

## CURRICULUM VITAE

*Family name (Surname):*

Trifunović

*First name:*

Srećko

*Permanent address:*

Daničićeva 77  
34 000 Kragujevac  
Serbia  
Phone: + 381-34-215-136

*Mailing address:*

Department of Chemistry  
Faculty of Science  
University of Kragujevac  
R. Domanovica 12  
P. O. Box 60  
34 000 Kragujevac  
Serbia  
Phone: + 381-34-336-223  
Fax: + 381-34-335-040  
E-mail: srecko@kg.ac.rs

*Date of birth:*

December 10, 1954.

*Country and place of birth:*

Serbia, Crna Glava

*Marital status:*

Married (two children)

*Wife:*

Danijela Trifunović

*Citizenship:*

Serbia

*Nationality:*

Serb

*Persons fully dependent upon  
me for financial support:*

*(a) Name*

Nemanja Trifunović

*(b) Date of birth*

August 15, 1983.

*(c) Relationship*

Son

*(a) Name*

Dunja Trifunović

*(b) Date of birth*

October 19, 1998.

*(c) Relationship*

Daughter

## **EDUCATION**

- Primary School:** Gruža, Serbia  
1961 - 1969.
- Secondary School:** Kragujevac, Serbia  
1969 - 1973.
- Diploma in Chemistry:** Faculty of Science  
University of Kragujevac  
Kragujevac, Serbia  
1973 - 1978.
- M. S. Degree in Chemistry:** Faculty of Science  
University of Kragujevac  
Kragujevac, Serbia  
1979 - 1985.
- Ph. D. in Chemistry:** Faculty of Science  
University of Kragujevac  
Kragujevac, Serbia  
1985 - 1991.
- Research Fellow:** University Erlangen-Nürnberg  
(c/o. Professor Dieter Sellmann) Institut für Anorganische  
Chemie  
Egerlandstraße 1,  
D-91058 Erlangen, Deutschland  
Three months, 1996.
- Professional Societies:** Serbian Chemical Society,  
Serbian Crystallographic  
Society  
Serbian Physico-chemical  
Society
- List of significant publications:** See attached The List of  
Publications
- ## **LENGUAGES**
- (a) Mother:** Serbian
- (b) Other languages:** English, Russian
- ## **EMPLOYMENT**
- Assistant:** Department of Chemistry  
Faculty of Science  
University of Kragujevac

**Kragujevac, Serbia  
1979 - 1993.**

*Assistant Professor:*

**Department of Chemistry  
Faculty of Science  
University of Kragujevac  
Kragujevac, Serbia  
1993 - 1998.**

*Associate Professor:*

**Department of Chemistry  
Faculty of Science  
University of Kragujevac  
Kragujevac, Serbia  
1998 - 2005**

*Full Professor:*

**Department of Chemistry  
Faculty of Science  
University of Kragujevac  
Kragujevac, Serbia  
27.05. 2005**

*Teaching:*

**Bioinorganic Chemistry,  
Inorganic pollutants,  
Chemistry (general course for  
students of physics),  
Chemistry 1 (for students  
of Pharmacy)**

*Administration:*

**Head  
of the Department of  
Chemistry  
Faculty of Science  
University of Kragujevac  
Kragujevac, Serbia  
1998 - 2000.**

**Dean  
Faculty of the Science  
University of Kragujevac  
Kragujevac, Serbia  
2002 -2006 and 2015-**

**President  
Serbian Crystallographic Society  
2010-2015**

## **EXPERIENCE**

### **Science**

#### *Coordination Chemistry and Bioinorganic Chemistry*

Synthesis of the coordination compounds of the different metal ions, resolution of the racemic mixtures of the prepared complexes to the optical isomers, absolute configuration of the enantiomers, biological activity.

A member of the staff of the different scientific projects supported by Ministry of Science of, earlier, Yugoslavia now Republic of Serbia since 1979.

The leader of the subproject of the FP7 project - *Centre for Pre-Clinical Testing of Active Substances* (2009-2011)

The leader of the scientific project (No 172016) - *Synthesis, modeling, physico-chemical and biological properties some organic compounds and corresponding metal complexes* (2011-2014) supported by Ministry of Science and Technological Development of the Republic of Serbia.

The leader of the bilateral projects between Republic Serbia and Republic Belorussia (two), Slovakia and Montenegro.

The member of the staff of the international project *The synthesis of the novel dithiocabamato compounds and investigation their antimicrobial and toxic properties*.

He is participant, as a visiting professor, in the implementation of the curriculum of doctoral and post-doctoral studies of inorganic chemistry of the project "*KVARK - quality education and skills development for doctoral and post-doctoral students of Pavol Jozef Šafárik University in Košice*, the University Pavol Jozef Šafárik, Košice, Slovak Republic.

He is participant, as a professor, in CEEPUS III network *SK-1018, Biology, Biotechnology and Food Sciences*, Slovak University of Agriculture in Nitra, Nitra, Slovak Republic

### **Other**

A leader of Headquarter of Civil Protection for Central region of Serbia- located in Kragujevac (1990-present)

A leader of expert team for Local Environment Action Plan (LEAP)-municipality of Kragujevac (finished and accepted 2004.) a member of expert team for Local Environment Action Plan (LEAP)-municipality of Kragujevac (finished and accepted 2010)

A leader of Project (for Government of Republic Serbia-Ministry for environment) „Study of past, temporary and future environment plans in Kragujevac” (2003.)

A member national team for National Environment Action Plan (NEAP) and National Environment Policy Plan (NEPP) of Republic Serbia-group for water (2004).

A lot of analysis different materials (water, ground, food, and so on), recycling (solvents, chemicals,...) and detoxication of industrial waste materials.

A contact person for Faculty of Science, University of Kragujevac for TEMPUS project:  
- *Education Network Based on Information Technology*, 2002-2005

A contact person for University of Kragujevac for TEMPUS projects:  
- *Network education at Faculties of Science in Serbia*, 2006-2006

- Master programme for Subject Teachers in Serbia, 2010-2012
- Master programme in applied statistics, 2010-2012.  
A coordinator of TEMPUS project for Serbia:
- Science Teacher Education Revision and Upgrading, 2005-2008.

## Bibliography of dr Srećko R. Trifunović

### 1. Master degree and PhD Thesis

- 1.1. S. R. Trifunović,  
*Struktura oksalato i malonato hrom(III)-kompleksa sa kvadridentatnim diamin-N,N'-diacetato ligandima,*  
Magistarska teza, Prirodno-matematički fakultet, Univerzitet u Kragujevcu, 1985.
- 1.2. S. R. Trifunović,  
*Struktura i apsolutne konfiguracije 1,3-propan-diamin-N,N'-diacetato-N,N'-di-3-propionato-kobaltat(III)-kompleksa,*  
Doktorska disertacija, Prirodno-matematički fakultet, Univerzitet u Kragujevcu, 1991.

### 2. Reviews

- 2.1. I. Bernal, J. Cetrullo, J. Myrczek, J. S. Ricci Jr., D. J. Radanović and S. R. Trifunović,  
*Metal amine carboxylates as hydronium ion traps. Part 5.1. The structure of  $K_{1/2}(H_5O_2)_{1/2}\{(-)_D\text{-trans}(O_6)\text{-}[Co(1,3\text{-SS-pddadp})]\}\cdot 2H_2O$  (I) determined at  $18^\circ\text{C}$  and  $-100^\circ\text{C}$  and of  $Li\{(-)_D\text{-trans}(O_6)\text{-}[Co(1,3\text{-SS-pddadp})]\}\cdot 7H_2O$  (II) at  $18^\circ\text{C}$ .*  
*Intermolecular Interactions in the crystallization of metal diamine carboxylates and on hydronium traps,*  
*Intermolecular Interactions,* W. Gans and J. C. A. Boyens, eds., Plenum Press, New York, 1998, p.155.
- 2.2. T. J. Sabo, S. R. Grgurić-Šipka and S. R. Trifunović,  
*Transition metal complexes with edda-type ligands-a review,*  
*Syn. React. Inorg. Met.* **32(9)** 2002, 1661-1717.
- 2.3. I. D. Radojević, V. V. Glođović, G. P. Radić, J. M. Vujić, O. D. Stefanović, Lj. R. Čomić and S. R. Trifunović,  
*From Synthesis to Antibacterial Activity of Some New Palladium(II) and Platinum(IV) Complexes,*  
*Antimicrobial Agents/ Book 1, Chapter 15,* Inteh Open Access Publisher, 2012, 311-332  
ISBN 979-953-307-281-3

### 3. Scientific papers

- 3.1. D. S. Veselinović, S. A. Grujić, S. R. Trifunović and D. J. Radanović,  
*Investigation of the complex of Cr(III) and trimethylenediamine-N,N'-diacetic acid,*  
*Bull. Soc. Chim. Beograd*, **48** (1983) 245-248
- 3.2. D. J. Radanović, S. R. Trifunović, D. E. Bause, C. Maricondi, J. E. Abola  
and B. E. Douglas,  
*Ligand substituent contributions to the rotational strengths in cyano (ethylenediamine-  
N,N,N'-triacetato)cobaltate(III) complexes. Crystal structures of Rb-(-)<sub>546</sub>-cis-eq-  
[Co(ed3a)CN]·2H<sub>2</sub>O and K-(-)<sub>546</sub>-cis-eq-[Co(hed3a)CN]·1,5H<sub>2</sub>O,*  
*Inorg.Chem.* **26(24)** (1987) 3994-3999  
DOI: 10.1021/ic00271a007
- 3.3. D. J. Radanović, S. R. Trifunović, C. Maricondi and B. E. Douglas,  
*Cobalt(III) complexes of 1,3-propanediamine-N,N'-diacetic-N,N'-di-3-propionic acid and  
1,3-propanediamine-N-3-propionic-N,N',N'-triacetic acid,*  
*Inorg. Chem.*, **27(5)** (1988) 764-765  
DOI: 10.1021/ic00278a700
- 3.4. C. Maricondi, S. Utsuno, D. J. Radanović, S. R. Trifunović, J. E. Abola and B. E. Douglas,  
*Proton and carbon-13 NMR studies of cis-eq- and trans-eq- ethylenediamine-N,N,N'-tri-  
acetatocobalt(III) and cis-eq-N-methylethylenediamine-N,N',N'-triacetato-cobaltate(III).  
Crystal structure of NH<sub>4</sub>cis-eq-[Co(ed3a)CN],*  
*Inorg. Chim. Acta*, **142** (1988) 135-149
- 3.5. D. J. Radanović, S. R. Trifunović, S. A. Grujić, C. Maricondi, M. Parvez  
and B. E. Douglas,  
*Diamine-N,N'-diacetatochromate(III) complexes with oxalate and malonate anions.  
Crystal structure of (-)<sub>589</sub>-[Co(en)<sub>2</sub>(C<sub>2</sub>O<sub>4</sub>)](-)<sub>546</sub>-[Cr(1,3-pdda)(mal)]·H<sub>2</sub>O,*  
*Inorg. Chim. Acta*, **157** (1989) 33-43  
DOI: 10.1002/chin.198923241
- 3.6. D. J. Radanović, S. R. Trifunović, M. S. Cvijović, C. Maricondi and B. E. Douglas,  
*Synthesis and characterization of hexadentate cobalt(III) complexes with novel edta-type  
ligands. Part 2. Circular dichroism of the trans(O<sub>5</sub>O<sub>6</sub>) and trans(O<sub>6</sub>) isomers of a  
cobalt(III) complex of 1,3-propanediamine-N,N'-diacetic-N,N'-di-3-propionic acid,*  
*Inorg. Chim. Acta*, **196(2)** (1992) 161-169  
DOI: 10.1016/S0020-1693(00)86119-8
- 3.7. D. J. Radanović, S. R. Trifunović, C. Maricondi and B. E. Douglas,  
*Synthesis and characterization of hexadentate cobalt(III) complexes with novel edta-type  
ligands. Part 4. Circular dichroism of the trans(O<sub>5</sub>O<sub>6</sub>) isomer of a cobalt(III) complex of  
1,3-propanediamine-N,N,N'-triacetic-N'-3-propionic acid,*  
*Inorg. Chim. Acta*, **219** (1994) 147-153

- 3.8. M. Parvez, C. Maricondi, D. J. Radanović, S. R. Trifunović, V. D. Miletić and B. E. Douglas,  
*The crystal structure of potassium trans(O<sub>6</sub>)-1,3-propanediamine-N,N'-diacetato-N,N'-di-3-propionato-cobaltate(III) trihydrate and consideration of ring strain, Ktrans(O<sub>6</sub>)-[Co(1,3-pddadp)]·3H<sub>2</sub>O,*  
*Inorg. Chim. Acta*, **248(1)** (1996) 89-92  
DOI: 10.1016/0020-1693(95)04975-4
- 3.9. T. J. Sabo and S. R. Trifunović,  
*Preparation and characterization of meridional isomers of uns-cis-(ethylenedi-amine-N,N'-di-3-propionato)cobalt(III) complexes with some β-amino acid,*  
*J. Serb. Chem. Soc.* **61(12)** (1996) 1179-1184
- 3.10. T. Sabo, D. M. Minić and S. R. Trifunović,  
*Sinteza, karakterizacija i termičke osobine meridijalnog izomera uns-cis-(etilen-diamin-N,N'-di-3-propionato)-(α-amino-izobutirato)kobalt(III) semihidrata,*  
*Tehnika-Novi materijali*, **9-10(5)** (1996) 4-8
- 3.11. T. J. Sabo, S. Samardžija, D. Poleti and S. R. Trifunović,  
*Synthesis and characterization of s-cis-bis(ethylenediamine-N,N'-diacetato)-μ-O,O'-glycinato-μ-hydroxo-dichromium(III) monohydrate,*  
*J.Serb. Chem. Soc.* **62(11)** (1997) 1053-1057
- 3.12. T. J. Sabo, S. R. Grgurić, Ž. Lj. Tešić and S. R. Trifunović,  
*Synthesis and characterization of uns-cis-(ethylenediamine-N,N'-di-3-propionato)-cobalt(III) complexes with symmetrical β-diketonato ligands,*  
*J. Serb. Chem. Soc.* **63(3)** (1998) 195-199
- 3.13. B. Prelesnik, K. Anđelković, Z. Marković, T. Sabo and S. Trifunović,  
*Potassium 3-dithiocarboxy-3-aza-5-aminopentanoate dihydrate,*  
*Acta Cryst.* **C53(6)** (1997) 719-720
- 3.14. Ž. Lj. Tešić, S. R. Grgurić, S. R. Trifunović, D. M. Milojković and T. J. Sabo,  
*Chromatographic separation of facial and meridional isomers of cobalt(III) complexes by planar chromatography,*  
*J. Planar Chromatogr.* **10** (1997) 457-459
- 3.15. S. R. Grgurić, S. R. Trifunović and T. J. Sabo,  
*The preparation and characterization of facial and meridional isomers of uns-cis-(ethylenediamine-N,N'-di-3-propionato)cobalt(III) complexes with aliphatic α-S-amino acids,*  
*J. Serb.Chem.Soc.*, **63(8)** (1998) 669-675

- 3.16. S. R. Trifunović, Z. Marković, K. Anđelković, T. J. Sabo and D. M. Minić,  
*Synthesis, characterization and thermal decomposition of cobalt(II) complexes with potassium 3-(dithiocarboxy)-3-aza-5-aminopentanoate dihydrate*,  
*Tehnika (Belgrade)*, **53(5-6)** (1998) NM1-NM3
- 3.17. T. J. Sabo, S. R. Grgurić, D. M. Minić and S. R. Trifunović,  
*Preparation and characterization facial and meridional isomers of uns-cis-(ethylenediamine-N,N'-di-3-propionato)(glycinato)cobalt(III) semihydrate*,  
*J. Coord. Chem.* **44(1-2)** (1998) 47-54  
DOI: 10.1080/00958979808022878
- 3.18. Z. D. Matović, S. R. Trifunović, G. Ponticelli, L. P. Bataglia, G. Pelizzi,  
I. A. Efimenko and D. J. Radanović,  
*Solvent-induced reaction of rhodium(III) halide with N-heterocyclic Ligands. Crystal structure of trans-dichlorotetrakis(N-methylimidazole) Rhodium(III) chloride dihydrate*,  
*Inorg. Chim. Acta*, **278(2)** (1998) 209-216  
DOI: 10.1016/S0020-1693(98)00029-2
- 3.19. T. J. Sabo, L. P. Popović and S. R. Trifunović,  
*Synthesis and characterization facial and meridional isomers of uns-cis-(ethylenediamine-N,N'-di-3-propionato)(nor-valinato)cobalt(III) complex*,  
*Bull. Chem. Techn. Maced.* **18(1)** (1999) 51.
- 3.20. Ž. Lj. Tešić, T. J. Sabo, S. R. Trifunović and D. M. Milojković,  
*TLC of facial and meridional Isomers of cobalt(III) and chromium(III) complexes on polyacrylonitrile sorbent*,  
*J. Chromatogr. A* **847(1+2)** (1999) 279
- 3.21. S. R. Trifunović, J. M. Dišić and T. J. Sabo,  
*The preparation and characterization of facial and meridional isomers of uns-cis-(ethylenediamine-N,N'-di-3-propionato)cobalt(III) complexes with aliphatic  $\alpha$ -S-amino acids containig oxygen and sulfur*,  
*Synth. React. Inorg. Metaloorg. Comp.* **9** (1999) 1673
- 3.22. S. R. Trifunović, N. Vučković, S. A. Grujić and T. J. Sabo,  
*Synthesis and characterization of uns-cis-(ethylenediamine-N,N'-di-3-propionato)cobalt(III) complexes with symmetrical  $\beta$ -diketonato ligands*,  
*J. Serb. Chem. Soc.* **64(1)** (1999) 31
- 3.23. T. J. Sabo, S. R. Trifunović and D. M. Minić,  
*Synthesis, characterization and thermal propeties of meridional isomer of uns-cis-(ethylenediamine-N,N'-di-3-propionato)(D-alaninato)cobalt(III) trihydrate*,  
*Tehnika (Belgrade)* **54(2)** (1999) NM9-NM12



- 3.24. J. M. Dišić, S. R. Trifunović, S. A. Grujić and P. Đurđević,  
*Solution equilibria between ethylenediamine-*N,N'*-di-3-propionate and some transition metal(II) ions*,  
*Talanta*, **49(2)** (1999) 473-482  
DOI: 10.1016/S0039-9140(98)00388-9
- 3.25. Z. B. Marković, G. A. Bogdanović, A. Spasojević-de Bire, T. J. Sabo and S. R. Trifunović,  
*Crystal structure of ammonium iminodiacetate,  $NH_4C_4H_6NO_4$* ,  
*Z. Krist.-New Cryst. St.* **215(3)** (2000) 363-364  
DOI: 10.1515/ncrs-2000-0328; **M23**
- 3.26. T. J. Sabo and S. R. Trifunović,  
*Synthesis and characterization of meridional isomer of uns-cis-(ethylenediamine-*N,N'*-di-3-propionato)(*S*-norleucinato)cobalt(III) semihydrate*,  
*J. Serb. Chem. Soc.* **65(7)** (2000) 537-541  
UDC 546.733-/54-386/:547.415.1-547.293-547.295; **M23**
- 3.27. Z. D. Matović, B. M. Ristić, M. D. Joksović, S. R. Trifunović, G. Pelosi, S. Ianelli and G. Ponticelli,  
*Square-planar copper(II) complexes with a novel tetradentate amido-carboxylate ligand, Crystal structure of  $[Co(H_2O)_6][Cu(mda)] \cdot 2H_2O$* ,  
*Transit. Metal Chem.* **25(6)** (2000) 720-726  
DOI: 10.1023/A:1007051908027; **M23**
- 3.28. S. R. Trifunović, Z. D. Matović, V. Milovanović, H. Kawaguchi and M. Yamasaki,  
*Manganese(II) complexes with edta-type ligands. The molecular structure of aqua-dihydrogen(1,2-propanediamine-*N,N,N',N'*-tetraacetate)manganese(II) trihydrate,  $[Mn(H_2l,2-pdta)(H_2O)] \cdot 3H_2O$* ,  
*Transit. Metal Chem.* **25(6)** (2000) 680-685  
DOI: 10.1023/A:1007028629561; **M23**
- 3.29. P. Genova, T. Varadinova, R. Alexandrova, S. R. Trifunović and P. Radivojša,  
*Citotoxicity of Co(III) complexes of arginine*,  
*Met. Based Drugs*, **8(4)** (2001) 195-198  
DOI: 10.1155/MBD.2001.195;
- 3.30. S. R. Trifunović, Z. B. Marković, D. M. Sladić, K. K. Anđelković, T. J. Sabo and D. M. Minić,  
*The synthesis and characterization of nickel(II) and copper(II) complexes with the polydentate dialkyl dithiocarbamic acid ligand 3-dithiocarboxy-3-aza-5-aminopentanoate*,  
*J. Serb. Chem. Soc.* **67(2)** (2002) 115-122  
DOI: 10.2298/JSC0202115T; **M23**

- 3.31. D. D. Stamenović and S. R. Trifunović,  
*The synthesis and characterization of facial and meridional isomers of uns-cis-(ethylenediamine-*N,N'*-di-3-propionato) cobalt(III) complexes with S-lysine and S-histidine,*  
*J. Serb. Chem. Soc.* **67(4)** (2002) 235-241  
DOI: 10.2298/JSC0204235S; **M23**
- 3.32. S. R. Grgurić-Šipka, T. J. Sabo, S. R. Trifunović and D. M. Minić,  
*Investigation of thermal stability and kinetics of thermal degradation of meridional isomers of aminocarboxylato cobalt(III) complexes,*  
*Thermochim. Acta,* **399(1-2)** (2003) 145-152  
DOI: 10.1016/S0040-6031(02)00458-6; **M22**
- 3.33. G. N. Kaluđerović, V. M. Đinović, S. R. Trifunović, I. M. Hodžić and T. J. Sabo,  
*Synthesis, characterization of tris[butyl-(1-methyl-3-phenyl-propyl)-dithiocabamato]-cobalt(III) seskvitoluene,*  
*J. Serb. Chem. Soc.* **67(2)** (2002) 123-126  
DOI: 10.2298/JSC0202123K; **M23**
- 3.34. G. N. Kaluđerović, F. W. Heinemann, V. M. Leovac, S. R. Trifunović and T. J. Sabo,  
*Ethylenediammonium aquabis(malonato)oxovanadate(IV),*  
*Acta Crystallogr. E.: Structure Reports Online* **E59(7)** (2003) m541-m542  
DOI: 10.1107/S160053680301417X; **M23**
- 3.35. T. J. Sabo, G. N. Kaluđerović, S. R. Grgurić-Šipka, F. W. Heinemann  
and S. R. Trifunović,  
*Complex compounds of platinum(IV) and O,O-dialkyl-ethylenediamine-*N,N'*-di-3-propanoate ligands. A structural evidence for geometry of hydrolytic product of some esters,*  
*Inorg. Chem. Commun.* **7(2)** (2004) 241-244  
DOI: 10.1016/j.inoche.2003.11.007; **M22**
- 3.36. Z. B. Leka, S. A. Grujić, Ž. Lj. Tešić, S. R. Lukić, S. J. Skuban and S. R. Trifunović,  
*The synthesis and characterization of complexes of zinc(II), cadmium(II), platinum(II) and palladium(II) with potassium 3-dithiocarboxy-3-aza-5-aminopentanoate,*  
*J. Serb. Chem. Soc.* **69(2)** (2004) 137-143  
DOI: 10.2298/JSC0402137L; **M23**
- 3.37. G. N. Kaluđerović, F. W. Heinemann, N. Ž. Knežević, S. R. Trifunović and T. J. Sabo,  
*Crystal structure of (ethylenediammonium-*N,N'*-di-3-propanoic acid) tetrachloropalladate(II) complex,*  
*J. Chem. Crystallogr.* **34(3)** (2004) 185-189  
DOI: 10.1023/B:JOCC.0000021562.41341.75; **M23**

- 3.38. V. V. Glođović, M. D. Joksović and S. R. Trifunović,  
*The geometrical isomers of oxalato and malonato-(ethylenediamine-*N,N'*-di-*S,S*-2-propionato)chromate(III) complexes*,  
*J. Serb. Chem. Soc.* **70(1)** (2005) 1-7  
DOI: 10.2298/JSC0501001G; **M23**
- 3.39. Z. D. Petrović, M. I. Đuran, F.W. Heinemann, S. U. Rajković and S. R. Trifunović,  
*Synthesis, structure and hydrolytic reaction of trans-dichlorobis (diethanolamine-*N*) palladium(II) with *N*-acetylated *L*-histidylglycine dipeptide*,  
*Bioorg. Chem.* **34(5)** (2006) 225-234  
DOI: 10.1016/j.bioorg.2006.06.003; **M22**
- 3.40. Z. B. Leka, V. M. Leovac, S. R. Lukić, T. J. Sabo, S. R. Trifunović,  
K. F. Mészáros-Szécsényi,  
*Synthesis and physico-chemical characterization of new dithiocarbamate ligand and its complexes with copper(II), nickel(II) and palladium(II)*,  
*J. Therm. Anal. Calorim.* **83(3)** (2006) 687-691  
DOI: 10.1007/s10973-005-6938-7; **M22**
- 3.41. B. B. Krajčinović, G. N. Kaluđerović, D. Steinborn, H. Schmidt, C. Wagner,  
Ž. S. Žižak, Z. D. Juranić, S. R. Trifunović and T. J. Sabo,  
*Synthesis and in vitro antitumoral activity of novel *O,O'*-di-2-alkyl-(*S,S*)-ethylenediamine-*N,N'*-di-2-propanoate ligands and corresponding platinum(II/IV) complexes*,  
*J. Inorg. Biochem.* **102(4)** (2008) 892-900  
DOI: 10.1016/j.jinorgbio.2007.12.009; **M21**
- 3.42. V. V. Glođović and S. R. Trifunović,  
*Stereospecific ligands and their complexes. Synthesis and characterization of the *s-cis*- $K[Ru(S,S\text{-eddp})Cl_2] \cdot 3H_2O$* ,  
*J. Serb. Chem. Soc.* **73(5)** (2008) 541-545  
DOI: 10.2298/JSC0805541G; **M23**
- 3.43. V. V. Glođović, F. W. Heinemann and S. R. Trifunović,  
*Stereospecific Ligands and their Complexes. III. Oxalato and Malonato-ethylenediamine-*N,N'*-di-*S,S*-2-propionato)-Chromate(III) Complexes. Crystal Structure of the  $\Delta(-)_{589}\text{-}s\text{-cis}\text{-}K[Cr(S,S\text{-eddp})(ox)] \cdot 0.5H_2O$* ,  
*J. Chem. Crystallogr.* **38(12)** (2008) 883-889  
DOI: 10.1007/s10870-008-9400-4; **M23**
- 3.44. M. Cvijović, D. D. Golobočanin, S. R. Trifunović and N. R. Miljević,  
*Alum-treated Drinking Water In Western Serbia*,  
*J. Environ. Protect. Ecol.* **10(3)** (2009) 649-656

- 3.45. B. B. Krajčinović, G. N. Kaluđerović, D. Steinborn, H. Schmidt, C. Wagner, K. Merzweiler, S. R. Trifunović and T. J. Sabo,  
*Palladium(II) complexes with R<sub>2</sub>edda derived ligands. Part I. Reaction of diisopropyl (S,S)-2,2'-(1,2-ethanediyl-diimino)-dipropanoate with K<sub>2</sub>[PdCl<sub>4</sub>],*  
*J. Serb. Chem. Soc.* **74(4)** (2009) 389-400  
DOI: 10.2298/JSC0904389K; **M23**
- 3.46. S. R. Trifunović, D. P. Dimitrijević, G. P. Vasić, N. S. Radulović, M. D. Vukićević, F. W. Heinemann and R. D. Vukićević,  
*New Simple Synthesis of N-Substituted 1,3-Oxazinan-2-ones*  
*Synthesis-Stuttgart*, **6** (2010) 943-946  
DOI: 10.1055/s-0029-1218642; **M22**
- 3.47. V. M. Đinović, V. V. Glođović, G. P. Vasić, V. S. Trajković, O. R. Klisurić, S. M. Stanković, T. J. Sabo and S. R. Trifunović,  
*Stereospecific ligands and their complexes. IV: Synthesis, characterization and cytotoxicity of novel platinum(IV) complexes with ethylenediamine-N,N'-di-S,S-2-propanoate and halogenido ligands: Crystal structure of s-cis-[Pt(S,S-eddp)Cl<sub>2</sub>]·4H<sub>2</sub>O and uns-cis-[Pt(S,S-eddp)Br<sub>2</sub>],*  
*Polyhedron*, **29(8)** (2010) 1933-1938  
DOI: 10.1016/j.poly.2010.03.004; **M21**
- 3.48. R. M. Ghalib, S. H. Mehdi, R. Hashim, O. Sulaiman, A. Valkonen, K. Rissanen and S. R. Trifunović,  
*Isolation and Crystal Structure Determination of 3,5,4'-Trihydroxy-6,7-Dimethoxy-Flavone (Eupalitin) from Asparagus falcatus (Linn.),*  
*J. Chem. Crystallogr.* **40(6)** (2010) 510-513  
DOI: 10.1007/s10870-010-9687-9; **M23**
- 3.49. J. M. Vujić, M. S. Cvijović, G. N. Kaluđerović, M. Z. Milovanović, B. B. Zmejkovski, V. Volarević, N. N. Arsenijević, T. J. Sabo and S. R. Trifunović,  
*Palladium(II) complexes with R<sub>2</sub>edda derived ligands. Part IV. O,O'-dialkyl- esters of (S,S)-ethylenediamine-N,N'-di-2-(4-methyl)-pentanoic acid dihydrochloride and their palladium(II) complexes: Synthesis, characterization and in vitro antitumoral activity against chronic lymphocytic leukemia (CLL) cells,*  
*Eur. J. Med. Chem.* **45(9)** (2010) 3601-3606  
DOI: 10.1016/j.ejmech.2010.05.005; **M21**
- 3.50. G. P. Vasić, V. V. Glođović, I. D. Radojević, O. D. Stefanović, Lj. R. Čomić, V. M. Đinović and S. R. Trifunović,  
*Stereospecific ligands and their complexes. V. Synthesis, characterization and antimicrobial activity of palladium(II) complexes with some alkyl esters of (S,S)-ethylenediamine-N,N'-di-2-propanoic acid,*  
*Inorg. Chim. Acta*, **363(13)** (2010) 3606-3610  
DOI: 10.1016/j.ica.2010.05.046; **M22**

- 3.51. G. P. Radić, V. V. Glođović, G. N. Kaluđerović, F. W. Heinemann and S. R. Trifunović, *Palladium(II) complexes with R<sub>2</sub>edda-derived ligands. Part V. Reaction of O,O'-diethyl-(S,S)-ethylenediamine-N,N'-di-2-(3-methyl)butanoate with K<sub>2</sub>[PdCl<sub>4</sub>], Transit. Metal Chem.* **36(4)** (2011) 331–336  
DOI: 10.1007/s11243-011-9473-3; **M23**
- 3.52. M. Ž. Jelić, J. Ž. Milivojević, S. R. Trifunović, I. G. Đalović, D. S. Milošev and S. I. Šeremešić, *Distribution and forms of iron in the vertisols of Serbia, J. Serb. Chem. Soc.*, **76(5)** (2011) 781–794  
DOI: 10.2298/JSC100619068J; **M23**
- 3.53. M. Z. Stanković, G. P. Radić, V. V. Glođović, I. D. Radojević, O. D. Stefanović, Lj. R. Čomić, O. R. Klisurić, V. M. Đinović and S. R. Trifunović, *Stereospecific ligands and their complexes IX: Synthesis, characterization and antimicrobial activity of ethyl esters of (S,S)-ethylenediamine-N,N'-di-2-propanoic and (S,S)-ethylenediamine-N,N'-di-2-(3-methyl)-butanoic acids and corresponding platinum(IV) complexes: Crystal structure of tetrachloride-(O,O'-diethyl-(S,S)-ethylene-diamine-N,N'-di-2-propanoato)-platinum(IV), [PtCl<sub>4</sub>(det-S,S-eddp)], Polyhedron*, **30(13)** (2011) 2203–2209  
DOI: 10.1016/j.poly.2011.05.034; **M21**
- 3.54. V. V. Glođović, G. P. Radić, S. M. Stanić, F. W. Heinemann and S. R. Trifunović, *Stereospecific ligands and their complexes. VI. The crystal structure of (S,S)-ethylenediamine-N,N'-di-2-propanoic acid hydrochloride, (S,S)-H<sub>2</sub>eddp·HCl, J. Serb. Chem. Soc.* **76(7)** (2011) 995–1001  
DOI: 10.2298/JSC101025088G; **M23**
- 3.55. J. Ž. Milivojević, I. G. Đalović, M. Ž. Jelić, S. R. Trifunović, D. M. Bogdanović, D. S. Milošev, B. D. Nedeljković and D. Đ. Bjelić, *Distribution and forms of manganese in vertisols of Serbia, J. Serb. Chem. Soc.* **76(8)** (2011) 1177–1190  
DOI: 10.2298/JSC101229103M; **M23**
- 3.56. V. M. Leovac, G. A. Bogdanović, Lj. S. Jovanović, Lj. Joksović, V. R. Marković, M. D. Joksović, S. T. Misirlić-Denčić, A. M. Isaković, I. D. Marković, F. W. Heinemann, S. R. Trifunović and I. G. Đalović, *Synthesis, characterization and antitumor activity of polymeric copper(II) complexes with thiosemicarbazones of 3-methyl-5-oxo-1-phenyl-3-pyrazolin-4-carboxaldehyde and 5-oxo-3-phenyl-3-pyrazolin-4-carboxaldehyde, J. Inorg. Biochem.* **105(11)** (2011) 1413–1421  
DOI: 10.1016/j.jinorgbio.2011.07.021; **M21**

- 3.57. J. M. Vujić, G. N. Kaluđerović, M. Z. Milovanović, B. B. Zmejkovski, V. Volarević, D. Živić, P. M. Đurđević, N. N. Arsenijević and S. R. Trifunović, *Stereospecific ligands and their complexes. Part VII. Synthesis, characterization and in vitro antitumoral activity of platinum(II) complexes with O,O'-dialkyl esters of (S,S)-ethylenediamine-N,N'-di-2-(4-methyl)-pentanoic acid*, *Eur. J. Med. Chem.* **46(9)** (2011) 4559-4565  
DOI: 10.1016/j.ejmech.2011.07.034; **M21**
- 3.58. A. B. Miltojević, N. S. Radulović, R. D. Vukićević, S. R. Trifunović and H. Borrmann, *Crystal structure of 3-cyclohexyl-1,3-oxazinan-2-one, C<sub>10</sub>H<sub>17</sub>NO<sub>2</sub>*, *Z. Krist.-New Cryst. St.* **226(4)** (2011) 651-652  
DOI: 10.1524/ncrs.2011.0292; **M23**
- 3.59. D. R. Ilić, J. M. Vujić, I. D. Radojević, O. D. Stefanović, Lj. R. Čomić, D. D. Banković and S. R. Trifunović, *Stereospecific ligands and their complexes, Part VIII: Antimicrobial activity of palladium(II) complexes with O,O'-dialkyl esters of (S,S)-ethylenediamine-N,N'-di-2-(4-methyl)-pentanoic acid*, *Hem. Ind.* **66(3)** (2012) 349-355  
DOI: 10.2298/HEMIND110928096I; **M23**
- 3.60. G. P. Radić, V. V. Glođović, I. D. Radojević, O. D. Stefanović, Lj. R. Čomić, Z. R. Ratković, A. Valkonen, K. Rissanen and S. R. Trifunović, *Synthesis, characterization and antimicrobial activity of palladium(II) complexes with some alkyl derivatives of thiosalicylic acids: Crystal structure of the bis(S-benzyl-thiosalicylate)-palladium(II) complex, [Pd(S-bz-thiosal)<sub>2</sub>]*, *Polyhedron*, **31(1)** (2012) 69-76  
DOI: 10.1016/j.poly.2011.08.042; **M22**
- 3.61. R. M. Ghalib, R. Hashim, O. Sulaiman, S. Hasan Mehdi, A. Valkonen, K. Rissanen, S. R. Trifunović, M. B. Khadeer Ahamed, A. M. Shah Abdul Majid and F. Kawamura, *A novel caryophyllene type sesquiterpene lactone from Asparagus falcatius (Linn.); Structure elucidation and antiangiogenic activity on HUVECs*, *Eur. J. Med. Chem.* **47** (2012) 601-607  
DOI: 10.1016/j.ejmech.2011.10.037; **M21**
- 3.62. J. M. Vujić, G. N. Kaluđerović, B. B. Zmejkovski, M. Z. Milovanović, V. Volarević, N. N. Arsenijević, T. P. Stanojković and S. R. Trifunović, *Stereospecific ligands and their complexes. Part X: Synthesis, characterization and in vitro antitumoral activity of platinum(IV) complexes with O,O'-dialkyl-(S,S)-ethylenediamine-N,N'-di-2-(4-methyl)pentanoate ligands*, *Inorg. Chim. Acta*, **390** (2012) 123-128  
DOI: 10.1016/j.ica.2012.03.048; **M22**

- 3.63. G. P. Radić, V. V. Glođović, I. D. Radojević, O. D. Stefanović, Lj. R. Čomić, V. M. Đinović and S. R. Trifunović,  
*Stereospecific ligands and their complexes. XI. Synthesis, characterization and antimicrobial activity of palladium(II) complexes with some alkyl esters of (S,S)-ethylenediamine-N,N'-di-2-(3-methyl)-butanoic acid*,  
*Inorg. Chim. Acta*, **391** (2012) 44-49  
DOI: 10.1016/j.ica.2012.05.018; **M22**
- 3.64. D. Stojiljković, G. Šekularac, M. Jelić, M. Đurić, S. Komatina-Petrović and S. R. Trifunović,  
*Arsenic levels in groundwater aquifer of the Neoplanta source area*,  
*Afr. J. Biotechnol.* **11(104)** (2012) 16852-16862  
DOI: 10.5897/AJB12.2273; ISSN 1684-5315; **M23**
- 3.65. G. P. Radić, V. V. Glođović, Z. R. Ratković, S.B. Novaković, S. Garcia-Granda, L. Rocés, L. Menéndez-Taboada, I. D. Radojević, O. D. Stefanović, Lj. R. Čomić and S. R. Trifunović,  
*Synthesis, characterization and antimicrobial activity of novel platinum(IV) and palladium(II) complexes with meso-1,2-diphenyl-ethylenediamine-N,N'-di-3-propanoic acid. Crystal structure of H<sub>2</sub>-1,2-dpheddp·2HCl·H<sub>2</sub>O*,  
*J. Mol. Struct.* **1029** (2012) 180-186  
DOI: 10.1016/j.molstruc.2012.07.007; **M23**
- 3.66. J. M. Vujić, S. Garcia-Granda, L. Menéndez-Taboada, S. B. Novaković and S. R. Trifunović,  
*Stereospecific ligands and their complexes. Part XIV. Crystal structure of the O,O'-dipropyl ester of N,N'-1,2-ethanediylbis-L-leucine, dihydrochloride*,  
*J. Serb. Chem. Soc.* **78(1)** (2013) 57-63  
DOI: 10.2298/JSC120208041V; **M23**
- 3.67. V. V. Jevtić, M. S. Pešić, G. P. Radić, N. Vuković, S. B. Sukdolak, O. R. Klisurić, A. M. Podolski-Renić, N. T. Tanić and S. R. Trifunović,  
*Synthesis, characterization and cytotoxicity of a new palladium(II) complex with a coumarin-derived ligand. Crystal structure of 4-hydroxy-3-(1-(p-tolylimino)ethyl)-2H-chromen-2-one-palladium(II) complex*,  
*J. Mol. Struct.* **1040** (2013) 216-220  
DOI: 10.1016/j.molstruc.2013.03.013; **M23**
- 3.68. D. P. Dimitrijević, S. B. Novaković, G. P. Radić, V. V. Jevtić, L. Menéndez-Taboada, S. Garcia-Granda, S. R. Trifunović,  
*Synthesis, characterization and crystal structure of butyl N-(3-chloropropyl)-(2S)-alaninate hydrochloride*,  
*J. Serb. Chem. Soc.* **78(10)** (2013) 1531-1537  
DOI: 10.2298/JSC130214054D; **M23**

- 3.69. S. R. Trifunović, V. D. Miletić, V. V. Jevtić, A. Meetsma, Z. D. Matović,  
*Nickel(II) in chelate N<sub>2</sub>O<sub>2</sub> environment. DFT approach and in-depth molecular orbital and configurational analysis,*  
*Dalton T.* **42(37)** (2013) 13357-13368  
DOI: 10.1039/c3dt51099a; **M21**
- 3.70. D. P. Dimitrijević, V. V. Glođović, G. P. Radić, S. Garcia-Granda, L. Menéndez-Taboada, M. Z. Milovanović, V. Volarević, N. N. Arsenijević, G. A. Bogdanović and S. R. Trifunović,  
*Stereospecific ligands and their complexes. Part XV. Synthesis, characterization and cytotoxicity of novel platinum(IV) complexes with some esters of ethylenediamine-N,N'-di-S,S-(2,2'-dibenzyl)acetic acid. Crystal structure of O,O'-dipropyl-ethylenediamine-N,N'-di-S,S-(2,2'-dibenzyl)acetate dihydrochloride,*  
*Inorg. Chim. Acta,* **402** (2013) 83-89  
DOI: 10.1016/j.ica.2013.03.039; **M22**
- 3.71. D. R. Ilić, V. V. Jevtić, I. D. Radojević, S. M. Vasić, O. D. Stefanović, Lj. R. Čomić, M. M. Vasojević, M. Ž. Jelić, T. V. Koval'chuk, N. V. Loginova and S. R. Trifunović,  
*Stereospecific ligands and their complexes. Part XIX. Synthesis, characterization, circular dichroism and antimicrobial activity of oxalato and malonato-(S,S)-ethylenediamine-N,N'-di-2-(3-methyl)butanoato-chromate(III) complexes,*  
*J. Mol. Struct.* **1050** (2013) 133-139  
DOI: 10.1016/j.molstruc.2013.07.022; ISSN 0022-2860; **M23**
- 3.72. V. Volarević, J. M. Vujić, M. Z. Milovanović, T. V. Kanjevac, A. Volarević, S. R. Trifunović and N. N. Arsenijević,  
*Cytotoxic effects of palladium(II) and platinum(II) complexes with O,O'-dialkyl esters of (S,S)-ethylenediamine-N,N'-di-2-(4-methyl) pentanoic acid on human colon cancer cell lines,*  
*J. Buon,* **18(1)** (2013) 131-137  
ISSN 1107-0625; **M23**
- 3.73. S. R. Trifunović, D. Bulatović, N. Latinović and Z. Leka,  
*The influence of a newly synthesized Iron(II) dithiocarbamate complex on Fungi Phomopsis viticola and Wilsonomyces carpophilus,*  
*Res. J. Chem. Environ.* **17(8)** (2013) 47-51  
ISSN: 0972-0626; **M23**
- 3.74. D. R. Ilić, V. V. Jevtić, G. P. Radić, K. Arsikin, B. Z. Ristić, Lj. Harhaji-Trajković, N. Vuković, S. B. Sukdolak, O. R. Klisurić, V. S. Trajković and S. R. Trifunović,  
*Synthesis, characterization and cytotoxicity of a new palladium(II) complex with a coumarine-derived ligand,*  
*Eur. J. Med. Chem.* **74** (2014) 502-508  
DOI: 10.1016/j.ejmech.2013.12.051; **M21**



- 3.75. D. Lj. Stojković, V. V. Jevtić, G. P. Radić, D. S. Đačić, M. G. Ćurčić, S. D. Marković, V. M. Đinović, V. P. Petrović and S. R. Trifunović,  
*Stereospecific ligands and their complexes. Part XII. Synthesis, characterization and in vitro antiproliferative activity of platinum(IV) complexes with some O,O'-dialkyl esters of (S,S)-ethylenediamine-N,N'-di-2-propanoic acid against colon cancer (HCT-116) and breast cancer (MDA-MB-231) cell lines,*  
*J. Mol. Struct.* **1062** (2014) 21-28  
DOI: 10.1016/j.molstruc.2014.01.020; **M23**
- 3.76. D. Lj. Stojković, V. V. Jevtić, G. P. Radić, I. Potočňák, S. R. Trifunović,  
*Stereospecific ligands and their complexes. Part XVII. Synthesis and characterization of ethylenediamine-N,N'-di-S,S-2-(3-methyl)butanoic acid and its platinum(IV) complex with bromido ligands. Crystal structure of s-cis-[PtBr<sub>2</sub>(S,S-eddv)]·H<sub>2</sub>O,*  
*J. Mol. Struct.* **1065-1066** (2014) 16-20  
DOI: 10.1016/j.molstruc.2014.02.030; **M23**
- 3.77. V. V. Jevtić, G. P. Radić, D. S. Šeklić, M. N. Živanović, S. D. Marković and S. R. Trifunović,  
*Part XVI - Stereospecific ligands and their complexes: Synthesis, characterization and In Vitro antiproliferative activity of new platinum(IV) complexes with some O,O'-dialkyl esters of (S,S)-ethylenediamine-N,N'-di-2-propanoic acid against breast cancer (MDA-MB-231) and colon cancer (HCT-116 and SW-480) cell lines,*  
*Maced. J. Chem. Chem. En.* **33 (1)** (2014) 53-58  
DOI: 10.20450/mjce.2014.148; **M23**
- 3.78. N. D. Pantelić, B. B. Zmejkovski, T. P. Stanojković, V. V. Jevtić, G. P. Radić, S. R. Trifunović, G. N. Kaluđerović and T. J. Sabo,  
*Synthesis and high in vitro cytotoxicity of some (S,S)-ethylenediamine-N,N'-di-2-propanoate dihydrochloride esters,*  
*J. Serb. Chem. Soc.* **79(6)** (2014) 649-658  
DOI: 10.2298/JSC130512022P; **M23**
- 3.79. D. P. Dimitrijević, G. P. Radić, V. V. Jevtić, M. M. Mišić, D. D. Baskić and S. R. Trifunović,  
*Stereospecific ligands and their complexes. XX. Synthesis, characterization and antimicrobial activity of palladium(II) complexes with some alkyl esters of ethylenediamine-N,N'-di-S,S-(2,2'-dibenzyl)acetic acid,*  
*J. Mol. Struct.* **1071** (2014) 128-132  
DOI: 10.1016/j.molstruc.2014.05.008; **M23**

- 3.80. M. V. Nikolić, M. Ž. Mijajlović, V. V. Jevtić, Z. R. Ratković, I. D. Radojević, Lj. R. Čomić, S. B. Novaković, G. A. Bogdanović, S. R. Trifunović and G. P. Radić, *Synthesis, characterization and antimicrobial activity of copper(II) complexes with some S-alkyl derivatives of thiosalicylic acid. Crystal structure of the binuclear copper(II) complex with S-methyl derivative of thiosalicylic acid*, *Polihedron*, **79** (2014) 80-87  
DOI: 10.1016/j.poly.2014.04.053; **M22**
- 3.81. D. R. Ilić, V. V. Jevtić, M. M. Vasojević, M. Ž. Jelić, I. D. Radojević, Lj. R. Čomić, S. B. Novaković, G. A. Bogdanović, I. Potočňák and S. R. Trifunović, *Stereospecific ligands and their complexes. Part XXI. Synthesis, characterization, circular dichroism and antimicrobial activity of cobalt(III) complexes with some edda-type of ligands. Crystal structure of potassium-Δ(-)-589-s-cis-oxalato-(S,S)-ethylenediamine-N,N'-di-(2-propanoato)-cobaltate(III)-semihydrate*, *K-Δ(-)-589-s-cis-[Co(S,S-eddp)(ox)]·0.5H<sub>2</sub>O*, *Polihedron*, **85** (2015) 1-9  
DOI: 10.1016/j.poly.2014.08.013; **M22**
- 3.82. D. Lj. Stojković, V. V. Jevtić, G. P. Radić, D. V. Todorović, M. Petrović, M. M. Zarić, I. S. Nikolić, D. D. Baskić and S. R. Trifunović, *Stereospecific ligands and their complexes. XXII. Synthesis and antitumor activity of palladium(II) complexes with some esters of (S,S)-ethylenediamine-N,N'-di-(2,2'-di(4-hydroxy-benzyl))-acetic acid*, *J. Inorg. Biochem.* **143** (2015) 111-116  
DOI: 10.1016/j.jinorgbio.2014.12.001; **M21**
- 3.83. G. Benaiche, N. Belattar, S. R. Trifunović, N. Vuković, D. Todorović, M. Todorović, D. Baskić and M. D. Vukić, *Isolation of Alkaloids and Anti-tumor Activity of the Crude Methanolic Extract of Algerian Cytusis purgans*, *Oriental J. Chem.*, **31(4)** (2015) 1943-1948  
DOI: 10.13005/ojc/310411; **M22**
- 3.84. M. Ž. Mijajlović, M. V. Nikolić, V. V. Jevtić, Z. R. Ratković, B. J. Simović-Marković, V. Volarević, N. N. Arsenijević, S. B. Novaković, G. A. Bogdanović, S. R. Trifunović and G. P. Radić, *Cytotoxicity of palladium(II) complexes with some alkyl derivatives of thiosalicylic acid. Crystal structure of the bis(S-butyl-thiosalicylate)-palladium(II) complex, [Pd(S-bu-thiosal)<sub>2</sub>]*, *Polihedron*, **90** (2015) 34-40  
DOI: 10.1016/j.poly.2015.01.041; **M22**

- 3.85. I. Potočňák, P. Vranec, V. Farkasová, D. Sabolová, M. Vataščinová, J. Kudláčová, I. D. Radojević, Lj. R. Čomić, B. J. Simović-Marković, V. Volarević, N. N. Arsenijević and S. R. Trifunović,  
*Low-dimensional compounds containing bioactive ligands. Part VI: Synthesis, structures, in vitro DNA binding, antimicrobial and anticancer properties of first row transition metal complexes with 5-chloro-quinolin-8-ol,*  
*J. Inorg. Biochem.* **154** (2016) 67-77  
DOI: 10.1016/j.ica.2015.12.001; **M21**
- 3.86. V. V. Jevtić, G. P. Radić, O. D. Stefanović, I. D. Radojević, S. M. Vasić, Lj. R. Čomić, V. M. Đinović and S. R. Trifunović,  
*Part XXIII. Synthesis and characterization of platinum(IV) complexes with O,O'-dialkyl esters of (S,S)-ethylenediamine-N,N'-di-2-(3-methyl)butanoic acid and bromido ligands. Antimicrobial, antibiofilm and antioxidant screening,*  
*Inorg. Chim. Acta,* **442** (2016) 105-110  
DOI: 10.1016/j.ica.2015.12.001; **M22**
- 3.87. M. V. Nikolić, M. Ž. Mijajlović, V. V. Jevtić, Z. R. Ratković, S. B. Novaković, G. A. Bogdanović, J. Milovanović, A. N. Arsenijević, B. Stojanović, S. R. Trifunović and G. P. Radić,  
*Cytotoxicity of copper(II)-complexes with some S-alkyl derivatives of thiosalicylic acid. Crystal structure of the binuclear copper(II)-complex with S-ethyl derivative of thiosalicylic acid,*  
*J. Mol. Struct.* **1116** (2016) 264-271  
DOI: 10.1016/j.molstruc.2016.03.058; **M23**
- 3.88. M. Ž. Mijajlović, M. V. Nikolić, V. V. Jevtić, Z. R. Ratković, J. Milovanović, A. N. Arsenijević, B. Stojanović, S. B. Novaković, G. A. Bogdanović, S. R. Trifunović and G. P. Radić,  
*Cytotoxicity of platinum(IV) and palladium(II) complexes with meso-1,2-diphenyl-ethylenediamine-N,N'-di-3-propanoic acid. Crystal structure of [Pd(1,2-Dpheddp)] complex,*  
*Maced. J. Chem. Chem. En.* **35(1)** (2016) 79-86  
DOI:10.20450/mjccce.2016.729; **M23**
- 3.89. D. Lj. Stojković, A. Bacchi, D. Capucci, M. R. Milenković, B. R. Čobeljić, S. R. Trifunović, K. K. Anđelković, V. V. Jevtić, N. Vuković, M. D. Vukić and D. M. Sladić,  
*Synthesis and characterization of palladium(II) complexes with glycine coumarin derivatives,*  
*J. Serb. Chem. Soc.* **81(12)** (2016) 1383-1389  
DOI: 10.2298/JSC160915087S; **M23**

- 3.90. A. M. Bukonjić, D. Lj. Tomović, M. V. Nikolić, M. Ž. Mijajlović, V. V. Jevtić, Z. R. Ratković, S. B. Novaković, G. A. Bogdanović, I. D. Radojević, J. M. Maksimović, S. M. Vasić, Lj. R. Čomić, S. R. Trifunović and G. P. Radić, *Antibacterial, antibiofilm and antioxidant screening of copper(II)-complexes with some S-alkyl derivatives of thiosalicylic acid. Crystal structure of the binuclear copper(II)-complex with S-propyl derivative of thiosalicylic acid*, *J. Mol. Struct.* **1128** (2017) 330-337  
DOI: 10.1016/j.molstruc.2016.08.086; **M23**
- 3.91. R. M. Ghalib, R. Hashim, O. Sulaiman, A. Jawad, S. Hasan Mehdi, G. A. Bogdanović, S. R. Trifunović, F. Kawamura, M. B. Khadeer Ahamed and A. M. Shah Abdul Majid, *Green Synthesis of Novel Class of Benzazocine Derivatives, their Crystal Structures and Anticancer Activity*, *Curr. Org. Synth.* **14(1)** (2017) 127-136  
DOI: 10.2174/1570179413666151218201848; **M22**
- 3.92. N. D. Pantelić, B. B. Zmejkovski, B. S. Kolundžija, M. Đorđić-Crnogorac, J. M. Vujić, B. P. Dojčinović, S. R. Trifunović, T. P. Stanojković, T. J. Sabo and G. N. Kaluđerović, *In vitro antitumor activity, metal uptake and reactivity with ascorbic acid and BSA of some gold(III) complexes with N,N'-ethylenediamine bidentate ester ligands*, *J. Inorg. Biochem.* **172** (2017) 55-66  
DOI: 10.1016/j.jinorgbio.2017.04.001; **M21**
- 3.93. D. Lj. Stojković, V. V. Jevtić, N. Vuković, M. D. Vukić, I. Potočňák, I. R. Zelen, M. M. Zarić, M. M. Mišić, D. D. Baskić, G. N. Kaluđerović and S. R. Trifunović, *Crystal and molecular structure of a new palladium(II) complex with a coumarin-valine derivate*, *J. Struct. Chem.* **58(3)** (2017) 550-557  
DOI: 10.1134/S0022476617030179; **M23**
- 3.94. D. Lj. Tomović, A. M. Bukonjić, A. Kočović, M. V. Nikolić, M. Ž. Mijajlović, V. V. Jevtić, Z. R. Ratković, A. N. Arsenijević, J. Z. Milovanović, B. Stojanović, S. R. Trifunović and G. P. Radić, *Synthesis, characterization, and cytotoxicity of binuclear copper(II)-complexes with some S-alkenyl derivatives of thiosalicylic acid*, *Ser. J. Exp. Clin. Res.* **18(1)** (2017) 13-18  
DOI: 10.1515/sjecr-2016-0071
- 3.95. M. V. Nikolić, M. Ž. Mijajlović, D. Lj. Tomović, A. M. Bukonjić, V. V. Jevtić, Z. R. Ratković, S. R. Trifunović and G. P. Radić, *Synthesis and characterization of zinc(II)-complexes with S-alkyl derivatives of thiosalicylic acid*, *Ser. J. Exp. Clin. Res.* **1(1)** (2017)  
DOI: 10.1515/SJECR-2017-0005

- 3.96. M. Ž. Mijajlović, M. V. Nikolić, D. Lj. Tomović, A. M. Bukonjić, A. Kocović, V. V. Jevtić, Z. R. Ratković, O. R. Klisurić, S. R. Trifunović and G. P. Radić, *Synthesis and characterization of platinum (IV) complexes with S-alkyl derivatives of thiosalicylic acid and the crystal structure of the S-butyl derivative of thiosalicylic Acid*, *Ser. J. Exp. Clin. Res.* **18(3)** (2017) 195-201  
DOI: 10.1515/sjecr-2016-0094
- 3.97. V. Veličković, S. Đurović, M. M. Radojković, A. D. Cvetanović, J. V. Švarc-Gajić, J. M. Vujić, S. R. Trifunović and P. Z. Mašković, *Application of conventional and non-conventional extraction approaches for extraction of Erica carnea L.: Chemical profile and biological activity of obtained extracts*, *J. Supercrit. Fluid.* **128** (2017) 331-337  
DOI: 10.1016/j.supflu.2017.03.023; **M21**
- 3.98. E. H. Avdović, D. A. Milenković, J. M. Dimitrić-Marković, N. Vuković, S. R. Trifunović and Z. S. Marković, *Structural, spectral and NBO analysis of 3-(1-(3-hydroxypropylamino)ethylidene) chroman-2,4-dione*, *J. Mol. Struct.* **1147** (2017) 69-75  
DOI: 10.1016/j.molstruc.2017.06.094; **M23**
- 3.99. E. H. Avdović, D. Lj. Stojković, V. V. Jevtić, M. Kosić, B. Z. Ristić, Lj. M. Harhaji-Trajković, M. D. Vukić, N. Vuković, Z. S. Marković, I. Potočňák and S. R. Trifunović, *Synthesis, characterization and cytotoxicity of a new palladium(II) complex with a coumarin-derived ligand 3-(1-(3-hydroxypropylamino) ethylidene) chroman-2,4-dione. Crystal structure of the 3-(1-(3-hydroxypropylamino) ethylidene)-chroman-2,4-dione*, *Inorg. Chim. Acta*, **466** (2017) 188-196  
DOI: 10.1016/j.ica.2017.06.015; **M22**
- 3.100. O. D. Stefanović, I. D. Radojević, Lj. R. Čomić, V. V. Jevtić, G. P. Radić and S. R. Trifunović, *Antioxidant and antimicrobial screening of some dialkyl esters of ethylenediamine-N,N'-di-S,S-(2,2'-dibenzyl)acetic acid and their platinum(IV) complexes*, *Oxidation Communications*, **40(3)** (2017) 1070-1080
- 3.101. D. A. Milenković, E. H. Avdović, D. S. Dimić, Z. Bajin, B. M. Ristić, N. Vuković, S. R. Trifunović and Z. S. Marković, *Reactivity of the coumarine derivative towards cartilage proteins: combined NBO, QTAIM, and molecular docking study*, *Monatsh. Chem.* **149** (2018) 159-166  
DOI: 10.1007/s00706-017-2051-4; **M23**

- 3.102. D. Lj. Stojković, V. V. Jevtić, N. Vuković, M. D. Vukić, P. Čanović, M. M. Zarić, M. M. Mišić, D. M. Radovanović, D. Baskić and S. R. Trifunović, *Synthesis, characterization, antimicrobial and antitumor reactivity of new palladium(II) complexes with methionine and tryptophane coumarine derivatives*, *J. Mol. Struct.* **1157** (2018) 425-433; **M23**
- 3.103. D. Lj. Tomović, A. M. Bukonjić, V. V. Jevtić, Z. R. Ratković, J. V. Bogojeski, A. Đeković, I. D. Radojević, Lj. R. Čomić, S. B. Novaković, G. A. Bogdanović, S. R. Trifunović, G. P. Radić and S. M. Cupara, *DNA binding, antibacterial and antifungal activities of copper(II) complexes with some S-alkenyl derivatives of thiosalicylic acid*, *Transit. Metal Chem.* (2018)  
DOI: 10.1007/s11243-018-0201-0

#### **4. Scientific communications presented on international conferences**

- 4.1. S. Utsuno, C. Maricondi, D. J. Radanović, S. R. Trifunović and B. E. Douglas, *The Stereochemistry of Cobalt(III) Complexes of ed3a and Substituted ed3a Using NMR Spectroscopy*, Proceedings of the XXIII International Conference on Coordination Chemistry, Boulder, Colorado, 1984, p.229.
- 4.2. D. J. Radanović, S. R. Trifunović and B. E. Douglas, *Circular Dichroism of the Hexadentate Cobalt(III) Complexes of 1,3-propanediamine-N,N'-diacetic-N,N'-di-3-propionic Acid*, XXVI International Conference on Coordination Chemistry, Porto, 1988, B138.
- 4.3. G. Ponticelli, Z. D. Matović, S. R. Trifunović and I. A. Efimenko, *Synthesis and Characterization of Rhodium(III) Complexes with Substituted Imidazole and Pyrimidine*, XXII Cingresso Nazionale di Chimica Inorganica, Cagliari, 1993, IM17, p.250.
- 4.4. T. J. Sabo, S. R. Grgurić, S. R. Trifunović and Ž. Lj. Tešić, *Mixed-ligand complexes of cobalt(III) with symmetrical  $\beta$ -diketonato and ethylenediamine-N,N'-di-3-propionato ligands*, The 32<sup>th</sup> International Conference on Coordination Chemistry, Santijago de Chile, 1997, P72.
- 4.5. T. J. Sabo, Z. Marković, K. Anđelković and S. R. Trifunović, *Synthesis and characterization of Zn(II) and Cd(II) complexes with the new polidentate dithiocarbamate ligand 3-dithiocarboxy-3-aza-5-aminopentanoate*, 1<sup>st</sup> International Conference of the Chemical Societies of the South-East European Countries, Halkidiki (Greece), 1998, PO123.

- 4.6. S. A. Grujić, N. Vučković, T. J. Sabo, Ž. Lj. Tešić and S. R. Trifunović,  
*Synthesis and characterization of uns-cis-(1,3-propanediamine-N,N'-diacetato)cobalt(III) complexes with some symmetrical acetates*,  
1<sup>st</sup> International Conference of the Chemical Societies of the South-East European Countries, Halkidiki (Greece), 1998, PO48.
- 4.7. J. Dišić, S. R. Trifunović, S. A. Grujić and P. Đurđević,  
*Stabilities of complex formation between ethylenediamine-N,N'-di-3-propionic acid and some titration metals ions*,  
1<sup>st</sup> International Conference of the Chemical Societies of the South-East European Countries, Halkidiki (Greece), 1998, PO27.
- 4.8. J. Dišić, T. J. Sabo and S. R. Trifunović,  
*Preparation and characterization of facial and meridional isomers of uns-cis-(ethylenediamine-N,N'-di-3-propionato)cobalt(III) complexes with some substituted aliphatic  $\alpha$ -S-amino-acids*,  
1<sup>st</sup> International Conference of the Chemical Societies of the South-East European Countries, Halkidiki (Greece), 1998, PO28.
- 4.9. Ž. Lj. Tešić, S. R. Trifunović, T. J. Sabo and D.M. Milojković-Opsenica,  
*SOTLC of facial and meridional isomers of some amino-carboxylato Co(III) complexes*,  
1<sup>st</sup> International Conference of the Chemical Societies of the South-East European Countries, Halkidiki (Greece), 1998, PO568.
- 4.10. Z. Marković, Ž. Lj. Tešić, T. J. Sabo and S. R. Trifunović,  
*Sinteza i karakterizacija Pt(II) i Pd(II) kompleksa sa novim polidentatnim ditiokarbamatnim ligandom, 3-ditiokarboksi-3-aza-5-aminopentanoatom*,  
VI Savetovanje hemičara i tehnologa Republike Srpske, Banja Luka, 1998, p. 21.
- 4.11. T. J. Sabo, S. R. Grgurić and S. R. Trifunović,  
*Preparation and characterization of facial and meridional isomers of uns-cis-(ethylenediamine-N,N'-di-3-propionato)cobalt(III) complexes with some aliphatic  $\alpha$ -S-amino-acids*,  
XXXIII International Conference on Coordination Chemistry, Florence, Italy, 1998, p.709.
- 4.12. Ž. Lj. Tešić, T. J. Sabo, S. R. Trifunović and D. M. Milojković-Opsenica,  
*TLC of facial and meridional isomers of Co(III) and Cr(III) complexes on polyacrylonitrile sorbant*,  
22<sup>nd</sup> International Symposium on Chromatography, Roma (Italy), 1998, p. 423.
- 4.13. Z. Marković, Ž. Lj. Tešić, T. J. Sabo, V. Asanović and S. R. Trifunović,  
*Preparation and properties of complexes Pt(II) and Pd(II) with N-dithiocarboxy-iminodiacetic acid (idadc) as ligand*,  
2<sup>nd</sup> International Conference on "Chemical Science for Sustainable development",  
Halkidiki, Greece, June 2000, Book of Abstracts, Vol.1, p. 242.

- 4.14. V. V. Glođović, S. A. Grujić, M. D. Joksović and S. R. Trifunović,  
*The S,S'- ethylenediamine-N,N'-di-2-propionato-cobalt(III) complexes of CoN<sub>2</sub>O<sub>4</sub>-type,*  
3rd International Conference of the Chemical Societies of the South-Eastern European  
Countries, Bucharest, Romania, 2002, PO556, p. 333.
- 4.15. V. V. Glođović, S. A. Grujić, M. D. Joksović and S. R. Trifunović,  
*The configuration of chelated S,S'-ethylenediamine-N,N'-di-2-propionate in CrN<sub>2</sub>O<sub>4</sub>-type,*  
3rd International Conference of the Chemical Societies of the South-Eastern European  
Countries, Bucharest, Romania, 2002, PO557, p.334.
- 4.16. G. N. Kaludjerović, N. Ž. Knežević, S. R. Trifunović, F. W. Heinmann, M. Moll and  
T. J. Sabo,  
*Crystal structure of (ethylenediammonium-N,N'-di-3-propanoic acid)- tetrachloropalladate(II)  
complex,*  
XXXVth International Conference on Coordination Chemistry, Heidelberg (Deutschland),  
2002, P1.066.
- 4.17. S. R. Trifunović, R. D. Vukićević, Z. R. Ratković, V. V. Glođović,  
*Palladium(II) complexes with S-substitued mercaptoacids,*  
4<sup>th</sup> International Conference of the Chemical Societies of the South-Eastern European  
Countries, Belgrade 2004, GT-P29, p. 64.
- 4.18. V. V. Glođović and S. R. Trifunović,  
*Spectral properties of some [Co(S,S-eddp)L] complexes,*  
18<sup>th</sup> Congress of Chemists and Technologists of Macedonia, Ohrid 2004, OCB-9, p.164.
- 4.19. Z. B. Leka, S. R. Lukić, S. J. Skuban, S. R. Trifunović and V. Leovac,  
*Spectral Characterization of New Dithiocarbamato Ligands and Complexes with Cu(II),  
Ni(II), Pt(II) and Pd(II),*  
4<sup>th</sup> International Conference of the Chemical Societies of the South-Eastern European  
Countries, Belgrade 2004, GT-P35
- 4.20. S. R. Trifunović, G. P. Vasić, V. V. Glođović and V. M. Đinović,  
*Synthesis and characterization of the ruthenium(III) complex with ethylenediamine-N,N'-  
di-S,S-2-propionate ligand,*  
37th International Conference of Coordination Chemistry, Cape Town, South Africa,  
2006, p. 592.
- 4.21. V. V. Glođović, G. P. Vasić, and V. M. Đinović and S. R. Trifunović,  
*Synthesis and characterization of the platinum(II) complex with ethylenediamine-N,N'-  
-di-S,S-2-propionate ligand,*  
5<sup>th</sup> International Conference of the Chemical Societies of the South-Eastern European  
Countries, Ohrid, 2006, ICH-13, p. 313.



- 4.22. G. P. Vasić, V. V. Glođović, V. M. Đinović and S. R. Trifunović,  
*Synthesis and characterization of the platinum(III) complex with (S,S)-ethylenediamine-N,N'-(4,4-dimethyl)-2,2-di-pentanoate ligand*,  
5<sup>th</sup> International Conference of the Chemical Societies of the South-Eastern European Countries, Ohrid, 2006, OCH-64, p. 488.
- 4.23. M. D. Stojanović, G. N. Kaluđerović, S. R. Trifunović and T. J. Sabo,  
*Novel complex of platinum(IV) with branch-chained ester of ethylenediamine-N,N'-di-S,S-3-propanoic acid*,  
5<sup>th</sup> International Conference of the Chemical Societies of the South-Eastern European Countries, Ohrid, 2006, ICH-29, p.329.
- 4.24. V. V. Glođović, G. P. Vasić, S. R. Trifunović, V. M. Đinović and T. J. Sabo,  
*Novel complex of platinum(IV) with ethyl ester of ethylenediamine-N,N'-di-S,S-2-propionic acid*,  
6<sup>th</sup> International Conference of the Chemical Societies of the South-Eastern European Countries, Sofia, 2008, 3-P25, p.166.
- 4.25. G. P. Vasić, V. V. Glođović, Z. R. Ratković and S. R. Trifunović,  
*Synthesis and characterization of meso-1,2-diphenyl-ethylenediamine-N,N'-di-3-propionic acid and corresponding platinum(IV) complex*,  
6<sup>th</sup> International Conference of the Chemical Societies of the South-Eastern European Countries, Sofia 2008, 3-P42, p.183.
- 4.26. J. M. Vujić, B. B. Krajčinović, T. J. Sabo and S. R. Trifunović,  
*Synthesis and characterisation of the platinum(II) complex with O,O'-dipropyl-ethylenediamine-N,N'-di-(S,S)-2(4-methyl)-pentanoate ligand*,  
Sixth International Conference of the Chemical Societies of the South-Eastern European Countries, Bulgaria, 2008. p.333.
- 4.27. J. M. Vujić, M. Milovanović, V. Volarević, N. N. Arsenijević, M. Cvijović and S. R. Trifunović,  
*Synthesis, characterisation and antitumoral activity of the platinum(II) complexes with O,O'-diethyl-ethylenediamine-N,N'-di-(S,S)-2(4-methyl)-pentanoate ligand*,  
Eleventh Annual Conference YUKOMAT 2009, Herceg Novi, 2009, p. 191.
- 4.28. G. P. Radić, V. V. Glođović, I. D. Radojević, O. D. Stefanović, Lj. R. Čomić, V. M. Đinović and S. R. Trifunović,  
*Synthesis, characterization and antimicrobial activity of palladium(II) complexes with some alkyl esters of (S,S)-ethylenediamine-N,N'-di-2-propanoic acid*,  
EUROBIC 10, Thessaloniki, Greece, 2010, PO-085
- 4.29. G. P. Radić, V.V. Glođović, Z. R. Ratković, M. Milovanović, V. Volarević, N. N. Arsenijević and S. R. Trifunović,  
*Antitumor activity of platinum(IV) and palladium(II) complexes with tetradentate ligand 1,2-diphenyl-ethylenediamine-N,N'-di-3-propanoic acid*,  
EUROBIC 10, 2 Thessaloniki, Greece, 2010, PO-207

- 4.30. I. D. Radojević, Lj. R. Čomić, O. D. Stefanović, V. V. Glođović, G. P. Radić and S. R. Trifunović,  
*Antimicrobial activity ligands and their corresponding palladium(II) complexes against Aspergillus species,*  
International Conference on Antimicrobial Research, Valladolid, Spain, 2010, p.475.
- 4.31. J. M. Vujić, D. P. Dimitrijević, M. Milovanović, V. Volarević, N. N. Arsenijević and S.R. Trifunović,  
*Antitumor activity of palladium(II) complexes with O,O'-diallyl-ethylenediamine-N,N'-di-(S,S)-2-(4-methyl)-pentanoate ligand,*  
7th International Conference of the Chemical Societies of the South-Eastern European Countries Romania, 2010, p.189.
- 4.32. J. M. Vujić, M. Milovanović, V. Volarević, N. N. Arsenijević and S.R. Trifunović,  
*Antitumor activity of platinum(II) complex with O,O'-dipentyl-ethylenediamine-N,N'-di-(S,S)-2-(4-methyl)-pentanoate ligand,*  
7th International Conference of the Chemical Societies of the South-Eastern European Countries, Romania, 2010, p.190.
- 4.33. J. M. Vujić, M. Milovanović, V. Volarević, N. N. Arsenijević and S.R. Trifunović,  
*Synthesis, characterization and antitumoral activity of the platinum(II) complex with O,O'-dibutyl-ethylenediamine-N,N'-di-(S,S)-2(4-methyl)-pentanoate ligand,*  
7th International Conference on Nanosciences and Nanotechnologies-NN10, Ouranopolis Halkidiki, 2010, p.208.
- 4.34. M. Z. Stanković, G. P. Radić, V. V. Glođović, I. D. Radojević, O. D. Stefanović, Lj. R. Čomić and S. R. Trifunović,  
*Antimicrobial activity of ethyl esters of (S,S)-ethylenediamine-N,N'-di-2-propanoic and (S,S)-ethylenediamine-N,N'-di-2-(3-methyl)-butanoic acids and corresponding platinum(IV) complexes,*  
Preclinical Testing of Active Substances and Cancer Research with International Symposium on Anti-cancer Agents, Cardiotoxicity and Neurotoxicity, Kragujevac, 2011, p.9.
- 4.35. I. D. Radojević, O. D. Stefanović, G. P. Radić, V. V. Glođović, Lj. R. Čomić and S. R. Trifunović,  
*In vitro antimicrobial activity of novel platinum(IV) and palladium(II) complexes with 1,2-diphenyl-ethylenediamine-N,N'-di-3-propanoic acid,*  
Preclinical Testing of Active Substances and Cancer Research with International Symposium on Anti-cancer Agents, Cardiotoxicity and Neurotoxicity, Kragujevac, 2011, p.10.

- 4.36. D. S. Đačić, D. Cvetković, V. V. Glođović, G. P. Radić, S. R. Trifunović and S. D. Marković,  
*The antiproliferative effects of cisplatin and buthyl and pentyl esters of (S,S)-ethylenediamine-N,N'-di-2-propanoic acid and corresponding platinum(IV) complexes,*  
Preclinical Testing of Active Substances and Cancer Research with International Symposium on Anti-cancer Agents, Cardiotoxicity and Neurotoxicity, Kragujevac, 2011, p. 12.
- 4.37. J. M. Vujić, G. N. Kaluđerović, B. B. Zmejkovski, M. Milovanović, V. Volarević, N. N. Arsenijević and S.R. Trifunović,  
*In vitro antitumoral activity of platinum(IV) complex with O,O'-dipropyl-(S,S)-ethylenediamine-N,N'-di-2-(4-methyl)pentanoate ligand,*  
Thirteenth Annual Conference YUKOMAT 2011, Herceg-Novi, 2011, p. 159.
- 4.38. J. M. Vujić, D. R. Ilić, I. D. Radojević, O. D. Stefanović, Lj. R. Čomić, D. D. Banković and S.R. Trifunović,  
*Antimicrobial activity of palladium(II) complexes with O,O'-dialkyl esters of (S,S)-ethylenediamine-N,N'-di-2-(4-methyl)-pentanoic acid,*  
VII International Conference on Mechanochemistry and Mechanical Alloying, INCOME 2011, Herceg Novi, August 31-September 3, 2011
- 4.39. J. M. Vujić, M. Milovanović, V. Volarević, N. N. Arsenijević and S. R. Trifunović,  
*Antitumoral activity of platinum(IV) complexe with O,O'-diethyl ester of (S,S)-ethylenediamine-N,N'-di-2-(4-methyl)-pentanoic acid dihydrochloride,*  
Preclinical Testing of Active Substances and Cancer Research with International Symposium on Anti-cancer Agents, Cardiotoxicity and Neurotoxicity, Kragujevac, 2011, p. 54.
- 4.40. V. V. Glođović, G. P. Radić, I. D. Radojević, O. D. Stefanović, Lj. R. Čomić and S. R. Trifunović,  
*Synthesis, characterization and antimicrobial activity of palladium(II) complexes with some alkyl esters of (S,S)-ethylenediamine-N,N'-di-2-(3-methyl)-butanoic acid,*  
EuCheMS Chemistry Congress, Prague, Czech Republic, Chem. Listy 106, 2012, p.s950.
- 4.41. G. P. Radić, D. Lj. Tomović, A. M. Bukonjić, A. Stanković, V. V. Jevtić, Z. R. Ratković, J. Bogojeski, I. D. Radojević, Lj. R. Čomić and S. R. Trifunović,  
*Antimicrobial activity of copper(II)-complexes with some S-alkenyl derivatives of thiosalicylic acid,*  
International symposium on Bioorganic Chemistry (ISBOC-11), Konstanz, Germany, 2017, p.150.

## 5. Scientific communications presented on domestic conferences

- 5.1. D. J. Radanović, S. R. Trifunović i S. A. Grujić,  
*Sinteza i geometrijski izomerizam nekih etilen-diamin-N,N'-diacetato(EDDA) i trimetilen-diamin-N,N'-diacetato (TMDDA) hrom(III) kompleksa,*  
Sinopsisi VI Sastanka kemičara Hrvatske, Zagreb, 1979, str.182.
- 5.2. D. J. Radanović i S. R. Trifunović,  
*Cirkularni dihroizam uns-cis-izomera hrom(III)-kompleksa trimetilen-diamin-N,N'-disirćetne kiseline sa oksalatnim li malonatnim anjonom,*  
Sinopsisi VII Sastanka kemičara Hrvatske, Zagreb, 1981, str.78.
- 5.3. D. J. Radanović, S. R. Trifunović i M. I. Đuran,  
*Sinteza i razlaganje cis-ekvatorijalnog izomera kalijum-cijano-(etilen-diamin-N,N,N'-triacetato)-kobaltat(III) kompleksa,*  
XXV Savetovanje hemičara SR Srbije, Beograd, 1983, *Glasnik Hem. društva Beograd*, **48** (1983) 36.
- 5.4. D. S. Veselinović, S. A. Grujić, S. R. Trifunović i D. J. Radanović,  
*Ispitivanje kompleksa hroma(III) i trimetilen-diamin-N,N'-disirćetne kiseline,*  
XXV Savetovanje hemičara SR Srbije, Beograd, 1983, *Glasnik Hem. društva Beograd*, **48** (1983) 37.
- 5.5. D. J. Radanović, S. R. Trifunović, S. R. Niketić, S. Zarić i B. E. Douglas,  
*1,3-propanediamin-N,N'-diacetato-N,N'-di-3-propionato-kobalt(III) kompleksi: sinteza i spektri,*  
XXX Savetovanje hemičara SR Srbije, Beograd, 1988.
- 5.6. D. J. Radanović, Z. D. Matović, S. R. Trifunović i G. Ponticelli,  
*Sinteza i karakterisanje trans(O<sub>6</sub>)-natrijum-(1,3-propan-diamin-N,N'-diacetato-N,N'-di-3-propionato)kuprat(II)-heksahidrata,*  
XXXVI Savetovanje srpskog hemijskog društva, Beograd, 1994, str. 17.
- 5.7. D. J. Radanović i S. R. Trifunović,  
*Cirkularni dihroizam trans(O<sub>5</sub> O<sub>6</sub>)-izomera 1,3-propan-diamin-N,N,N'-triacetato-N'-3-propionato-kobaltat(III)-kompleksa,*  
XXXVI Savetovanje srpskog hemijskog društva, Beograd, 1994, str. 21.
- 5.8. S. Sukdolak, S. Solujić-Sukdolak, S. R. Trifunović i N. Manojlović,  
*Hemijska sinteza potencijalno fizioloških aktivnih jedinjenja sa antifungicidnim i baktericidnim delovanjem,*  
XXXVI Savetovanje srpskog hemijskog društva, Beograd, 1994, str. 52.

- 5.9. S. Sukdolak, S. R. Trifunović i S. Solujić-Sukdolak,  
*Reciklaža razređivača i rastvarača za boje i lak,*  
Ist Meeting Recycling of Waste and Secondary Raw materials in Environment Protection, Beograd, 1994.
- 5.10. S. R. Trifunović, S. Sukdolak i S. Solujić-Sukdolak,  
*Reciklaža hromnih soli iz otpadnih rastvora metaloprerađivačke industrije,*  
Ist Meeting Recycling of Waste and Secondary Raw materials in Environment Protection, Beograd, 1994.
- 5.11. S. Sukdolak, S. R. Trifunović, and S. Solujić-Sukdolak,  
*Reciklaža sredstava za odmašćivanje i čišćenje iz metaloprerađivačke industrije,*  
Ist Meeting Recycling of Waste and Secondary Raw materials in Environment Protection, Beograd, 1994.
- 5.12. T. J. Sabo, S. R. Grgurić i S. R. Trifunović,  
*Sinteza i karakterizacija fac i mer uns-cis-(etilendiamin- $N,N'$ -di-3-propionato)-glicinato-kobalt(III)-kompleksa,*  
XXXVII Savetovanje Srpskog hemijskog društva, Novi Sad, 1995, str. 12.
- 5.13. S. R. Trifunović, T. J. Sabo, Z. Matović, S. Sukdolak i S. Solujić-Sukdolak,  
*Sinteza i karakterisanje etilendiamin- $N,N'$ -diacetato- $N,N'$ -di(ditiokarbamato)-nikal(II) kompleksa,*  
XXXVII Savetovanje Srpskog hemijskog društva, Novi Sad, 1995, str. 14.
- 5.14. Z. Matović, S. R. Trifunović, T. J. Sabo, Luigi P. Battaglia, G. Ponticelli i D. J. Radanović,  
*Doprinos rastvarača katalitičkom dejstvu etanola u reakcijama dobivanja trans-[Rh(N-AlkIm)X] kompleksa,*  
XXXVII Savetovanje Srpskog hemijskog društva, Novi Sad, 1995, str. 16.
- 5.15. D. J. Radanović, S. R. Trifunović, V. Milovanović, Z. D. Matović and H. Kawaguchi,  
*Synthesis and Structure of manganese(II) Complex with 1,2-propane-diaminotetraacetic Acid,*  
V Conference of the Serbian Crystallographic Society, Palić, 1996, p 10.
- 5.16. B. Prelesnik, K. Anđelković, Z. Marković, T. Sabo and S. R. Trifunović,  
*Potassium 3-dithiocarboxy-3-aza-5-amino-pentanboate dihydrate,*  
V Conference of the Serbian Crystallographic Society, Palić, 1996, p.14.
- 5.17. T. J. Sabo, S. M. Samardžija, S. R. Trifunović i D. Poleti,  
*Sinteza i karakterizacija s-cis- $\mu$ -hidrokso- $\mu$ -glicinato-bis(etilendiamin- $N,N'$ -diacetato)-dihrom(III)-monohidrata,*  
38 Savetovanje Srpskog hemijskog društva, Beograd, 1996, st. NH-6.

- 5.18. Ž. Lj. Tešić, S. Grgurić, S. R. Trifunović i T. J. Sabo,  
*Hromatografsko odvajanje facijalnih i meridionalni izomera kompleksa kobalta(III) planarnom hromatografijom,*  
38 Savetovanje Srpskog hemijskog društva, Beograd, 1996, st. NH-16.
- 5.19. T. J. Sabo i S. R. Trifunović,  
*Mešoviti kompleksi kobalta(III) sa etilen-diamin-*N,N'*-di-3-propionato i  $\alpha$ -amino-karboksilato ligandima,*  
38 Savetovanje Srpskog hemijskog društva, Beograd, 1996, st. NH-17.
- 5.20. Z. Marković, T. J. Sabo, K. Anđelković, i S. R. Trifunović,  
*Kompleksi Co(III), Ni(II) i Cu(II) sa kalijum-3-ditiokarboksi-3-aza-5-amino-pentanoatom,*  
Jucomat, Herceg Novi (1997), p 67.
- 5.21. I. Bernal, J. Cetrullo, J. Myrczek, J. S. Ricci Jr., D. J. Radanović and S. R. Trifunović,  
*The structure and absolute configuration of  $K_{1/2}(H_5O_2)_{1/2}\{(-)D-trans(O_6)-[Co(I,3-S,S-pddadp)]\} \cdot 2H_2O,$*   
VII Konferencija Srpskog kristalografskog društva, Beograd, 1998, p.22.
- 5.22. Z. Marković, T. J. Sabo, V. Asanović and S. R. Trifunović,  
*Synthesis and characterization of Ni(II) complex with N-dithiocarboxy-iminodiacetic acid (idadtc) as ligand,*  
3<sup>rd</sup> Yugoslav Materials Research Society Conference, Herceg Novi, 1999, The book of abstracts, str. 86.
- 5.23. Z. Marković, T. J. Sabo, V. Asanović and S. R. Trifunović,  
*Sinteza i karakterizacija kompleksa Cu(II) sa imino-diacetato-ditiokarbamatom kao ligandom,*  
XXXIX Savetovanje Srpskog hemijskog društva, Beograd, 1999, Izvodi radova, str.168.
- 5.24. Z. Marković, G. A. Bogdanović, A. Spasojević-de-Bire, V. Asanović, T. J. Sabo and S. R. Trifunović,  
*Kristalna struktura amonijum-iminodiacetata,*  
VIII Kongerencija Srpskog kristalografskog društva, Kragujevac, 2000, Izvodi radova, str. 41.
- 5.25. G. N. Kaluđerović, S. R. Trifunović, V. M. Đinović and T. J. Sabo,  
*Synthesis and characterization of the Co(III) complex with a new dithiocarbamate ligand,*  
Physical Chemistry 2000, Proceedings of the International Conference on Fundamental and Applied Aspects of Physical Chemistry, 5<sup>th</sup>, Belgrade, 2000, p. 655.

- 5.26. Z. Leka, T. J. Sabo, Z. Tešić, S. Lukić, S. Skuban and S. R. Trifunović,  
*The complexes of zinc(II), cadmium(II), platinum(II) and palladium(II) with potassium 3-dithiocarboxy-3-aza-5-aminopentanoate*,  
5<sup>th</sup> Yugoslav Materials Research Society Conference, Herceg Novi, 2003, The book of abstracts, p. 79.
- 5.27. Z. Leka, K. Mészáros Szécsényi, S. R. Trifunović and V. Leovac,  
*Termička dekompozicija novog ditiokarbamatnog liganda i njegovih kompleksa sa Cu(II), Ni(II) i Pd(II)*,  
XLII Savetovanje Srpskog hemijskog društva, Novi Sad, 2004, Izvodi radova, str. 76.
- 5.28. S. R. Trifunović, M. Z. Stanković, V. V. Glođović and F. W. Heinemann,  
*The crystal structure of ethylenediamine-N,N'-di-S,S-2-propionic acid monochlorhydrat*,  
XII Conference of the Serbian Crystallographic Society, Kragujevac, 2004, str. 10.
- 5.29. S. R. Trifunović, Z. D. Petrović, M. I. Đuran, S. Rajković and F. W. Heinemann,  
*The crystal structure of trans-[PdCl<sub>2</sub>(DEAM)<sub>2</sub>]*,  
XII Conference of the Serbian Crystallographic Society, Kragujevac 2004, p. 24.
- 5.30. G. N. Kaluđerović, G. A. Bogdanović, S. R. Trifunović and T. J. Sabo,  
*Crystal structure of (ethylenediammonium-N,N'-di-3-propionic acid)-tetrachloroplatinate(II) complex*,  
XII Conference of the Serbian Crystallographic Society, Kragujevac, 2004, p. 31.
- 5.31. S. R. Trifunović, M. Stanković, Z. Matović, G. P. Vasić, A. Meetsma and P. J. Van Koningsburggen,  
*The crystal structure of complex [Ni(S,S-eddp)]·2H<sub>2</sub>O*,  
XIII Conference of the Serbian Crystallographic Society, Novi Sad, 2006, p. 16.
- 5.32. B. B. Krajčinović, G. N. Kaluđerović, D. Steinborn, C. Wagner, S. R. Trifunović, Z. M. Miodragović and T. J. Sabo,  
*Crystal structure of O,O'-diisopropyl-(S,S)-ethylenediammonium-N,N'-di-2-propanoate chloride*,  
XIII Conference of the Serbian Crystallographic Society, Novi Sad, 2006, p. 14.
- 5.33. S. R. Trifunović, V. V. Glođović and F. W. Heinemann,  
*The crystal structure of K[Cr(S,S-eddp)(ox)]·0.5H<sub>2</sub>O complex*,  
XIII Conference of the Serbian Crystallographic Society, Novi Sad, 2006, p. 26.
- 5.34. S. R. Trifunović, V. V. Glođović, G. P. Vasić, V. M. Đinović, T. J. Sabo, O. R. Klisurić and S. Stanković,  
*Crystal structure of uns-cis-dibromo-(ethylenediamine-N,N'-di-S,S-2-propionato)-platinum(IV) complex, uns-cis-[Pt(S,S-eddp)Br<sub>2</sub>]*,  
XV Conference of the Serbian Crystallographic Society, Donji Milanovac, 2008, p. 24.

- 5.35. G. P. Vasić, S. R. Trifunović, V. V. Glođović, V. M. Đinović, T. J. Sabo, O. R. Klisurić and S. Stanković,  
*The crystal structure of the s-cis-dichoro-(ethylenediamine-N,N'-di-S,S-2--propionato-platinum(IV) complex, s-cis-[Pt(S,S-eddp)Cl<sub>2</sub>],*  
XV Conference of the Serbian Crystallographic Society, Donji Milanovac, 2008, p. 28.
- 5.36 G. P. Radić, V. V. Glođović, S. Garsia-Granda, L. Menéndez-Taboada, Z. R. Ratković and S. R. Trifunović,  
*Crystal structure of 1,2-diphenyl-ethylenediamine-N,N'-di-3-propanoic acid dihydrochloride,*  
XVII Conference of the Serbian Crystallographic Society, Ivanjica, 2010, p. 37.
- 5.37 D. P. Dimitrijević, J. M. Vujić, S. Garcia-Granda, L. Menéndez Taboada and S. R. Trifunović  
*Synthesis and crystal structure of O,O'-dipropyl-ethylenediamine-N,N'-di-(S,S)-(2,2'-dibenzyl)-acetate dihydrochloride,*  
XVII Conference of the Serbian Crystallographic Society, Ivanjica 2010, p. 48.
- 5.38 G. P. Radić, V. V. Glođović, F. W. Heinemann and S. R. Trifunović,  
*Synthesis and crystal structure of palladium(II) complex with O,O'-diethyl-(S,S)-ethylenediamine-N,N'-di-2-(3-methyl)-butanoate,*  
XVII Conference of the Serbian Crystallographic Society, Ivanjica, 2010, p. 61.
- 5.39. M. Z. Stanković, G. P. Radić, V.V. Glođović, O. R. Klisurić and S. R. Trifunović,  
*Synthesis and crystal structure of tetrachloro-(O,O'-diethyl-(S,S)-ethylenediamine-N,N'-di-2-propanoato)-platinum(IV),*  
XVIII Conference of the Serbian Crystallographic Society, Andrevlje, Fruška Gora, 2011, p. 42.
- 5.40 D. P. Dimitrijević, G. P. Radić, V.V. Glođović, I. D. Radojević, O. D. Stefanović, Lj. R. Čomić, Z. R. Ratković, A. Valkonen, K. Rissanen and S. R. Trifunović,  
*Crystal structure of bis-(S-benzyl-thiosalicylate)-palladium(II) complex,[Pd(S-bz-eddp)<sub>2</sub>],*  
XVIII Conference of the Serbian Crystallographic Society, Andrevlje, Fruška Gora, 2011, p. 44.
- 5.41. J. M. Vujić, S. Garcija-Granda, L. Menéndez Taboada and S.R. Trifunović,  
*Crystal structure of dichlorido-di(trihydroxychloro)-palladium(II) complex,*  
XVIII Conference of the Serbian Crystallographic Society, Andrevlje, Fruška Gora, 2011, p. 40.
- 5.42 G. P. Radić, V. V. Glođović, N. Vuković, O. R. Klisurić and S. R. Trifunović,  
*Crystal structure of 4-hydroxy-3-(1p-tolylimino)ethyl)2H-chromen-2-one-palladium(II) complex,,*  
XIX Conference of the Serbian Crystallographic Society, Bela Crkva, 2012, p.56.



- 5.43. D. Lj. Stojković, G. P. Radić, V. V. Glođović, I. Potočňák and S. R. Trifunović,  
*Synthesis and crystal structure of dibromido-(S,S)-ethylenediamine-N,N'-2-(3-methyl)butanoato-platinum(IV) complex*,  
XIX Conference of the Serbian Crystallographic Society, Bela Crkva, 2012, p. 70.
- 5.44. J. M. Vujić, S. Garcija-Granda, L. Menéndez Taboada, S. B. Novaković and S. R. Trifunović,  
*Crystal structure of O,O'-dipropyl ester of (S,S)-ethylenediamine-N,N'-di-2-(4-methyl)-pentanoic Acid Dihydrochloride*,  
XIX Conference of the Serbian Crystallographic Society, Bela Crkva, 2012, p. 94.
- 5.45. D. Lj. Stojković, V. V. Jevtić, N. Vuković, S. Sukdolak, G. P. Radić, O. R. Klisurić and S. R. Trifunović,  
*Synthesis, characterization and crystal structure of 3-(1-(2-hydroxyethylamino)ethylidene)chroman-2,4-dione-palladium(II) complex*,  
XX Conference of the Serbian Crystallographic Society, Beograd, 2013, p. 22.
- 5.46. M. V. Nikolić, M. Ž. Mijajlović, G. P. Radić, V. V. Jevtić, Z. R. Ratković, G. A. Bogdanović, V. Divljaković, S. B. Novaković and S. R. Trifunović,  
*Crystal structure of binuclear Cu(II) complex with S-methyl derivative of thiosalicylic acid*,  
XX Conference of the Serbian Crystallographic Society, Beograd, 2013, p.56.
- 5.47. V. V. Jevtić, G. P. Radić, Z. R. Ratković, S. B. Novaković, G. A. Bogdanović, V. Divljaković and S. R. Trifunović,  
*Synthesis and crystal structure of meso-1,2-diphenyl-ethylenediamine-N,N'-di-3-propanoate-palladium(II) complex*,  
XX Conference of the Serbian Crystallographic Society, Beograd, 2013, p.74.
- 5.48. M. Ž. Mijajlović, M. V. Nikolić, G. P. Radić, V. V. Jevtić, Z. R. Ratković, G. A. Bogdanović, V. Divljaković, S. B. Novaković and S. R. Trifunović,  
*Crystal structure of bis(S-butyl-thiosalicylate)-palladium(II) complex*,  
XX Conference of the Serbian Crystallographic Society, Beograd, 2013, p. 48.
- 5.49. I. D. Radojević, D. P. Dimitrijević, V. V. Glođović, G. P. Radić, O. D. Stefanović, Lj. R. Čomić and S. R. Trifunović,  
*Biological activity of some new ligands and their platinum(IV) complexes*,  
IX Kongres mikrobiologa Srbije, Knjiga apstrakata, Beograd, 2013.
- 5.50. M. V. Nikolić, M. Ž. Mijajlović, G. P. Radić, V. V. Jevtić, Z. R. Ratković, S. B. Novaković, G. A. Bogdanović and S. R. Trifunović,  
*Crystal structure of binuclear Cu(II) complex with S-ethyl derivative of thiosalicylic acid*,  
XXI Conference of the Serbian Crystallographic Society, Užice, 2014, p. 44.

- 5.51. V. V. Jevtić, S. R. Trifunović, D. Lj. Stojković, G. P. Radić, N. Vuković, S. Sukdolak, S. B. Novaković and G. A. Bogdanović,  
*Synthesis and crystal structure of methyl 2-methyl-2-(2-oxotetrahydrofuran-3-yl)-4-thiazolidine-4-karboxylate*,  
XXI Conference of the Serbian Crystallographic Society, Užice, 2014, p. 78.
- 5.52. D. Lj. Stojković, V. V. Jevtić, N. Vuković, S. Sukdolak, G. P. Radić, I. Potočňák and S. R. Trifunović,  
*Synthesis and crystal structure of methyl 2-(1-(2,4-dioxochroman-3-ylidene)etilamino)-3-methyl butanoate*,  
XXI Conference of the Serbian Crystallographic Society, Užice, 2014, p. 32.
- 5.53. M. Ž. Mijajlović, M. V. Nikolić, G. P. Radić, V. V. Jevtić, Z. R. Ratković, O. R. Klisurić and S. R. Trifunović,  
*Crystal structure of the S-butyl derivative of thiosalicylic acid*,  
XXI Conference of the Serbian Crystallographic Society, Užice, 2014, p. 34.
- 5.54. G. P. Radić, D. Capucci, A. Bacchi, D. Lj. Stojković, V. V. Jevtić, N. Vuković, M. D. Vukić, K. Anđelković and S. R. Trifunović,  
*Synthesis and crystal structure of palladium(II) complex with methyl 2-(1-(2,4-dioxochroman-3-ylidene)etilamino)acetate*,  
XXII Conference of the Serbian Crystallographic Society, Smederevo, 2015, p.43.
- 5.55. D. Lj. Stojković, V. V. Jevtić, N. Vuković, M. D. Vukić, G. P. Radić, I. Potočňák and S. R. Trifunović,  
*Synthesis and crystal structure of 2-acetylbutyrolactone with methyl ester of L-tyrosine*,  
XXII Conference of the Serbian Crystallographic Society, Smederevo, 2015, p. 41.
- 5.56. J. M. Vujić, A. Hatzidimitriou, S. R. Trifunović, A. Geronikaki and D. Papagiannopoulou,  
*Crystal structure of rhenium(I) complex with new thiazole type ligand*,  
XXII Conference of the Serbian Crystallographic Society, Smederevo, 2015, p. 49.
- 5.57. D. Lj. Stojković, V. V. Jevtić, S. R. Trifunović, N. Vuković, M. D. Vukić, O. R. Klisurić, E. H. Avdović and S. Jovičić,  
*Synthesis and crystal structure of methyl ester of phenylalanine ammonium-thiocyanate*,  
XXIII Conference of the Serbian Crystallographic Society, Vršac, 2017, p. 27.
- 5.58. E. H. Avdović, V. V. Jevtić, N. Vuković, M. D. Vukić, Z. S. Marković, I. Potočňák and S. R. Trifunović,  
*Synthesis and crystal structure of 3-(1-O-toluidino-ethylidene)-chromene-2,4-dione*,  
XXIII Conference of the Serbian Crystallographic Society, Vršac, 2017, p. 31.

- 5.59. A. M. Bukonjić, D. Lj. Tomović, A. Stanković, M. V. Nikolić, M. Ž. Mijajlović, V. V. Jevtić, Z. R. Ratković, I. Potočňák, S. R. Trifunović and G. P. Radić, *The crystal structure of bis(2-(1-aminocyclohexyl)-ethanoato)copper(II)-complex*, XXIII Conference of the Serbian Crystallographic Society, Vršac, 2017, p. 59.
- 5.60. J. M. Mašković, S. Garcia-Granda, L. Menéndez-Taboada and S. R. Trifunović, *Crystal structure of O,O'-dimethyl ester of (S,S)-ethylenediamine- N,N'-di-2-(4-methyl)-pentanoic acid hydrochloride*, XXIII Conference of the Serbian Crystallographic Society, Vršac, 2017, p. 87.
- 5.61. D. Lj. Stojković, V. V. Jevtić and S. R. Trifunović, *Antibacterial activity of platinum(II) and palladium(II) complexes with some alkyl esters of (S,S)-ethylenediamine-N,N'-di-(2,2'-di(4-hydroxy)-benzyl acetic acid*, XXII Savetovanje o biotehnologiji, Zbornik radova, Knjiga 2, Čačak, 2017, p. 623.
- 5.62. V. V. Jevtić, D. Lj. Stojković, N. Vuković, M. D. Vukić, D. D. Baskić, S. R. Trifunović and Z. B. Leka, *Antimicrobial and antitumor reactivity of new palladium(II) complexes with some amino acid derivatives*, 5th Conference of Young Chemists of Serbia, Beograd, 2017, p. 71.

## 6. Scientific communications presented on international conferences and printed in a whole

- 6.1. S. R. Trifunović, D. J. Radanović, Z. D. Matović, V. Milovanović and H. Kawaguchi, *Manganese(II) complexes with some edta-type ligands. The molecular Structure of aquo-dihydrogen(1,2-propanediaminetetraacetate)manganese(II) trihydrate*,  $[Mn(H_2l,2-pdta)(H_2O)] \cdot 3H_2O$ , 4<sup>th</sup> International Conference on Fundamental and Applied Aspects of Physical Chemistry, Beograd, 1998, p. 573 (3LP).
- 6.2. S. R. Grgurić, S. R. Trifunović, S. N. Banović and T. J. Sabo, *Synthesis and characterization of facial and meridional isomers of uns-cis-(ethylenediamine-N,N'-di-3-pripionato)(aminocarboxylato)cobalt(III) complexes*, 4<sup>th</sup> International Conference on Fundamental and Applied Aspects of Physical Chemistry, Beograd, 1998, p. 603 (13LP).
- 6.3. D. Minić, K. Anđelković, T. J. Sabo, Z. Marković and S. R. Trifunović, *Thermal decomposition of the complexes of Co(II), Ni(II) and Cu(II) with the ligand 3-dithiocarboxy-3-aza-5-minopentanoate*, 4<sup>th</sup> International Conference on Fundamental and Applied Aspects of Physical Chemistry, Beograd, 1998, p. 609 (15LP).

- 6.4. S. R. Trifunović, D. Bulatović, M. Kosović, Z. B. Leka,  
*Complex of Iron(II) with potassium 3-dithiocarboxy-3-aza-5-aminopentanoate dehydrate*,  
11<sup>th</sup> International Conference on Fundamental and Applied Aspects of Physical Chemistry, Beograd, 2012, p. 689 (M-03-P).

## **7. Scientific communications presented on domestic conferences and printed in a whole**

- 7.1. S. Solujić, S. Sukdolak, N. Đukić and S. Trifunović,  
*Dithiocarbamates in nature-stimulants or unhibitors for development Aspergillus niger*,  
1<sup>st</sup> Regional Symposium Chemistry and Environment, Vrnjačka Banja, 1995, p. 595.
- 7.2. T. J. Sabo, S. R. Grgurić, S. R. Trifunović, D. D. Đoković, N. A. Petranović and D. M. Minić,  
*Karakterizacija i termičke osobine geometrijskih izomera uns-cis-(etilendiamin-N,N'-di-3-propionato)(glicinato)kobalt(III) kompleksa*,  
3. Konferencija fiziko-hemičara Srbije, Beograd, 1996, str. 333.

## **8. Monographic publications with professional character**

- 8.1. S. Sukdolak, S. R. Trifunović i S. Solujić-Sukdolak,  
*Reciklaža sredstava za odmašćivanje i čišćenje iz metaloprerađivačke industrije (hlorirani ugljovodonici)*,  
Poglavlje u okviru IV glave "Tehnološka prerada metala" monografske studije "Recikliranje otpadnog materijala i sekundarnih sirovina u funkciji zaštite životne sredine", Izdavač: Institut za tehnologiju nuklearnih i drugih mineralnih sirovina, Beograd, 1995, str. 245-249.
- 8.2. S. R. Trifunović, S. Sukdolak, i S. Solujić-Sukdolak,  
*Reciklaža hromnih soli iz otpadnih rastvora metaloprerađivačke industrije*,  
Poglavlje u okviru IV glave "Tehnološka prerada metala" monografske studije "Recikliranje otpadnog materijala i sekundarnih sirovina u funkciji zaštite životne sredine", Izdavač: Institut za tehnologiju nuklearnih i drugih mineralnih sirovina, Beograd, 1995, str. 256-259.
- 8.3. S. Sukdolak, S. R. Trifunović i S. Solujić-Sukdolak,  
*Reciklaža razredjivača i rastvarača za boje i lakove*,  
Poglavlje u okviru IV glave "Tehnološka prerada metala" monografske studije "Recikliranje otpadnog materijala i sekundarnih sirovina u funkciji zaštite životne sredine", Izdavač: Institut za tehnologiju nuklearnih i drugih mineralnih sirovina, Beograd, 1995, str. 412-416.

- 8.4. Grupa autora,  
*Lokalni ekološki akcioni plan-procena stanja životne sredine u Opštini Kragujevac*  
**Urednik monografije,**  
Izdavač: Skupština grada Kragujevca, Kragujevac, 2003.
- 8.5. Grupa autora,  
*Studija o prošlim, sadašnjim i budućim ekološkim planovima na nivou Kragujevca i okoline,*  
**Urednik monografije i koautor tri glave,**  
Studija rađena po nalogu Ministarstva za zaštitu prirodnih bogatstava i životne sredine Republike Srbije, Izdavač: Eko Centar Kragujevac, 2003.
- 8.6. Grupa autora,  
*Lokalni ekološki akcioni plan Opštine Kragujevac*  
**Urednik monografije,**  
Izdavač: Skupština grada Kragujevca, Kragujevac, 2004.
- 8.7. Grupa autora,  
*Lokalni ekološki akcioni plan Opštine Kragujevac*  
Izdavač: Skupština grada Kragujevca, Kragujevac, 2010.

## **9. Books**

- 9.1. Srećko R. Trifunović,  
**Opšta hemija**  
Izdavač: Prirodno-matematički fakultet, Kragujevac, 1996.  
Udžbenik namenjen studentima fizike
- 9.2. Srećko R. Trifunović,  
**Bioneorganska hemija**  
Izdavač: Prirodno-matematički fakultet, Kragujevac, 1999.  
Udžbenik (skripta) namenjen studentima hemije
- 9.3. Srećko R. Trifunović i Mirjana Vukićević,  
**Praktikum iz hemije za studente fizike**  
Izdavač: Prirodno-matematički fakultet, Kragujevac, 1999.
- 9.4. Srećko R. Trifunović i Tibor J. Sabo  
**Opšta hemija**  
Izdavač: Prirodno-matematički fakultet, Kragujevac, 1999.
- 9.5. Srećko R. Trifunović, Tibor J. Sabo i Zoran B. Todorović  
**Opšta hemija**  
Izdavač: Hemijski fakultet, Beograd, 2010.

## 10. Mentor

### 10.1. Graduate workss

He was a mentor to a large number of graduate theses of students of Faculty of Sciences in Kragujevac and the Faculty of Chemistry in Belgrade.

### 10.2. Specialist works

- 10.2.1. Nela Vučković,  
„*Sinteza i karakterizacija uns-cis-(1,3-propan-diamin-N,N'-diacetato)-kobalt(III) kompleksa sa nekim simentričnim β-diketonato ligandima*”,  
Prirodno-matematički fakultet , Univerzitet u Kragujevcu, Kragujevac, 1999.
- 10.2.2. Milena Stanković,  
„*Kristalna struktura etilendiamin-N,N'-di-S,S-2-propionske kiseline hlorhidrata*”,  
Prirodno-matematički fakultet , Univerzitet u Kragujevcu, Kragujevac, 2005.
- 10.2.3. Mirjana Avramović,  
„*Sinteza karakterisanje kompleksa platine(IV) sa 1,2-difenil-etilendiamin- N,N'-di-3-propionatom*”,  
Prirodno-matematički fakultet , Univerzitet u Kragujevcu, Kragujevac, 2007.

### 10.3. Magistarske teze (co-mentor)

- 10.3.1. Zorica Marković,  
„*Sinteza, kristalna struktura i karakterizacija kalijum-3-ditiokarboksi-3-aza-5-amino-pentanoata i odgovarajućih kompleksa Co(II), Ni(II) i Zn(II)*”,  
Hemijski fakultet, Univerzitet u Beogradu, Beograd, 1997.

### 10.4. Magistarske teze (mentor)

- 10.4.1. Jelena Dišić,  
„*Sinteza i karakterizacija etilendiamin-N,N'-di-3-propionato-kobalt(III) kompleksa sa nekim α-aminokiselinama koje sadrže kiseonik i sumpor u bočnom nizu*”,  
Prirodno-matematički fakultet, Univerzitet u Kragujevcu, 1999.
- 10.4.2. Vera Milovanović,  
„*Sinteza i struktura mangan(II)-kompleksa koji sadrže ligande edta-tipa*”,  
Prirodno-matematički fakultet, Univerzitet u Kragujevcu, 2000.

- 10.4.3. Bojan Ristić,  
*„Sinteza i karakterisanje bakar(II) kompleksa sa novim diamido-dikarboksilatnim ligandom”*,  
Prirodno-matematički fakultet, Univerzitet u Kragujevcu, 2000.
- 10.4.4. Danijela Stamenović,  
*„Sinteza i karakterizacija facijalnih i uns-cis-(etilendiamin-N,N'-di-3-propionato)-kobalt(III) kompleksa meridijalnih izomera sa S-lizinom i S-histidinom”*,  
Prirodno-matematički fakultet, Univerzitet u Kragujevcu, Kragujevac 2002.
- 10.4.5. Verica Glođović,  
*„Oksalato i malonato hrom(III) kompleksi sa asimetričnim S,S-eddp ligandom”*,  
Prirodno-matematički fakultet, Univerzitet u Kragujevcu, Kragujevac, 2004.

## 10.5. Master's thesis (mentor)

- 10.5.1. Sonja Đurić,  
*Ispitivanje antimikrobne aktivnosti dihlorido-(O,O'-dipentil-S,S)-etilendiamin-N,N'-di-2-propionato)paladijum(II) kompleksa*,  
Prirodno-matematički fakultet, Univerzitet u Kragujevcu, Kragujevac, 2012.
- 10.5.2. Ana Đurić,  
*Ispitivanje antitumorske aktivnosti dihlorido-O,O'-dietil-(S,S)-etilendiamin-N,N'-di-2-(4-metil)-pentanoat)platina(II) kompleksa*,  
Prirodno-matematički fakultet, Univerzitet u Kragujevcu, Kragujevac, 2012.
- 10.5.3. Sandra Jovičić,  
*Ispitivanje antitumorske aktivnosti uns-cis-dibromido-(etilendiamin- N,N'-di-(S,S)-2-propionato)platina(IV) kompleksa*,  
Prirodno-matematički fakultet, Univerzitet u Kragujevcu, Kragujevac, 2012.
- 10.5.4. Milka Najdanović,  
*Sinteza i antimikrobna aktivnost S-propil derivate tiosalicilne kiseline i odgovarajućeg kompleksa paladijuma(II)*,  
Prirodno-matematički fakultet, Univerzitet u Kragujevcu, Kragujevac, 2013.
- 10.5.5. Violeta Jeremić,  
*Sinteza i karakterizacija metil 3-metil-2-tioureidobutanoata i odgovarajućeg paladijum(II) kompleksa*,  
Prirodno-matematički fakultet, Univerzitet u Kragujevcu, Kragujevac, 2014.
- 10.5.6. Jelena Ljujić,  
*Sinteza i karakterizacija metil 3-merkaptio-2-tioureidopropanoata i odgovarajućeg paladijum(II) kompleksa*,  
Prirodno-matematički fakultet, Univerzitet u Kragujevcu, Kragujevac, 2014.

- 10.5.7. Aleksandra Stojadinović,  
*Sinteza i karakterizacija metil 3-fenil-2-tioureidopropanoata i odgovarajućeg paladijum(II) kompleksa,*  
Prirodno-matematički fakultet, Univerzitet u Kragujevcu, Kragujevac, 2014.
- 10.5.8. Jelena Milanović,  
*Sinteza i karakterizacija metil 4-metil-2-tioureidopentanoata i odgovarajućeg paladijum(II) kompleksa,*  
Prirodno-matematički fakultet, Univerzitet u Kragujevcu, Kragujevac, 2014.
- 10.5.9. Slađana Janković,  
*Sinteza i spektroskopska karakterizacija paladijum(II) kompleksa sa 3-(1-(3-hidroksi propilamino)etiliden)hroman-2,4-dionom,*  
Prirodno-matematički fakultet, Univerzitet u Kragujevcu, Kragujevac, 2015.
- 10.5.10. Dušica Tripković,  
*Kristalna struktura novog butirolaktonskog derivata sa aminokiselinom triptofan,*  
Prirodno-matematički fakultet, Univerzitet u Kragujevcu, Kragujevac, 2015.
- 10.5.11. Aleksandra Matović,  
*Biohemijaska aktivnost novih butirolaktonskih derivata sa aminokiselinama alaninom i valinom,*  
Prirodno-matematički fakultet, Univerzitet u Kragujevcu, Kragujevac, 2015.
- 10.5.12. Melina Sagdati,  
*Sinteza i karakterizacija paladijum(II) kompleksa sa 3-(1-(2-merkptoetil-amino)etiliden)-hroman-2,4-dionom,*  
Prirodno-matematički fakultet, Univerzitet u Kragujevcu, Kragujevac, 2017.

## **10.6. Doctoral dissertation (co-mentor)**

- 10.6.1. Zorica B. Leka,  
*„Sinteza i karakterizacija kompleksa nekih prelaznih metala sa novim ditiokarbamato ligandima”*  
Prirodno-matematički fakultet, Novi Sad, 2001.

## **10.7. Doctoral dissertation (mentor)**

- 10.7.1. Verica V. Glođović,  
*„Sinteza i karakterisanje kompleksa nekih prelaznih metala sa etilendiamin-N,N'-di-S,S-2-propionskom kiselinom”*,  
Prirodno-matematički fakultet, Univerzitet u Kragujevcu, Kragujevac, 2011.



- 10.7.2. Gordana P. Radić,  
*„Sinteza i karakterizacija nekih kompleksa paladijuma(II) i njihova potencijalna biološka aktivnost”*,  
Prirodno-matematički fakultet, Univerzitet u Kragujevcu, Kragujevac, 2012.
- 10.7.3. Jelena M. Vujić,  
*„Sinteza i karakterizacijai i potencijalna citotoksičnost O,O'-dialkil-(S,S)-etilendiamin-N,N'-di-2-(4-metil)-pentanoata i odgovarajućih paladijum(II), platina(II) i platina(IV) kompleksa”*,  
Prirodno-matematički fakultet, Univerzitet u Kragujevcu, Kragujevac, 2012.
- 10.7.4. Dejana R. Dimitrijević,  
*„Sinteza, karakterisanje i potencijalna biološka aktivnost kompleksa platina(IV) i paladijum(II) jona sa derivatima etilendiamin- N,N'-di-(S,S)-( 2,2'-dibenzil)acetato liganda”*,  
Prirodno-matematički fakultet, Univerzitet u Kragujevcu, Kragujevac, 2014.
- 10.7.5. Dragoslav Ilić,  
*„Sinteza, karakterisanje i potencijalna antimikrobna aktivnost kompleksa nekih prelaznih metala sa ligandima EDDA-tipa”*,  
Prirodno-matematički fakultet, Univerzitet u Kragujevcu, Kragujevac, 2014.