



BOJANA V. PANTOVIĆ

Junior research assistant

Faculty of Science, University of Kragujevac

CURRICULUM VITAE

PERSONAL DATA

- Date of birth: October 21, 1997
- Country and place of birth: Serbia, Kragujevac
- Nationality: Serbian
- Present citizenship: Serbia
- Email: bojana.pantovic@pmf.kg.ac.rs

EDUCATION

- Primary school: Kragujevac, Serbia, 2004 – 2012
- Secondary school: Kragujevac, Serbia, 2012 – 2016
- Diploma in Chemistry: Department of Chemistry, Faculty of Science, University of Kragujevac, Kragujevac, Serbia, 2016 – 2021
- Master's Degree in Chemistry: Department of Chemistry, Faculty of Science, University of Kragujevac, Kragujevac, Serbia, 2020 – 2021
- PhD student of Chemical Science, Faculty of Science, University of Kragujevac, Kragujevac, Serbia, 2021 – present

PROFESSIONAL SOCIETIES

- Member of the Serbian Chemical Society
- Member of the Serbian Crystallographic Society
- Member of the Serbian Young Chemists' Club

LANGUAGES

- Mother tongue: Serbian
- Other languages: English

EMPLOYMENT

- Junior Researcher: Department of Chemistry, Faculty of Science, University of Kragujevac, Kragujevac, Serbia, 2022 – present

PROJECTS

- Project title: „Value-added biologics through eco-sustainable routes – BioECOLogics”, 2022 – 2024 (Project No. 7730810); Project is funded by the Science Fund of the Republic of Serbia

RESEARCH INTERESTS

- Coordination Chemistry and Medicinal Inorganic Chemistry, Synthesis of numerous transition metal complexes, their characterization by different spectroscopic, electrochemical and crystallographic methods, as well as evaluation of biological activity of the synthesized metal complexes for their potential use in medicine by different spectroscopic and crystallographic methods

- Investigation of interactions of metal complexes with biologically important molecules (peptides, proteins and nucleic acids) by spectroscopic and electrochemical methods
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AWARDS

- Special recognition of the Serbian Chemical Society for the best students in 2021
 - Scholarships of Foundation for Young Talents – Dositeja, Ministry of Youth and Sports, Republic of Serbia, 2019 – 2021
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1. LIST OF SCIENTIFIC PUBLICATIONS OF BOJANA V. PANTOVIĆ

- 1.1. T. P. Andrejević, I. Aleksic, J. Kljun, B. V. Pantović, D. Milivojevic, S. Vojnovic, I. Turel, M. I. Djuran, B. Đ. Glišić**
Zinc(II) complexes with dimethyl 2,2'-bipyridine-4,5-dicarboxylate: Structure, antimicrobial activity and DNA/BSA binding Study
Inorganics, **10** (2022) 71
DOI: 10.3390/inorganics10060071
M22
- 1.2. T. P. Andrejević, D. P. Ašanin, B. V. Pantović, N. Lj. Stevanović, V. R. Marković, M. I. Djuran, B. Đ. Glišić**
Metal complexes with valuable biomolecules produced by *Pseudomonas aeruginosa*: a review of the coordination properties of pyocyanin, pyochelin and pyoverdines
Dalton Transactions, **52** (2023) 4276–4289
DOI: 10.1039/D3DT00287J
M21
- 1.3. Bojana V. Pantović, Darko P. Ašanin, Franc Perdih, Dušanka D. Radanović, Iztok Turel, Miloš I. Djuran, Biljana Đ. Glišić**
Gallium(III) complexes with 1,3-pdta-type of ligands: The influence of an alkyl substituent in 1,3-propanediamine chain and the metal counter cation on the structural properties of the complex
Polyhedron, **258** (2024) 117045
DOI: 10.1016/j.poly.2024.117045
M22
- 1.4. L. Pantelic, S. Skaro Bogojevic, T. P. Andrejević, B. V. Pantović, V. R. Marković, D. P. Ašanin, Ž. Milanović, T. Ilic-Tomic, J. Nikodinovic-Runic, B. Đ. Glišić, J. Lazic**
Copper(II) and zinc(II) complexes with bacterial prodigiosin are targeting site III of bovine serum albumin and acting as DNA minor groove binders
International Journal of Molecular Sciences, **25** (2024) 8395
DOI: 10.3390/ijms25158395
M21
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2. LIST OF SCIENTIFIC COMMUNICATIONS OF BOJANA V. PANTOVIĆ

2.1. SCIENTIFIC COMMUNICATIONS: CATEGORY M33

- 2.1.1. B. V. Pantović, N. Lj. Stevanović, T. P. Andrejević, D. P. Ašanin, M. I. Djuran, B. Đ. Glišić**
DNA/BSA binding study of mononuclear gold(III) complexes with clinically used azoles
2nd International Conference on Chemo and Bioinformatics, Kragujevac, Serbia, September 28–29th, 2023, p. 399–402, ISBN 978-86-82172-02-4
DOI: 10.46793/ICCB123.399P

M33

2.1.2. T. P. Andrejević, D. P. Ašanin, B. V. Pantović, N. Lj. Stevanović, V. R. Marković, M. I. Djuran, B. Đ. Glišić

DNA/BSA interaction of platinum(II) complexes with phenothiazine and *N*-methylphenothiazine
2nd International Conference on Chemo and Bioinformatics, Kragujevac, Serbia, September 28–29th, 2023, p. 403-406, ISBN 978-86-82172-02-4

DOI: 10.46793/ICCB123.403A

M33

2.1.3. B. V. Pantović, T. P. Andrejević, V. R. Marković, D. P. Ašanin, B. Đ. Glišić

DNA/BSA binding study of phenothiazine and its *N*-methyl-substituted derivative
The 9th International Electronic Conference on Medicinal Chemistry, session Natural Products and Biopharmaceuticals, November 1–30th, 2023

DOI: 10.3390/ECMC2023-15663

M33

2.1.4. T. P. Andrejević, D. P. Ašanin, L. Pantelic, B. V. Pantović, J. Nikodinović-Runic, B. Đ. Glišić

DNA/BSA binding affinity of pyocyanin produced by *Pseudomonas aeruginosa*
The 9th International Electronic Conference on Medicinal Chemistry, session Natural Products and Biopharmaceuticals, November 1–30th, 2023

DOI: 10.3390/ECMC2023-15654

M33

2.2. SCIENTIFIC COMMUNICATIONS: CATEGORY M34

2.2.1. B. V. Pantović, N. Lj. Stevanović, M. I. Djuran, B. Đ. Glišić

DNA/BSA binding study of gold(III) complexes with econazole and isoconazole
19th Hellenic Symposium on Medicinal Chemistry, University of Patras, Greece, March 9–11th, 2023, FP013

M34

2.2.2. T. P. Andrejević, D. P. Ašanin, V. R. Marković, N. Lj. Stevanović, B. V. Pantović, B. Đ. Glišić, M. I. Djuran

Synthesis, structural characterization and DNA/BSA interactions of new silver(I) complex with *N*-methylphenothiazine

16th International Symposium on Applied Bioinorganic Chemistry, University of Ioannina, Greece, June 11–14th, 2023, p. 254

M34

2.2.3. B. Pantović, N. Stevanović, S. Matić, D. Ašanin, D. Baskić, M. Djuran, B. Glišić

Antitumor activity of gold(III) complex with clinically used isoconazole
BioNEXT, Young Researcher Symposium, Online, March 14–15th, 2024, p. 43

M34

2.2.4. B. V. Pantović, T. P. Andrejević, N. Lj. Stevanović, V. R. Marković, D. P. Ašanin, T. Ilić-Tomić, J. Nikodinović-Runić, B. Đ. Glišić

Structural characterization and cytotoxicity of silver(I) complexes with *N*-methylphenothiazine
52nd Conference Synthesis and Analysis of Drugs, Hradec Králové, Czech Republic, September 19–20th, 2024, poster no. 28, p. 32

M34

2.2.5. V. R. Marković, J. Branković, V. Petrović, T. P. Andrejević, N. Lj. Stevanović, B. V. Pantović, D. P. Ašanin, B. Đ. Glišić

In silico assessment of silver(I) complex with *N*-methylphenothiazine against selected microbial strains

52nd Conference Synthesis and Analysis of Drugs, Hradec Králové, Czech Republic, September 19–20th, 2024, poster no. 22, p. 26

M34

2.2.6. T. P. Andrejević, V. R. Marković, D. P. Ašanin, N. Lj. Stevanović, B. V. Pantović, M. G. Bogdanović, M. V. Rodić, B. Đ. Glišić

Synthesis, structural characterization and DNA/BSA interactions of new palladium(II) and platinum(II) complexes with *N*-benzylphenothiazine

52nd Conference Synthesis and Analysis of Drugs, Hradec Králové, Czech Republic, September 19–20th, 2024, poster no. 03, p. 7

M34

2.2.7. D. P. Ašanin, V. R. Marković, T. P. Andrejević, N. Lj. Stevanović, B. V. Pantović, B. Đ. Glišić

DNA/BSA interactions of palladium(II) complexes with phenothiazine and *N*-methylphenothiazine

52nd Conference Synthesis and Analysis of Drugs, Hradec Králové, Czech Republic, September 19–20th, 2024, poster no. 36, p. 41

M34

2.3. SCIENTIFIC COMMUNICATIONS: CATEGORY M64

2.3.1. T. P. Andrejević, I. Aleksić, J. Kljun, B. V. Pantović, D. Milivojević, S. Vojnović, I. Turel, M. I. Djuran, B. Đ. Glišić

Structure and antifungal activity of zinc(II) complexes with dimethyl 2,2'-bipyridine-4,5-dicarboxylate

The International Day of Immunology, Kragujevac, April 19th, 2022, p. 20, ISBN: 978-86-7760-177-5

M64

2.3.2. T. P. Andrejević, I. Aleksic, J. Kljun, B. V. Pantović, D. Milivojevic, I. Turel, M. I. Djuran, B. Đ. Glišić

Copper(II) and silver(I) complexes with dimethyl 6-(pyrazine-2-yl)pyridine-3,4-dicarboxylate: antimicrobial activity and DNA/BSA interactions

58th Meeting of the Serbian Chemical Society, Belgrade, Serbia, June 9–10th, 2022, NH-1, p. 110, ISBN 978-86-7132-079-5

M64

2.3.3. B. V. Pantović, N. Lj. Stevanović, J. Kljun, B. Đ. Glišić

Synthesis and structural characterization of gold(III) complex

8th Conference of Young Chemists of Serbia, Belgrade, Serbia, October 29th, 2022, IC PP 09, p. 80, ISBN 978-86-7132-080-1

M64

2.3.4. B. V. Pantović, D. P. Ašanin, F. Perdiš, I. Turel, M. I. Djuran, B. Đ. Glišić

Synthesis, structural characterization and DNA/BSA interactions of gallium(III) complex with 1,3-propanediamine-*N,N,N',N'*-tetraacetate

59th Meeting of the Serbian Chemical Society, Novi Sad, Serbia, June 1–2nd, 2023, NH-9, p. 92, ISBN 978-86-7132-081-8
M64

2.3.5. B. V. Pantović, T. P. Andrejević, J. Kljun, I. Turel, D. P. Ašanin, M. I. Djuran, B. Đ. Glišić
Synthesis and crystal structure of a gold(III) complex with dimethyl 2,2'-bipyridine-4,5-dicarboxylate
28th Conference of the Serbian Crystallographic Society, Čačak, Serbia, June 14–15th, 2023, p. 62, ISBN 978-86-912959-6-7
M64

2.3.6. B. V. Pantović, T. P. Andrejević, D. P. Ašanin, N. Lj. Stevanović, V. R. Marković, B. Đ. Glišić
Crystal structure of a silver(I) complex with *N*-methylphenothiazine
28th Conference of the Serbian Crystallographic Society, Čačak, Serbia, June 14–15th, 2023, pp. 26–27, ISBN 978-86-912959-6-7
M64

2.3.7. B. Pantović, N. Stevanović, T. Andrejević, G. Bouz, O. Jand'ourek, K. Konečna, D. Ašanin, M. Djuran, B. Glišić
Antimycobacterial potential of silver(I) and gold(III) complexes with different nitrogen-donor ligands
The first conference of the Serbian Biological Society „Stevan Jakovljević” Kragujevac, Serbia, September 20–22th, 2023, p. 84, ISBN 978-86-905643-4-7
M64

2.3.8. B. Pantović, T. Andrejević, G. Bouz, P. Paterová, D. Ašanin, N. Stevanović, M. Djuran, B. Glišić
Antimicrobial activity of silver(I) complexes with aromatic heterocyclic nitrogen-donor ligands
The first conference of the Serbian Biological Society „Stevan Jakovljević” Kragujevac, Serbia, September 20–22th, 2023, p. 85, ISBN 978-86-905643-4-7
M64

2.3.9. B. V. Pantović, D. P. Ašanin, T. P. Andrejević, B. Đ. Glišić
Synthesis and structural characterization of gallium(III) complex with (±)-1,3-pentanediamine-*N,N,N',N'*-tetraacetate
9th Conference of Young Chemists of Serbia, Novi Sad, November 4th, 2023, DCS PP 04, p. 67, ISBN 978-86-7132-084-9
M64

2.3.10. T. P. Andrejević, D. P. Ašanin, B. V. Pantović, B. Đ. Glišić
DNA/BSA interactions of zinc(II) complex with prodigiosin, a bacterial pigment from *Serratia marcescens*
9th Conference of Young Chemists of Serbia, Novi Sad, November 4th, 2023, CB PP 08, p. 39, ISBN 978-86-7132-084-9
M64

2.3.11. B. V. Pantović, D. P. Ašanin, F. Perdih, I. Turel, M. I. Đuran, B. Đ. Glišić
Synthesis and structural characterization of gallium(III) complex with 1,3-propanediamine-*N,N'*-diacetate
60th Meeting of the Serbian Chemical Society, Niš, Serbia, June 8–9th, 2024, NH-1, p. 92, ISBN 978-86-7132-086-3

M64

- 2.3.12. T. P. Andrejević, B. V. Pantović, J. Kljun, D. P. Ašanin, I. Turel, M. I. Djuran, B. Đ. Glišić**
Crystal structure of gold(III) complex with 4,5-diazafluoren-9-one
29th Conference of the Serbian Crystallographic Society, Ruma, June 27–18th, 2024, pp. 44–45,
ISBN 978-86-912959-7-4
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