-methyl-5-(2'-pyridyl)-2H-1,4-benzodiazepin-2-one and its Cu(II) Complex, *Croatica Chemica Acta*, **76**, No. 1, 107-112.
 - Basarić, Nikola; Marinić, Željko; **Višnjevac, Aleksandar**; Kojić-Prodić, Biserka; Griesbeck, Axel G.; Šindler-Kulyk, Marija: Photochemical Transformations of 2,2'-(1,2-phenylenedivinylene)dipyrroles, *Photochemical & Photobiological Sciences*, **1**, No. 12 (2002) 37-44.
 - **Višnjevac, Aleksandar**; Tušek-Božić, Ljerka; Majerić-Elenkov, Maja; Hameršak, Zdenko; Kooijman, Huub; De Clercq, Erik; Kojić-Prodić, Biserka: Synthesis, Structural Characterisation nad Biological Activity of Zn(II) and Pd(II) Complexes of 3-Substituted 5-(2'-Pyridyl)-1,4-benzodiazepin-2-one Derivatives, *Polyhedron*, **21** (2002) 2567-2577.
 - **Višnjevac, Aleksandar**; Basarić, Nikola; Kojić-Prodić, Biserka; Šindler-Kulyk, Marija: E-5-Methyl-2-(2-methylstyryl)pyrrole, *Acta Crystallographica* **E58** (2002) o909-o910.
 - Banić-Tomišić, Zrinka; Kujundžić, Nedjeljko; Bukvić Krajačić Mirjana; **Višnjevac, Aleksandar**; Kojić-Prodić, Biserka: Molecular Structures of New Ciprofloxacin Derivatives, *Journal of Molecular Structure*, **611** (2002) 73-81.
 - Stiplošek, Zdenka; Šindler-Kulyk, Marija; Jakopčić, Krešimir; **Višnjevac, Aleksandar**; Kojić-Prodić, Biserka: On the Photochemical Dimerization of Some 5-Substituted 2-Styryl-4-pyrones. The effect of 5-Hydroxy-/5-Methoxy- Substitution, *Journal of Heterocyclic Chemistry*, **39** (2002) 37-44.
 - **Višnjevac, Aleksandar**; Avdagić, Amir; Kojić-Prodić, Biserka: 3(S)-Acetoxymethyl-7-chloro-1,3-dihydro-1-methyl-5-phenyl-2H-1,4-benzodiazepin-2-one. *Acta Crystallographica* **E58** (2002) o148-o150.
 - Majerić-Elenkov, Maja; Žiher, Darko; **Višnjevac, Aleksandar**; Hameršak, Zdenko; Kojić-Prodić, Biserka; Šunjić, Vitomir: Diastereoselective Aldol Reaction of 7-Bromo-5-pyrido-1,4-benzodiazepin-2-one; Relative and Absolute Configuration of All Stereoisomers, *Croatica Chemica Acta*, **74**, No. 3 (2001) 707-724.
 - **Višnjevac, Aleksandar**, Basarić, Nikola; Kojić-Prodić, Biserka; Šindler-Kulyk, Marija: Photochemical formation of 2-acetyl-7-methylbenz[e]indole, *Acta Crystallographica* **E57** (2001) o1252-o1254.
 - **Višnjevac, Aleksandar**; Kojić-Prodić, Biserka: Ethyl-(7-chloro-2,3-dihydro-2-oxo-5-phenyl-1H-1,4-benzodiazepine)-3-carboxylate, *Acta Crystallographica* **E57** (2001) o356 – o357.
 - Milovac, Srdjan; Šimunić-Mežnarić, Vesna; Vančik, Hrvoj; **Višnjevac, Aleksandar**; Kojić-Prodić, Biserka: 5-Chloro-6-nitroso-2-norbornene dimer as a motif for supramolecular assembly, *Acta Crystallographica* **E57** (2001) o218-o219.
 - **Višnjevac, Aleksandar**; Tušek-Božić, Ljerka; Majerić-Elenkov, Maja; Šunjić, Vitomir; Kojić-Prodić, Biserka: Cu(II)-promoted chemical transformations of 3-substituted 5-(2'-pyridyl)-1,4-benzodiazepin-2-one derivatives. Crystal structures and spectroscopic characterisation of metal complexes, *European Journal of Inorganic Chemistry* (2001) No. 10, 2647-2654.
 - Mlinarić-Majerski, Kata; **Višnjevac, Aleksandar**; Kragol, Goran; Kojić-Prodić, Biserka: Molecular structure of bis[(1,3)2-oxadamantano]-18-crown-6 and its potassium picrate complex, *Journal of Molecular Structure*, **554** (2000) 279-287.
 - Tomašić, Vlasta; Tušek-Božić, Ljerka; **Višnjevac, Aleksandar**; Kojić-Prodić, Biserka; Filipović-Vinceković, Nada: Physicochemical Properties of Dodecylammonium Picrate, *Journal of Colloid and Interface Science*, **227** (2000), 427-436.
 - Marković, Dean; Hameršak, Zdenko; **Višnjevac, Aleksandar**; Kojić-Prodić, Biserka; Šunjić, Vitomir: *syn/anti* Diastereoselectivity in the Aldol Reaction of Aldehydes with C(3) Carbanion of 1,3-Dihydro -2H-1,4-Benzodiazepin-2-one, *Helvetica Chimica Acta*, **83** (2000), 603-615.
 - Frkanec, Leo; **Višnjevac, Aleksandar**; Žinić, Mladen; Kojić-Prodić, Biserka: Calix[4]arene Amino Acid Derivatives. Intra- and Intermolecular Hydrogen-Bonded Organisation in Solution and the Solid State, *Chemistry – a European Journal*, **6**, No. 3 (2000), 442-453.

Scientific meetings - organization

- European Powder Diffraction Conference (EPDIC17), Šibenik, Croatia, May 26th to 30th, 2020, **Co-Chair of the organizing committee**; (to be organized by the Croatian Association of Crystallographers),
- *Hot Topics in Contemporary Crystallography 4* (HTCC4), Mlini, Dubrovnik, Croatia, October 1st - 6th, 2019, **Chair of the organizing committee**; (organized by the Croatian Association of Crystallographers),
- *Hot Topics in Contemporary Crystallography 3* (HTCC2018), Bol, Croatia, September 23rd - 27th, 2018, **Chair of the organizing committee**; (organized by the Croatian Association of Crystallographers),
- *4th European Crystallography School* (ECS4), Warsaw, Poland, June 2nd - 7th, 2017, **Member of the scientific committee**; (organized by the Polish academy of sciences),
- *Hot Topics in Contemporary Crystallography 2* (HTCC2017), Poreč, Croatia, April 22nd - 26th, 2017, **Chair of the organizing committee**; (organized by the Croatian Association of Crystallographers),
- *25th Croatian Meeting of Chemists and Chemical Engineers* (25HSKIKI), Poreč, Croatia, April 19th - 22nd, 2017, **Secretary of the organizing committee**, (organized by the Croatian Chemical Society),
- *1st PanAfrican Conference on Crystallography* (PCCr1), University of Dschang, Cameroon, Oct. 5th - 10th, 2016, **Member of the organizing committee**, (organized by the International Union of Crystallography),
- *3rd European Crystallography School* (ECS3), Bol, Croatia, Sep. 25th- Oct. 2nd, 2016; **Co-Chair of the organizing Committee**; (organized by the Croatian Association of Crystallographers),
- *30th European Crystallographic Meeting* (ECM30), Basel, Switzerland, Aug. 28th- Sep. 1st, 2016, **Member of the bursary committee**; (organized by the Swiss Society for Crystallography),
- *Little school of crystallography*, Rovinj, Croatia, Nov. 9th - 10th, 2015; **Chair of the organizing committee**; (organized by the Croatian Association of Crystallographers),
- *29th European Crystallographic Meeting* (ECM29), Rovinj, Croatia, Aug. 23rd - 28th, 2015; **Chair of the organizing committee**; (organized by the Croatian Association of Crystallographers),
- *Contemporary Crystallography in Croatia*, Zagreb, Sep. 30th, 2014, **Member of the organizing committee**; (organized by the Croatian Crystallographic Association),
- *Hot Topics in Contemporary Crystallography 1* (HTCC2014), Šibenik, Croatia, May 10th - 15th, **Chair of the organizing committee**; (organized by the Croatian Association of Crystallographers),
- *Crystallography in Croatia*, Zagreb, Jan. 25th, 2012, **Member of the organizing committee**; (organized by the Croatian Crystallographic Association),
- *Cambridge Structural Database Workshop*, Zagreb, March 3rd - 4th, 2010, **Chair of the organizing committee**; (organized by the Ruđer Bošković Institute),
- Croatian-Slovenian and Slovenian-Croatian annual crystallographic meetings, **Member of the organizing committee** (2001- present day); (organized by the Croatian Crystallographic Association and Slovenian Crystallographic Society).

Conferences - active participations or co-authorships

- **Višnjevac, Aleksandar**; Soldin, Željka; Đaković, Marijana: Supramolecular architectures of the Cu(II) and Cu(I) halopyrazine complexes, Asian Crystallographic Association Meeting 2018 (AsCA2018), Auckland, New Zealand, Dec. 2nd to 5th, 2018 (poster)
- **Jakas, Andreja**; **Višnjevac, Aleksandar**; Jerić, Ivanka: Peptides going sweet: Synthesis of glycopeptide hybrid structures using Passerini and Ugi reactions, 35th European Peptide Symposium, Dublin, Ireland, Aug. 26th to 31st, 2018 (poster)
- **Višnjevac, Aleksandar**; Zahirović, Adnan; Osmanković, Imesa; Turkušić, Emir; Kahrović, Emira: Crystal structures and bioactivity studies of four novel chalcone and flavonol copper(II) complexes containing Schiff base co-ligand, 31st European Crystallographic Meeting, Oviedo, Spain, Aug. 22nd to 27th, 2018 (poster)
- **Filipović, Nenad R.**; **Višnjevac, Aleksandar**; Padrón, José M.; Stark, Holger; Hagenow, Stefanie; Marković, Sanja; Todorović, Tamara R.: Biological activity of novel benzylidene-based (1,3-selenazol-2-yl)hydrazones, MuTaLig COST ACTION CA15135, Second WG meeting 2018, Tenerife, Spain, March 15th to 16th, 2018.
- **Višnjevac, Aleksandar**; Araškov, Jovana; Filipović, Nenad R.; Todorović, Tamara: Zn(II)

complexes of (1,3-thiazol-2-yl)hydrazones as potential pharmacological agents, *Acta Crystallographica A - Foundation and Advances*, **73** (2017) 415; 24th Congress & General Assembly of the International Union of Crystallography, Hyderabad, India, Aug. 21st – 28th, 2017 (poster)

- **Višnjevac, Aleksandar**; Kojić-Prodić, Biserka; Đaković, Marijana; Popović, Jasminka; Sablić, Igor; Šantić, Ana; Štefanić, Zoran: Educational and outreach projects of the Croatian Association of Crystallographers, *Acta Crystallographica A - Foundation and Advances*, **73** (2017) 504; 24th Congress & General Assembly of the International Union of Crystallography, Hyderabad, India, Aug. 21st – 28th, 2017 (poster)
- **Višnjevac, Aleksandar**; Araškov, Jovana; Filipović, Nenad; Todorović, Tamara: Structural studies of Zn(II) complexes of (1,3-thiazol-2-yl)hydrazones, 25th Croatian Meeting of Chemists and Chemical Engineers with international participation, Poreč, Croatia, Apr. 19th -22nd, 2017 (poster)
- **Višnjevac, Aleksandar**; Filipović, Nenad; Todorović, Tamara: Towards the new selenium-containing bioactive compounds: two novel selenazole ligands, 24th Croatian-Slovenian Crystallographic Meeting (CSCM24), Bol, Croatia, 20.-25.08.2016 (oral presentation)
- **Višnjevac, Aleksandar**; Gout, Jérôme; Bistri, Olivia; Reinaud, Olivia: Structural, spectroscopic and activity studies of biomimetic resorcinarene-based zinc and copper complexes, *Acta Cryst A71* (2015) s435-s436, 29th European Crystallographic Meeting (ECM29), Rovinj, Croatia, Aug. 23rd - 28th, 2015 (poster)
- **Višnjevac, Aleksandar**; Gout, Jérôme; Bistri, Olivia; Reinaud, Olivia: Rendgenska strukturna analiza monokristala u istraživanju biomimetičkih modela mononuklearnih aktivnih mjesta metaloenzima, Contemporary Crystallography in Croatia, Zagreb, Croatia, 30.09.2014 (oral presentation, integral article in Croatian and Extended abstract in English in the Programme book)
- **Višnjevac, Aleksandar**; Gout, Jerome; Bistri, Olivia; Reinaud, Olivia: Biomimetic resorcinarene-based copper(II) complex, *Acta Cryst A70* (2014) C1374, 23rd International Congress and General Assembly of the International Union of Crystallography, Montreal, Canada, Aug. 5th -12th, 2014 (invited oral presentation)
- **Višnjevac, Aleksandar**; Popović, Stanko: 2014 - The international year of crystallography in Croatia, *23rd International Congress and General Assembly of the International Union of Crystallography*, Montreal, Canada, 5.-12.08.2014 (poster)
- Leka, Zorica, Kosović, Milica; **Višnjevac, Aleksandar**; Vojta, Danijela; Latinović, Nedeljko: Inhibition effect of the platinum and palladium dithiocarbamate complexes on phytopathogenic fungus *Botrytis cinerea*, *12th International Conference on Protection and Restoration of the Environment*, Skiathos, Greece, 29.06.-3.07.2014 (poster, integral scientific article in the Programme book)
- **Višnjevac, Aleksandar**; Vojta, Danijela; Kosović, Milica; Đaković, Marijana; Leka, Zorica: In situ Co(II) oxidation upon coordination to the dithiocarbamate derivative, *28th European Crystallographic Meeting (ECM28)*, Warwick, UK, 25. - 29.08.2013 (poster)
- Vojta, Danijela; Kosović, Milica; Đaković, Marijana; **Višnjevac, Aleksandar**; Leka, Zorica: 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 - ICOSSECS8*, Belgrade, Serbia, 27.-29.06.2013 (poster)
- **Višnjevac, Aleksandar**; Perdiš, Franc; Požgan, Franc; Štefane, Bogdan: Biomimetic modelling of a mononuclear metallopeptidases active site with the triazole based tridentate ligands, *22 Croatian-Slovenian Crystallographic Meeting*, Biograd, Croatia, 12.-16.06.2013 (lecture)
- Kosović, Milica; **Višnjevac, Aleksandar**; Vojta, Danijela; Đaković, Marijana; Leka, Zorica: Cobalt complexes with biologically active dithiocarbamate derivative, *The 22 Croatian-Slovenian Crystallographic Meeting*, Biograd, Croatia, 12.-16.06.2013 (lecture)
- **Višnjevac, Aleksandar**; Latinović, Nedeljko; Latinović, Jelena; Bulatović, Daliborka; Leka, Zorica: Influence of the newly synthesized Fe(II)-DTC complexes on phytopathogenic fungus *Wilsonomyces carpophilus*, *2nd international symposium on corrosion and protection of materials and environment*, Bar, Montenegro, 17.-20.10.2012 (poster)
- Leka, Zorica; **Višnjevac, Aleksandar**: Novel imino derivatives of K-DAAP as potential antimicrobial and antifungal agents, *20. Croatian-Slovenian Crystallographic Meeting*, Baška, Croatia, 15.06.2011 - 19.06.2011 (lecture)
- **Višnjevac, Aleksandar**; Gout, Jerome; Reinaud, Olivia: Resorcinarene-based biomimetic model of mononuclear copper catalytic site, *20. Croatian-Slovenian Crystallographic Meeting*, Baška, Croatia, 15.06.2011 - 19.06.2011 (lecture)
- Krstulović, Luka; Bajić, Miroslav; **Višnjevac, Aleksandar**; Žinić, Biserka: Sintaza novih N-

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- **Višnjevac, Aleksandar**; Štefanić, Zoran: A PDB/CSD study of the metalloenzyme HisHisX-M-X type active sites and their low weight model complexes, *ISABC 10*, Debrecen, Hungary, 25.-29.09.2009 (poster)
 - **Višnjevac, Aleksandar**; Luić, Marija; Žinić, Biserka: Tautomerization of 1-tosylcytosine promoted by metal complexation, *16th Croatian-Slovenian crystallographic meeting*, Petřčane, Croatia. 13.-17.06.2007 (lecture)
 - **Višnjevac, Aleksandar**; Luić, Marija; Žinić, Mladen; Žinić, Biserka: Spontaneous resolution of *N*-sulfonylpyrimidine compounds induced by chemical modifications, *XX Congress of the International Union of Crystallography*, Florence, Italy, 23.-31.08.2005 (poster)
 - **Višnjevac, Aleksandar**: Croatian Crystallographic Web Service, *14th Croatian-Slovenian Crystallographic Meeting*, Vrsar, Croatia, 14.-18.06.2005 (lecture)
 - Ćurić, Manda; **Višnjevac, Aleksandar**; Babić, Darko; Molčanov, Krešimir; Plavec, Janez: A simple route to the doubly ortho-palladated azobenzenes : Building blocks for organometallic polymers and metallomesogenes, *XIX Hrvatski skup kemičara i kemijskih inženjera*, Opatija, Croatia, 24.-27.04.2005 (poster)
 - Poljak, Tanja; Molčanov, Krešimir; **Višnjevac, Aleksandar**; Habuš, Ivan; Kovač, Veronika; Rapić, Vladimir: Sinteza i struktura 4-ferocenil-3-aminoazetid-2-ona, *XIX Hrvatski skup kemičara i kemijskih inženjera*, Opatija, Croatia, 24.-27.04.2005 (poster)
 - Šepac, Dragan; Hameršak, Zdenko; **Višnjevac, Aleksandar**: Kiralni 1, 3, 4, 5-tetrahidrobenzodiazepini kao ligandi u asimetričnim redukcijama, *XIX Hrvatski skup kemičara i kemijskih inženjera*, Opatija, Croatia, 24.-27.04.2005 (poster)
 - **Višnjevac, Aleksandar**; Žinić, Mladen; Luić, Marija; Kajfež Novak, Tanja; Žinić, Biserka: Odnos morfologije kristala i Flackova parametra, *XIX Hrvatski skup kemičara i kemijskih inženjera*, Opatija, Croatia, 24.-27.04.2005 (poster)
 - **Višnjevac, Aleksandar**; Luić, Marija; Žinić, Mladen; Žinić, Biserka: Atropisomerism and spontaneous resolution of *N*-sulfonylpyrimidine derivatives, *XIII Slovenian-Croatian Crystallographic Meeting*, Bovec, Slovenia, 16.-20.06.2004 (lecture)
 - **Višnjevac, Aleksandar**; Luić, Marija; Žinić, Biserka: Biologically intriguing *N*-sulfonyl derivatives of pyrimidine nucleobases and their metal complexes, *XII Croatian-Slovenian Crystallographic Meeting*, Plitvička jezera, Croatia, 19.-22.06.2003 (lecture)
 - Škorić, Irena; Basarić, Nikola; Marinić, Željko; **Višnjevac, Aleksandar**; Kojić-Prodić, Biserka; Šindler-Kulyk, Marija: Photochemistry of diheteroaryl substituted *o*-divinylbenzenes, *XIII European Symposium on Organic Chemistry*, Cavtat, Croatia, 10.-15.09. 2003 (poster)
 - **Višnjevac, Aleksandar**; Frkanec, Leo; Kojić-Prodić, Biserka; Žinić, Mladen: Coordinational stereoisomerism in sodium complexes of *D*- and *L*- amino acid calix[4]arene derivatives, *Molecular Crystal Engineering EuroConference on Design and Preparation of Molecular Materials*, Acquafredda di Maratea, Italy, 31.05.-5.06.2003 (poster)
 - Tušek-Božić, Ljerka; **Višnjevac, Aleksandar**; Kojić-Prodić, Biserka: Reakcije kompleksiranja natrijevih soli s 5, 6, 14, 15-dibenzo-1, 4-dioks-8, 12-diazaciklopentadeka-5,14-dienom, *XVIII. Hrvatski skup kemičara i kemijskih inženjera*, Zagreb, Croatia, 16.-19.02.2003 (poster)
 - **Višnjevac, Aleksandar**; Luić, Marija; Krizmanić, Irena; Žinić, Biserka: Struktura istraživanja novog biološki aktivnog pirimidinskog nukleozida, *XVIII Hrvatski skup kemičara i kemijskih inženjera*, Zagreb, Croatia, 16.-19.02.2003 (poster)
 - **Višnjevac, Aleksandar**; Luić, Marija; Žinić, Biserka: Biologically intriguing *N*-sulfonyl derivatives of pyrimidine nucleobases and their metal complexes, *The 3rd Younger European Chemists' Conference – SetforEurope*, Grenoble, France, 23.-26.08.2003 (lecture and poster)
 - **Višnjevac, Aleksandar**; Milovac, Srđan; Šimunić-Mežnarić, Vesna; Kojić-Prodić, Biserka; Vančik, Hrvoj: Dimerisation and oxygen loss upon crystallisation of nitroso compounds, *XI Slovenian-Croatian crystallographic meeting*, Bohinj, Slovenia, 27.-30.06.2002 (lecture)
 - Banić-Tomišić, Zrinka; Kujundžić, Nedjeljko; Bukvić-Krajačić, Mirjana; **Višnjevac, Aleksandar**: Two new derivatives from the fluoro-quinoline family, *Second Croatian Congress on Pharmacy with International Participation*, Cavtat, Croatia, 31.05.-3.06.2001 (poster)
 - Vančik, Hrvoj; Šimunić-Mežnarić, Vesna; Milovac, Srđan; Tomišić, Vladislav; Čaleta, I.; Mlinarić-Majerski, Kata; Veljković, Jelena; **Višnjevac, Aleksandar**; Kojić-Prodić, Biserka: Solid state photochromism and thermochromism in nitroso monomer-dimer equilibrium, *8th European Symposium on Organic Reactivity, ESOR-8*, Cavtat, Croatia, 1.-6.09.2001 (poster)

- **Višnjevac, Aleksandar**; Basarić, Nikola; Šindler-Kulyk, Marija; Kojić-Prodić, Biserka: The crystal structure of 2,2'-(*o*-phenylenedivinylene)dibenzo[b]furan and its [3.2.1]bicyclic photoproduct, *10th Croatian-Slovenian Crystallographic Meeting*, Lovran, Croatia, 21.-24.06.2001 (lecture)
- **Višnjevac, Aleksandar**; Tušek-Božić, Ljerka; Majerić-Elenkov, Maja; Šepac, Dragan; Šunjić, Vitomir; Kojić-Prodić, Biserka: Utjecaj C(3)-supstituenta na kemijske transformacije 1, 4-benzodiazepin-2-ona pri koordinaciji Cu(II), *XVII hrvatski skup kemičara i kemijskih inženjera*, Osijek, Croatia, 10.-13.06.2001 (poster)
- **Višnjevac, Aleksandar**; Tušek-Božić, Ljerka; Kojić-Prodić, Biserka; Majerić-Elenkov, Maja; Šunjić, Vitomir: Copper(II) coordination chemistry of C(3)-substituted 1, 4-benzodiazepin-2-ones, *9th Slovenian-Croatian Crystallographic Meeting*, Gozd Martuljek, Slovenia, 15.-17.06.2000 (lecture)
- **Višnjevac, Aleksandar**; Kojić-Prodić, Biserka; Marković, Dean; Hameršak, Zdenko; Šunjić, Vitomir: Recognition of enantiomers in racemic erythro and threo derivatives of C(3)-substituted 1,4-benzodiazepine-2-on by X-ray diffraction methods, *8th Croatian-Slovenian Crystallographic meeting*, Rovinj, Croatia, 17.-19.06.1999 (lecture)
- **Višnjevac, Aleksandar**; Kojić-Prodić, Biserka; Frkanec, Leo; Žinić, Mladen: Rendgenska strukturalna analiza aminokiselinskih derivata kaliks(4)arena, *XVI Hrvatski skup kemičara i kemijskih inženjera*, Split, Croatia, 23.-26.02.1999 (poster)

Commissions & boards

- *Croatica Chemica Acta* - special issue in honor of dr. sc. Biserka Kojić-Prodić, **guest editor** (2018)
- dr. sc. Martina Vrankić, **committee chair** for the election to the title of Research Associate (2017)
- Ruđer Bošković Institute, **committee member** for the evaluation of new laboratories (*Laboratory for synthesis and X-ray crystallography of functional materials, P.I: dr. sc. Jasminka Popović*) (2015)
- dr. sc. Jasminka Popović, **committee member** for the election to the title of Senior Research Associate (2015)
- dr. sc. Boris Marko Kukovec, **committee member** for the election to the title of Research Associate (2013)
- Croatian Association of Crystallographers, **president**, 2012 to 2016 and 2016 to 2020
- Croatian Crystallographic Association, **board member**, 2002 to present day

Memberships

- Croatian Association of Crystallographers (CAC), **founder and president** (2012 to 2016, and 2016 to the present day)
- Croatian Chemical Society, member
- Croatian Crystallographic Association, **board member** (2012 to the present day)
- European Crystallographic Association
- International Union of Crystallography, collective membership

Other

HrZZ - Croatian Science Foundation; Evaluator of submitted project proposals
 National Research Foundation of South Africa; Evaluator of submitted project proposals
 Chemical Science (RSC); referee