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Публикације (List of Publications)

1. Списак научних радова публикованих у часописима од међународног значаја (M20):

- 1.1. Milovanović V.**, Petrović Z.D., Novaković S., Bogdanović G.A., Simijonović D., Mladenović M., Branković J., Petrović V.P.
“Pyrazole derivatives of medically relevant phenolic acids: insight into antioxidative and anti-LOX activity”
Medicinal Chemistry **17** (2021) 807–819.
DOI: 10.2174/1573406416666200602152643
ISSN: 1573–4064
(IF = 2,577 за 2019. годину; 34/61; **M22**; област: Chemistry, Medicinal)
- 1.2. Milovanović V.M.**, Petrović Z.D., Novaković S., Bogdanović G.A., Petrović V.P., Simijonović D.
“Green synthesis of benzamide-dioxisoindoline derivatives and assessment of their radical scavenging activity – Experimental and theoretical approach”
Tetrahedron **76** (2020) 131456.
DOI: 10.1016/j.tet.2020.131456
ISSN: 0040–4020
(IF = 2,457 за 2020. годину; 27/57; **M22**; област: Chemistry, Organic)
- 1.3. Milovanović V.**, Petrović Z.D., Novaković S., Bogdanović G.A., Simijonović D., Petrović V.P.
“Structural characterization of benzoyl-1H-pyrazole derivatives obtained in lemon juice medium: Experimental and theoretical approach”
Journal of Molecular Structure **1195**(2019) 85–94.
DOI: 10.1016/j.molstruc.2019.05.095
ISSN: 0022–2860
(IF = 2,463 за 2019. годину; 92/159; **M22**; област: Chemistry, Physical)
- 1.4.** Simijonović D., Petrović Z.D., **Milovanović V.M.**, Petrović V.P., Bogdanović G.A.
“A new efficient domino approach for the synthesis of pyrazolyl-phthalazine-diones. Antiradical activity of novel phenolic products†”
RSC Advances **8** (2018) 16663–16673.
DOI: 10.1039/c8ra02702a
ISSN: 2046–2069
(IF = 3,108 за 2016. годину; 59/166; **M22**; област: Chemistry, Multidisciplinary)
- 1.5.** Petrović V.P., Simijonović D., **Milovanović V.**, Petrović Z.D.
“Acetophenone Mannich bases: study of ionic liquid catalysed synthesis and antioxidative

potential of products”

Royal Society Open Science **5**(2018) 181232–181243.

DOI: 10.1098/rsos.181232

ISSN: 2054–5703

(IF = 2,504 за 2017. годину; 17/64; **M21**; област: Multidisciplinary Sciences)

- 1.6.** Petrović Z.D., Simijonović D., Đorović J., **Milovanović V.**, Marković Z., Petrović V.P.
“*One-Pot Synthesis of Tetrahydropyridine Derivatives: Liquid Salt Catalyst vs Glycolic Acid Promoter. Structure and Antiradical Activity of the New Products*”

Chemistryselect **2** (2017) 11187–11194.

DOI: 10.1002/slct.201701873

ISSN: 2365–6549

(IF = 1,505 за 2017. годину; 106/171; **M23**; област: Chemistry, Multidisciplinary)

2.Списак научних радова публикованих у часописима од националног значаја (M50):

2.1. Миловановић В.М., Бранковић Ј.

„*Пиразолски деривати: „зелена” синтеза имедицински значај*”

Хемијски преглед, **62** (2021) 80–85.

ISSN:0440–6826

M53

2.2. Миловановић В.М., Petrović Z.D., Petrović V.P., Simijonović D., Mladenović M., Tomašević N., Čomić Lj.R., Radojević I.D.

“*In vitro and in silico lipoxygenase inhibition studies and antimicrobial activity of pyrazolyl-phthalazine-diones*”

Kragujevac Journal of Science **43** (2021) 35–52.

DOI: 10.5937/KgJSci2143035M

UDC: 547.7:577.125/.15:579.2

ISSN: 1450–9636 (printed)

ISSN: 2466–5509 (online)

M51

3.Саопштења на међународним конференцијама штампаним у целини (M33)

- 3.1.** Branković J., **Milovanović V.**, Petrović Z.D., Petrović V.P., Gallic acid hydrazones: *in silico* inhibition of thioredoxin reductase, *1st International Conference on Chemo and Bioinformatics*, Kragujevac, Serbia, October 26-27, 2021, Book of Proceedings pp. 320-323. doi:10.46793/ICCBi21.320B, ISBN 978-86-82172-01-7

- 3.2.** Branković J., **Milovanović V.**, Petrović V.P., Cyclooxygenase-2 as *in silico* target of phenolic hydrazone-type derivatives, *1st International Conference on Chemo and Bioinformatics*, Kragujevac, Serbia, October 26-27, 2021, Book of Proceedings pp. 324-327. doi:10.46793/ICCBi21.324B, ISBN 978-86-82172-01-7

3.3. Simijonović D., Petrović Z.D., Radojević I.D., Čomić Lj.R., Petrović V.P., **Milovanović V.**, Antimicrobial activity of substituted pyrazoles, *Proceedings of ISER 210th International Conference*, Florence, Italy, July 19–20, 2019, Book of abstracts pp. 19–23. ISBN 978-93-88786-14-0

3.4. **Milovanović V.M.**, Petrović Z.D., Simijonović D., Petrović V.P., Branković J., Antioxidant activity of chromeno-pyrimidine fused heterocycles obtained in green reaction, *Proceedings of ISER 210th International Conference*, Florence, Italy, July 19–20, 2019, Book of abstracts pp. 15–18. ISBN 978-93-88786-14-0

4.Саопштења на међународним конференцијамаштампаним у изводу(М34)

4.1. Petrović V.P., **Milovanović V.**, Simijonović D., Petrović Z.D., Marković Z., Experimental and theoretical study of structure and antioxidant activity of some *N*-benzylidene-3,4,5-trihydroxybenzohydrazides, *8th International Conference on Computational Bioengineering (ICCB2019)*, Belgrade, Serbia, September 4–6, 2019, Book of abstracts p. 86. ISBN 978-86-81037-75-1 (UK)

4.2. **Milovanović V.**, Petrović Z.D., Simijonović D., Petrović V.P., Green synthesis, structure and antioxidative activity of the highly functionalized tetrahydropyridines, *International Meeting on Medicinal and Bio(in)organic Chemistry*, Vrnjačka Banja, Serbia, August 26–31, 2017, Book of Abstracts p. 24.

5.Саопштења на националним конференцијамаштампаним у изводу(М64)

5.1. Novaković S.B., Bogdanović G.A., Petrović Z.D., Simijonović D., **Milovanović V.M.**, Branković J., Petrović V.P., Crystal structures of two methoxybenzene-pyrazolone derivatives, *27th Conference of the Serbian Crystallographic Society*, Kragujevac, Serbia, September 16–17, 2021, Abstracts pp. 70–71. ISBN 978-86-6009-085-2, ISSN 0354-5741

5.2. Branković J., **Milovanović V.M.**, Simijonović D., Petrović V.P., Pyrazolone derivatives: synthesis, antioxidant activity, and binding to S and M^{Pro} proteins of SARS-CoV-2 inferred by molecular docking, *57th Meeting of the Serbian Chemical Society*, Kragujevac, Serbia, June 18–19, 2021, Book of abstracts pp. 79. ISBN 978-86-7132-077-1

5.3. **Milovanović V.**, Simijonović D., Petrović Z.D., Petrović V.P., Mechanistic study of threecomponent Mannich reaction and characterization of the products, *55th Meeting of the Serbian Chemical Society*, Novi Sad, Serbia June 8–9, 2018, Book of Abstracts OH P 10 p. 98. ISBN 978-86-7132-069-6

5.4. Simijonović D., Petrović V.P., **Milovanović V.**, Petrović Z.D., Diastereoselective one-pot synthesis of vanillin-piperidine derivatives and investigation of their atioxidative activity, *53rd Meeting of the Serbian Chemical Society*, Kragujevac, Serbia June 10–11, 2016 Book of Abstracts OH P 21 p. 120. ISBN 978-86-7132-056-6