

CURRICULUM VITAE

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Name:

Mariana Seke

Date and place of birth:

9th September 1981, Belgrade, Serbia

Education:

Master of Science: Faculty of Physical Chemistry, University of Belgrade, 2010;
Diploma (equivalent 300 ESP): Faculty of Biology, University of Belgrade, 2008.

Professional background:

2011 to present: Researcher at "Vinča" Institute for Nuclear Sciences, Department of Radiobiology and Molecular genetics, University of Belgrade

Current Status:

PhD student in Molecular biology of Eukaryotes, engaged in National project "Functional, functionalized and refined nanomaterials"

Publications:

3 scientific articles (in international scientific journals with Impact Factor), chapter in one scientific book and 8 conference papers.

Other:

Non smoker, active Kendo paractitioner at "Kokoro Kendo Kai" Novi Sad (title nidan).

References:

1. Djordjevic Aleksandar, Ignjatovic Nenad, **Seke Mariana**, Jovic Danica, Uskokovic Dragan, Rakocevic Zlatko
"SYNTHESIS AND CHARACTERIZATION OF HYDROXYAPATITE/FULLERENOL NANOCOMPOSITES"

Journal of Nanoscience and Nanotechnology 02/2015; 15(2):1538-1542.

2. Milica Labudović Borović, Ivana Ičević, Zdenko Kanački, Dragan Žikić, **Mariana Seke**, Rade Injac, and Aleksandar Djordjevic
"EFFECTS OF FULLERENOL C₆₀(OH)₂₄ NANOPARTICLES ON A SINGLE-DOSE DOXORUBICIN-INDUCED CARDIOTOXICITY IN PIGS: AN ULTRASTRUCTURAL STUDY"
Ultrastructural Pathology, Vol. 38, 2014,150-63.
3. Branislava U. Srdjenovic, Marija N. Slavic, Karmen M. Stankov, Nebojsa V. Kladar, Danica S. Jović, **Mariana N. Seke**, Višnja V. Bogdanović
"SIZE DISTRIBUTION OF FULLERENOL NANOPARTICLES IN CELL CULTURE MEDIUM AND THEIR INFLUENCE ON ANTIOXIDATIVE ENZYMES IN CHINESE HAMSTER OVARY CELLS"
Hemijska industrija. Paper accepted: 03 July 2014. DOI:10.2298/HEMIND131218054S

Chapter in book:

Advanced carbon materials and technology (Advanced Materials Book Series)

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Chapter 6

Bioimpact of carbon nanomaterials 193-272

Aleksandar Djordjevic, Rade Injac, Danica Jović, Jasminka Mrđanović, **Mariana Seke**

Conference papers

1. EFFECTS OF A NOVEL FULLERENOL-DOXORUBICIN NANOCOMPOSITE ON THE LIVER OF HEALTHY RATS. **Mariana Seke**, Danijela Petrović, Danica Jović, Milica Labudović Borović, Zdenko Kanački, Dragan Žikić, Aleksandar Djordjevic. *Belgrade International Molecular Life Science Conference for Students, 15 -18 January 2015, oral presentation.*
2. EFFECTS OF FULLERENOL C₆₀(OH)₂₄ NANO PARTICLES BOUND BIOCIDES ON TOXIGENIC MOLDS FROM WALL PAINTINGS. N. Unković, M. Stupar, D. Jović, **M.Seke**, M. Ljaljević Grbić, J. Vukojević, A. Đorđević. *XVI International Biodeterioration and Biodegradation Symposium, September 3-5, 2014, Lodz, Poland, poster presentation.*

3. TOXIC EFFECTS OF CHLOROFORM IN THE PRESENTS OF FULLEREN C_{60} NANOPARTICLES ON DAPHNIA MAGNA MIDGUT. **Mariana N. Seke**, Arian G. Morina, Milica B. Markelić, Dragana M. Miličić, Aleksandra B. Korać, Aleksandar N. Đorđević. *8th International Conference of the Chemical Societies of the South-East European Countries, 27- 29 June 2013, poster presentation.*
4. IMPACT OF FULLERENOL $C_{60}(OH)_{24}$ NANOPARTICLES ON GROWTH OF STAPHYLOCOCCUS AUREUS AND ESCHERICHIA COLI. Dubravka Milanov, Gordana Kozoderovic, **Mariana N. Seke**, Danica Jovic, Danijela Petrovic, Aleksandar N. Djordjevic. *8th International Conference of the Chemical Societies of the South-East European Countries, 27- 29 June 2013, poster presentation.*
5. PHARMACOLOGICAL EFFECT OF FULLERENOL $C_{60}(OH)_{24}$ NANOPARTICLES ON ISOLATED SMOOTH MUSCLE. Marija Slavic, Danica Jovic, Danijela Petrovic, Ana Mijuskovic, Zorana Orescanin-Dusic, Aleksandra Nikolic-Kokic, **Mariana Seke**. *8th International Conference of the Chemical Societies of the South-East European Countries, 27- 29 June 2013, poster presentation.*
6. CELL ADHESION OF MOUSE FIBROBLASTS TO THE SURFACE OF A NOVEL HYDROXYAPATITE/FULLERENOL NANOCOMPOSITE. Aleksandar N. Djordjević, Nenad L. Ignjatović, Gordana B. Bogdanović, **Mariana N. Seke**, Dragan P. Uskoković, Danica S. Jović, Zlatko Lj. Rakočević. *First international conference of young chemists of Serbia, 19 –20 October, 2012, poster presentation.*
7. EFFECTS OF FULLERENOL NANO PARTICLES $C_{60}(OH)_{24}$ ON FILAMENTOUS FUNGUS ASPERGILLUS NIGER TIEGH. Nikola Unković, Miloš Stupar, Milica Ljaljević Grbić, Jelena Vukojević, **Mariana Seke**, Danica Jović, Aleksandar Djordjević. *Joint event of the 11th Young Researchers' Conference: Materials Science and Engineering and the 1st European Early Stage Researchers' Conference on Hydrogen Storage, 3-5 December,2012, poster presentation.*
8. DISTRIBUTION OF FULLERENOL NANOPARTICLES IN HUMAN SERUM. A. Đorđević, D. Radmanovac, A. Mertelj, Z. Rakočević, **M. Seke**, I. Ičević, R. Injac. *EUROanalysis 2011,16th European Conference on Analytical Chemistry, 28-30 September 2011, poster presentation.*