Институт техничких наука С А Н У
Бр. 369/1
21.10. 20 16. год.
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НАУЧНОМ ВЕЋУ
ИНСТИТУТА ТЕХНИЧКИХ НАУКА САНУ

Молба за покретање поступка за избор у звање научни саветник др Магдалене Стевановић вишег научног сарадника Института техничких наука САНУ

У складу са одредбама Закона о научноистраживачкој делатности молим да покренете поступак за мој избор у звање научни саветник.

У прилогу вам достављам:

1. Биографију
2. Библиографију
3. Цитираност
4. Доказе о испуњењу квалитативних услова: докази о међународној сарадњи *(писма подршке добијена приликом аплицирања за пројекат МПНТР а која уједно поред међународне сарадње сведоче и о предавању по позиву, заједничким пројектима и публикацијама*), докази о руковођењу пројектима, чланству у телима и научним друштвима, о одржаним предавањима по позиву, менторству, едукативном раду, рецензирању радова и пројеката, организацији конференција.
5. Одлуку о стицању претходног звања-виши научни сарадник

Ради покретања поступка за избор у звање научни саветник, предлажем Комисију у саставу:

1. Проф. др Гордана Ћирић Марјановић, декан и редовни професор Факултета за физичку хемију Универзитета у Београду
2. Академик проф. др Зоран Ђурић, научни саветник, директор Института техничких наука САНУ и редовни члан САНУ
3. Проф. др Марина Миленковић, продекан за наставу и редовни професор Фармацеутског факултета Универзитета у Београду
4. Др Бранимир Југовић, научни саветник Института техничких наука САНУ

Са поштовањем

У Београду,
21. 10. 2016.

др Магдалена Стевановић
виши научни сарадник ИТН САНУ

Биографија др Магдалене Стевановић

Др Магдалена Стевановић рођена је 04. 08. 1974. у Београду. Основну школу „Васа Пелагић“ и природно-математичку гимназију „Свети Сава“ завршила је са одличним успехом. Дипломирала је на Факултету за физичку хемију Универзитета у Београду 2002. год. са темом „Одређивање хормона штитне жлезде Т3 и Т4 методом радиоимунолошке анализе са различитим системима за одвајање слободне од везане радиоактивности“ и стекла звање дипломираног физикохемичара. Магистрирала је на Факултету за физичку хемију Универзитета у Београду 2006. године, са темом „Добијање, морфологија и структура прахова поли(ДЛ-лактид-ко-гликолида) и биокомпозита поли(ДЛ-лактид-ко-гликолид)/бифазни калцијум фосфат“ чиме је стекла звање магистра физичкохемијских наука. Од септембра 2002. до септембра 2003. год. радила је као приправник на Институту нуклеарне медицине Војномедицинске академије у Београду. Има положен државни испит за здравственог сарадника. На Факултету за физичку хемију Универзитета у Београду одбранила је докторску дисертацију под називом „Синтеза, карактеризација и деградација поли(ДЛ-лактид-ко-гликолид) наносфера које садрже аскорбинску киселину“ 14. децембра 2007. године. Од 1. октобра 2003. запослена је у Институту техничких наука САНУ и то у периоду од октобра 2003. до јануара 2007. као истраживач приправник, затим као истраживач сарадник у периоду од јануара 2007. до маја 2008., као научни сарадник од маја 2008. до маја 2012. и од 9. маја 2012 као виши научни сарадник на основу одлуке Министарства просвете и науке (број одлуке 06-00-75/671).

Ангажована је на пројекту из интегралних и интердисциплинарних истраживања из области хемије које финансира Министарство просвете, науке и технолошког развоја Републике Србије и налази се у А1 категорији истраживача. До сада је публиковала 34 рада и 41 саопштење са конференција штампано у целини или изводу. Др Стевановић је на 76% радова први аутор. Укупан број цитата у базама података Web of Science и Scopus је 435 (без аутоцитата: 342) а h-индекс на основу база података Web of Science и Scopus је 12. Коаутор је два регистрована патента на националном нивоу.

Руководилац је следећих пројеката: пројекта од посебног значаја финансираног од стране Италијанског министарства спољних послова (Grande Rilevanza, 2016-2018); пројекта научне и технолошке сарадње између Републике Србије и Немачке за период 2014-2015. год. (Развој и евалуација терапеутика на бази биоактивних стакала за ткивно инжењерство и контролисану доставу лекова); пројекта научне и технолошке сарадње између Републике Србије и Републике Словеније за период 2016-2017. (Биокомпатибилне честице и скафолди пројектовани за доставу лекова и регенеративну медицину); координатор поднетог предлога пројекта за H2020 (Развој и евалуација терапеутика на бази полиестара за третман и превенцију Алцхајмерове болести). Члан је Управног одбора пројекта COST Акције TD1004 (Тераностички имиџинг и терапија: Акција у циљу развоја нових наносистема за сликом навођену доставу лекова, 2011-2015) и Управног одбора COST Акције CA15114 (Иновативне, антимикробне превлаке за превенцију инфективних болести, 2016-2020).

Члан је Председништва Заједнице института Србије од 2011. године до данас. Члан је научних друштава International Association of Physical Chemists (IAPC), Controlled Release Society (CRS), American Nano Society (ANS), Society of Chemical Industry (SCI), Bioencapsulation Research Group (network on microencapsulation), Association of Italian and Serbian scientists and researchers (AIS3), Друштва физикохемичара Србије.

Члан је организационог одбора Конференције младих истраживача "Наука и инжењерство нових материјала" од 2011. год. и потпредседник научног и организационог одбора ове конференције од 2013. године. Главни је организатор и члан научног комитета завршног састанка и конференције COST TD1004 одржане у згради САНУ у Београду 11. и 12. 09. 2015. До сада је одржала више предавања на међународним конференцијама, била председавајући више различитих секција на конференцијама и одржала неколико предавања по позиву. Ментор је на Факултету за физичку хемију Универзитета у Београду.

Евалуатор је под уговором, за Европску комисију (Research Executive Agency-REA), предлога пројеката поднетих за H2020, као и предлога пројеката за Израелско министарство науке. Рецезент је за врхунске међународне часописе: Materials Research Bulletin (Outstanding Reviewer Status), Acta Biomaterialia, RSC Advances, Nanomedicine-UK, Macromolecular Chemistry & Physics, Journal of Biomaterials Science: Polymer Edition, Nanotechnology, Langmuir, Biomedical Materials, Science of Advanced Materials, Journal of Hazardous Materials, ACS Applied Materials and Interfaces, BioInorganic Reaction Mechanisms, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Colloids and Surfaces B: Biointerfaces, Scientific Reports (Nature publishing group) као и за домаће часописе Хемијска индустрија и Техника-Нови материјали.

Добитник је награда Друштва за истраживање материјала за најбољу докторску дисертацију 2008 год., за најбољу магистарску тезу 2006 год. и за најбоље постерске презентације радова 2006 год и 2012 год.

Прилог 2

Библиографија др Магдалене Стевановић

M13 (7.0) – Монографска студија/поглавље у књизи M11 или рад у тематском зборнику водећег међународног значаја

1. **Magdalena Stevanović**, Dragan Uskoković, Encapsulation devices for vitamin C, In, Handbook of Vitamin C: Daily Requirements, Dietary Sources and Adverse Effects, **Editors:** Hubert Kucharski and Julek Zajac, **Publisher**: Nova Science Publishers, New York, Series: Nutrition and Diet Research Progress, Binding: Hardcover, (2009) pp. 185-211 **(ISBN:** 978-1-61324-970-3).
https://www.novapublishers.com/catalog/product_info.php?products_id=25824

2. **Magdalena Stevanović**, Dragan Uskoković, Encapsulation Devices for Vitamin C, in Encyclopedia of Vitamin Research (2 Volume Set), **Editors:** Joshua T. Mayer, **Publisher:** Nova Science Publishers Incor, New York, **Binding:** Hardcover, (2011) pp. 83-108 (**ISBN:** 978-1-61761-928-1).
https://www.novapublishers.com/catalog/product_info.php?cPath=796_802&products_id=18044&osCsid=295b590023148d77d7a04

након избора у звање виши научни сарадник

3. **Magdalena Stevanović**, Different roles and applications of poly (glutamic acid) in the biomedical field, In the book: Glutamic Acid: Chemistry, Food Sources and Health Benefits; Series: Biochemistry Research Trends: Protein Science and Engineering **Editors**: Dantel M. J. Balcazar and Esmeralda A. Reinoso Perez, **Publisher**: Nova Science Publishers Incor, New York, Binding: Hardcover, (2012 4th Quarter) pp. 63-79 (**ISBN**: 978-1-62257-236-6).
(https://www.novapublishers.com/catalog/product_info.php?products_id=31537)

4. **Magdalena Stevanović**, Silver nanoparticles with polymers as medical devices; In: Silver Nanoparticles: Synthesis, Uses and Health Concerns, **Editors**: Armentano Ilaria and Jose Maria Kenny; Series: Nanotechnology Science and Technology, Materials Science and Technologies; **Publisher**: Nova Science Publishers Incor, New York, Chapter 15, Pub date: 2013, **ISBN**: 978-1-62808-402-3. (https://www.novapublishers.com/catalog/product_info.php?products_id=43803&osCsid=4ae8245ae55e45a5746d463e8be4f53d)

5. **Magdalena Stevanović**, Assembly of Polymers/Metal Nanoparticles and their Applications as Medical Devices; Chapter 10, In Book: Advanced Biomaterials and Biodevices; (Advanced Materials Book Series),

Series Editor: Ashutosh Tiwari and Anis N. Nordin, Managing Editors: Swapneel Deshpande and Sudheesh K. Shukla, (**Publisher** John Wiley & Sons Inc WILEY-Scrivener Publishing, USA, Published 2014; pages 343-366, Binding: Hardcover Print **ISBN**: 9781118773635; DOI: 10.1002/9781118774052. (http://onlinelibrary.wiley.com/doi/10.1002/9781118774052.ch10/summary)

6. **Magdalena Stevanović**, Polymeric micro and nanoparticles for controlled and targeted drug delivery, Volume: Nanostructures for drug delivery; **Volume Editors**: Ecaterina Andronescu and Alexandru Mihai Grumezescu; Series: Nanostructures in therapeutic medicine Multi Volume SET (I-V), Series Editor: Alexandru Mihai GRUMEZESCU; **Publisher**: Elsevier, pp 1-37, 2016, accepted*.

M44 (2.0) - Поглавље у књизи М41 или рад у истакнутом тематском зборнику водећег националног значаја

7. **Magdalena Stevanović**, Dragana Jugović, Smilja Marković, Nenad Ignjatović, Miloš Bokorov, Dragan Uskoković, Institute of Technical Sciences of the Serbian Academy of Sciences and Arts-in 50 Years of electron Microscopy in Serbia: monography **Publisher:** Institute of Nuclear Science ”Vinča”, **For Publisher**: Dr Jovan Nedeljković, **Editors** Prof.dr Aleksandra Korać, dr Jasmina Grbović Novaković]. Beograd, 2006. (Serbian Society for Microscopy and Academy of Medical Science) pp. 95-99. (ISBN 86-7306-084-2).

M21a (10) - Рад у међународном часопису изузетних вредности (часопис који је у својој области наука међу првих 10% часописа)

8. **Magdalena Stevanović**, Tatjana Maksin, Jana Petković, Metka Filipič, Dragan Uskoković, An innovative quick and convenient labeling method for investigation of pharmacological behavior and metabolism of poly (dl-lactide-co-glycolide) nanospheres, ***Nanotechnology***, (2009), 20, 335102, 12pt (http://iopscience.iop.org.proxy.kobson.nb.rs:2048/article/10.1088/0957-4484/20/33/335102/meta;jsessionid=CC0083E44F14465EECAC5461C228121B.c3.iopscience.cld.iop.org) Engineering, Multidisciplinary 2/79; Materials Science, Multidisciplinary 31/214; Nanoscience & Nanotechnology 18/59; Physics, Applied 16/108_____**IF 3.137**

9. **Magdalena Stevanović**, Branimir Kovačević, Jana Petković, Metka Filipič, Dragan Uskoković, Effect of poly (α, γ, L-glutamic acid) as capping agent on the morphology and oxidative stress-dependent toxicity of silver nanoparticles, ***International Journal of Nanomedicine*** (2011):6 2837–2847 (ISSN 1176-9114)† (https://www.dovepress.com/effect-of-poly-alpha-gamma-l-glutamic-acid-as-a-capping-agent-on-morph-peer-reviewed-article-IJN)

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* Референца је наведена али није рачуната у бодовање јер још нема DOI и ISBN број
† Напомена: часопис је мењао ISSN број који је сада ISSN 1178-2013

Nanoscience & Nanotechnology 12/64; Pharmacology & Pharmacy 18/252_____**IF 4.976**

10. Jana Petković, Bojana Žegura, **Magdalena Stevanović**, Nataša Drnovšek, Dragan Uskoković, Saša Novak, Metka Filipič, DNA damage and alterations in expression of DNA damage responsive genes induced by TiO2 nanoparticles in human hepatoma HepG2 cells, ***Nanotoxicology***, September 2011, Vol. 5, No. 3 , Pages 341-353 (doi:10.3109/17435390.2010.507316) http://www.tandfonline.com.proxy.kobson.nb.rs:2048/doi/abs/10.3109/17435390.2010.507316?journalCode=inan20)

Nanoscience & Nanotechnology 12/66; Toxicology 4/83_____**IF 5.758**

након избора у звање виши научни сарадник

11. Nenad Filipović, **Magdalena Stevanović**, Aleksandra Radulović, Vladimir Pavlović, Dragan Uskoković, Facile synthesis of poly(ε-caprolactone) micro and nanospheres using different types of polyelectrolytes as stabilizers under ambient and elevated temperature, ***Composites: Part B: Engineering*** (2013), Volume 45 Issue 1, Pages 1471–1479 (http://www.sciencedirect.com/science/article/pii/S1359836812004398)

Engineering, Multidisciplinary 7/87 Materials Science, Composites 5/24_____**IF 2.602**

12. **Magdalena Stevanović**, Ines Bračko, Marina Milenković, Nenad Filipović, Jana Nunić, Metka Filipič, Dragan P. Uskoković, Multifunctional PLGA particles containing poly (L-glutamic acid)-capped silver nanoparticles and ascorbic acid with simultaneous antioxidative and prolonged antimicrobial activity, ***Acta Biomaterialia***, (2014) Volume 10, Issue 1, Pages 151–162 (http://dx.doi.org/10.1016/j.actbio.2013.08.030)

Engineering, Biomedical 3/76 Materials Science, Biomaterials 2/33; _____**IF 6.025**

M21 (8.0) - Рад у врхунском међународном часопису (часопис који је у својој области наука међу првих 30% часописа)

13. **Magdalena Stevanović**, Igor Savanović, Vuk Uskoković, Srečo D. Škapin, Ines Bračko, Uroš Jovanović and Dragan Uskoković -A new, simple, green, and one-pot four-component synthesis of bare and poly(α, γ, L-glutamic acid) capped silver nanoparticles- ***Colloid and Polymer Science*** (2012) 290: 221-231. (http://link.springer.com.proxy.kobson.nb.rs:2048/article/10.1007%2Fs00396-011-2540-7)

Polymer Science 24/83, Chemistry, Physical 65/135_____**IF 2.161**

14. **Magdalena Stevanović**, Dragan Uskoković, Poly(lactide-co-glycolide)-based micro and nanoparticles for the controlled drug delivery of vitamins, review article, ***Current Nanoscience*****,** 5, 1, (2009), p 1-14 (http://www.itn.sanu.ac.rs/images/CN-Stevanovic.pdf)

Materials Science, Multidisciplinary 23/189; Biotechnology & Applied Microbiology 40/138; Nanoscience & Nanotechnology 9/46_____**IF 2.793**

након избора у звање виши научни сарадник

15. **Magdalena Stevanović**, Miloš Filipović, Vuk Uskoković, Srečo D. Škapin, Dragan P. Uskoković, Composite PLGA/AgNpPGA/AscH nanospheres with combined osteoinductive, antioxidative and antimicrobial activities, ***ACS Applied Materials and Interfaces*** (2013),Volume 5, Issue 18, pp 9034-9042 DOI: 10.1021/am402237g (http://pubs.acs.org.proxy.kobson.nb.rs:2048/doi/abs/10.1021/am402237g)
Materials Science, Multidisciplinary 26/251 Nanoscience & Nanotechnology 16/73_____**IF 5.900**

16. **Magdalena M. Stevanović**, Srečo D. Škapin, Ines Bračko, Marina Milenković, Jana Petković, Metka Filipič, Dragan P. Uskoković, Poly(lactide-co-glycolide)/silver nanoparticles: Synthesis, characterization, antimicrobial activity, cytotoxicity assessment and ROS-inducing potential, ***Polymer*** 53 (June 2012) 2818-2828 (http://www.sciencedirect.com.proxy.kobson.nb.rs:2048/science/article/pii/S0032386112003886)
Polymer Science 15/83_____**IF 3.379**

17. Zoran Stojanović, Mojca Otoničar, Jongwook Lee, **Magdalena M. Stevanović**, Mintai P. Hwang, Kwan Hyi Lee, Jonghoon Choi, Dragan Uskoković, The solvothermal synthesis of magnetic iron oxide nano crystals and the preparation of hybrid poly(L-lactide)-polyethyleneimine magnetic particles, ***Colloids and Surfaces B: Biointerfaces*** 109 (2013) 236– 243 (https://www.ncbi.nlm.nih.gov/pubmed/23660309)
Biophysics 14/74, Chemistry, Physical 32/136, Materials Science, Biomaterials 7/32 _____**IF 4.287**

18. Nenad Filipović, **Magdalena Stevanović**, Jana Nunić, Sandra Cundrič, Metka Filipič, Dragan Uskoković, Synthesis of poly(ε-caprolactone) nanospheres in the presence of poly(glutamic acid) as protective agent and its cytotoxicity, oxidative stress and genotoxicity in HepG2 cells, ***Colloids and Surfaces B: Biointerfaces***, (2014) 17, 414-424. (http://www.sciencedirect.com.proxy.kobson.nb.rs:2048/science/article/pii/S0927776514001350)
Biophysics 14/74, Chemistry, Physical 32/136, Materials Science, Biomaterials 7/32 _____**IF 4.287**

19. Miodrag J. Lukić, Ljiljana Veselinović, **Magdalena Stevanović**, M. Maček-Kržmanc, Jana Nunić, Smilja Marković, Dragan Uskoković, Synthesis of hydroxyapatite nanopowders in the presence of zirconium ions, ***Materials Letters*** (2014) 122 PP. 296 – 300. (http://www.sciencedirect.com.proxy.kobson.nb.rs:2048/science/article/pii/S0167577X1400295X)
Materials Science, Multidisciplinary 60/260 Physics, Applied 32/144_____**IF 2.489**

20. **Magdalena Stevanović**, Nenad Filipović, Jelena Djurdjević, Miodrag Lukić, Marina Milenković, Aldo Boccaccini, 45S5 Bioglass®-based scaffolds coated with selenium nanoparticles or with poly(lactide-co-glycolide)/selenium particles: Processing, evaluation and antibacterial activity, ***Colloids and Surfaces B: Biointerfaces,*** (2015), 132 208-215 (http://www.sciencedirect.com.proxy.kobson.nb.rs:2048/science/article/pii/S0927776515003227)
Biophysics 14/74, Chemistry, Physical 32/136, Materials Science, Biomaterials 7/32_____**IF 4.287**

M22 (5.0) - Рад у истакнутом међународном часопису (часопис који је у својој области наука међу првих 60% часописа)

21. **Magdalena Stevanović**, Vladimir Pavlović, Jana Petković, Metka Filipič, Dragan Uskoković, ROS-inducing potential, influence of different porogens and in vitro degradation of poly (D,L-lactide-co-glycolide)-based material, ***Express Polymer Letters***, Vol.5, No.11 (2011) 996–1008. (http://www.kobson.nb.rs.proxy.kobson.nb.rs:2048/servisi.130.html?issn=1788-618X)
Polymer Science 28/79_____**IF 1.769**

22. **Magdalena Stevanović**, Branka Jordović, Dragan Uskoković, Preparation and characterization of poly(D,L-lactide-co-glycolide) nanoparticles containing ascorbic acid, ***Journal of Biomedicine and Biotechnology,*** (volume 2007), article id 84965, (doi:10.1155/2007/84965) (https://www.ncbi.nlm.nih.gov/pubmed/18273414)
Biotechnology & Applied Microbiology 72/138, Medicine, Research & Experimental 38/81_____ **IF 1.922**

23. **Magdalena Stevanović**, Jasmina Savić, Branka Jordović, Dragan Uskoković, Fabrication, in vitro degradation and the release behaviours of poly(DL-lactide-co-glycolide) nanospheres containing ascorbic acid, ***Colloids and Surfaces B: Biointerfaces***, 59 (2007), 215-223 (doi:10.1016/j.colsurfb.2007.05.011) (http://www.sciencedirect.com.proxy.kobson.nb.rs:2048/science/article/pii/S0927776507002081)
Biophysics 40/69, Chemistry, Physical 45/110, Materials Science, Biomaterials 6/16_____**IF 2.109**

24. **Magdalena Stevanović**, Nenad Ignjatović, Branka Jordović, Dragan Uskoković, Stereological analysis of the poly (DL-lactide-co-glycolide) submicron sphere prepared by solvent/non-solvent chemical methods and centrifugal processing, ***Journal of Materials Science: Materials in Medicine***, 18, No. 7 (2007) 1339-1344 (doi: 10.1007/s10856-007-0156-8) (http://link.springer.com.proxy.kobson.nb.rs:2048/article/10.1007%2Fs10856-007-0156-8)
Engineering, Biomedical 21/44, Materials Science, Biomaterials 11/16_____**IF 1.581**

25. **Magdalena Stevanović**, Branka Jordović, Dragan Uskoković, Morphological changes of poly(DL-lactide-co-glycolide) nanoparticles containing ascorbic acid during in vitro degradation process, ***Journal of***

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M34 (0.5) - Саопштење са међународног скупа штампано у изводу

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M51 (2.0) - Рад у водећем часопису националног значаја

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M64 (0.2): Саопштење са скупа националног значаја штампано у изводу

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M92 (12.0) - Регистрован патент на националном нивоу

након избора у звање виши научни сарадник

78. **Patent upisan u Registar patenata Zavoda za intelektualnu svojinu pod brojem 52770**. datum 25. 06. 2013. Naziv: Postupak dobijanja mikrosfera bioresorbilnog polimera poli(DL-laktid-ko-glikolida) koje sadrže askorbinsku kiselinu-Nosilac patenta ITN SANU, pronalazači Dragan Uskoković, **Magdalena Stevanović** Republika Srbija Zavod za intelektualnu svojinu patent Broj: 1565/07; P-2006/0542 Beograd.

79. **Patent upisan u Registar patenata Zavoda za intelektualnu svojinu pod brojem 53485**; 20.10.2014. godine Naziv: Postupak dobijanja multifunkcionalnih mikro i nanokompozitnih sfera sa nanočesticama srebra obloženim biodegradabilnim polimerima pronalazači Dragan Uskoković, **Magdalena Stevanović**, Igor Savanović Republika Srbija Zavod za intelektualnu svojinu patent broj 2014/8009-P-2011/0073.

Табела постигнутих резултата

Ознака групе	**Број радова**	**Вредност индикатора**	Укупна вредност
M_{13}	**5**	**7**	**35**
M_{41}	**1**	**2**	**2**
M_{21A}	**5**	**10**	**50**
M_{21}	**8**	**8**	**64/62,67***
M_{22}	**6**	**5**	**30**
M_{23}	**6**	**3**	**18**
M_{33}	**8**	**1**	**8**
M_{34}	**26**	**0.5**	**13/12,1****
M_{51}	**1**	**2**	**2**
M_{52}	**1**	**1.5**	**1.5**
M_{64}	**7**	**0.2**	**1.4**
M_{71}	**1**	**6**	**6**
M_{72}	**1**	**3**	**3**
M_{92}	**2**	**12**	**24**
		Укупно	**257,9**
		Укупно нормирано	**255,7**

*један M21 рад је нормиран јер је са бројем коаутора 8

**пет саопштења M34 је нормирано јер су са већим бројем коаутора од 7

Табела постигнутих резултата након избора у звање виши научни сарадник

Ознака групе	Број радова	Вредност індікатора	Укупна вредност
M_{13}	**3**	**7**	**21**
M_{21A}	**2**	**10**	**20**
M_{21}	**6**	**8**	**48/46,7***
M_{23}	**1**	**3**	**3**
M_{33}	**1**	**1**	**1**
M_{34}	**15**	**0.5**	**7.5/6,6****
M_{52}	**1**	**1.5**	**1.5**
M_{92}	**2**	**12**	**24**
		Укупно	**126**
		Укупно нормирано	**123,8**

КВАНТИТАТИВНИ КРИТЕРИЈУМИ ЗА ИЗБОР У НАУЧНО ЗВАЊЕ НАУЧНИ САВЕТНИК

обавезан услов	**остварено**
Укупно: **70**	Укупно: **126** (нормирано **123,8)**
(обавезни 1) M10+M20+M31+M32+M33+ M41+M42 ≥ **50**	M10+M20+M31+M32+M33+ M41+M42 = **93** нормирано **91,7**
(обавезни 2) M11+M12+M21+M22+M23 ≥ **35**	M11+M12+M21+M22+M23 = **71** нормирано **69,7**
(обавезни 3) M11-M14+M41+M42 ≥ **7**	M11-M14+M41+M42=**21**

Прилог 3

Извештај о цитираности др Магдалене Стевановић
на дан 19. 10. 2016.

Укупан број цитата у бази података Web of Science: 381 (без аутоцитата: 305)
Н-индекс на основу података из Web of Science: 11

Укупан број цитата у базама података Web of Science и Scopus: 435 (без аутоцитата: 342)
Н-индекс на основу цитата из база података Web of Science и Scopus: 12

Title: DNA damage and alterations in expression of DNA damage responsive genes induced by TiO(2) nanoparticles in human hepatoma HepG2 cells
Author(s): Petkovic, Jana; Zegura, Bojana; Stevanovic, Magdalena; et al.
Source: Nanotoxicology Volume: 5 Issue: 3 Pages: 341-353 Published: SEP 2011
DOI: 10.3109/17435390.2010.507316

1. Evaluation of titanium dioxide nanocrystal-induced genotoxicity by the cytokinesis-block micronucleus assay and the Drosophila wing spot test
   By: Reis, Erica de Melo; Alves de Rezende, Alexandre Azenha; de Oliveira, Pollyanna Francielli; et al.
   FOOD AND CHEMICAL TOXICOLOGY Volume: 96 Pages: 309-319 Published: OCT 2016
2. Stoccoro A, Di Bucchianico S, Uboldi C, Coppedè F, Ponti J, Placidi C, Blosi M, Ortelli S, Costa AL, Migliore L. A panel of in vitro tests to evaluate genotoxic and morphological neoplastic transformation potential on Balb/3T3 cells by pristine and remediated titania and zirconia nanoparticles. Mutagenesis 2016;31(5):511-29. (Scopus)
3. Lettino A, Belviso C, Cavalcante F, Fiore S. Environmental risk induced by TiO2 dispersions in waters and sediments: A case study. Environ Geochem Health 2016;38(1):73-84.
4. Influence of selected anti-cancer drugs on the induction of DNA double-strand breaks and changes in gene expression in human hepatoma HepG2 cells
   By: Novak, Matjaz; Zegura, Bojana; Baebler, Spela; et al.
   ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH Volume: 23 Issue: 15 Pages: 14751-14761 Published: AUG 2016
5. Surface reactivity and in vitro toxicity on human bronchial epithelial cells (BEAS-2B) of nanomaterials intermediates of the production of titania-based composites
   By: Vergaro, Viviana; Aldieri, Elisabetta; Fenoglio, Ivana; et al.
   TOXICOLOGY IN VITRO Volume: 34 Pages: 171-178 Published: AUG 2016
6. Differential Genomic Effects of Six Different TiO2 Nanomaterials on Human Liver HepG2 Cells
   By: Thai, Sheau-Fung; Wallace, Kathleen A.; Jones, Carlton P.; et al.
   JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY Volume: 30
7. TiO2 nanoparticles cause cell damage independent of apoptosis and autophagy by impairing the ROS-scavenging system in Pichia pastoris
   By: Liu, Zhe; Zhang, Meng; Han, Xueying; et al.
   CHEMICO-BIOLOGICAL INTERACTIONS Volume: 252 Pages: 9-18 Published: MAY 25 2016
8. Diversity of TiO2 nanopowders' characteristics relevant to toxicity testing
   By: Novak, Sasa; Lorenzetti, Martina; Drame, Anja; et al.
   JOURNAL OF NANOPARTICLE RESEARCH Volume: 18 Issue: 5 Article Number: 130 Published: MAY 12 2016
9. Microglial cells (BV-2) internalize titanium dioxide (TiO2) nanoparticles: toxicity and cellular responses
   By: Rihane, Naima; Nury, Thomas; M'rad, Imen; et al.
   ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH Volume: 23 Issue: 10 Pages: 9690-9699 Published: MAY 2016
10. Murine liver damage caused by exposure to nano-titanium dioxide
    By: Hong, Jie; Zhang, Yu-Qing
    NANOTECHNOLOGY Volume: 27 Issue: 11 Article Number: 112001 Published: MAR 18 2016

11. Downregulation of B-cell lymphoma/leukemia-2 by overexpressed microRNA 34a enhanced titanium dioxide nanoparticle-induced autophagy in BEAS-2B cells
By: Bai, Wenlin; Chen, Yujiao; Sun, Pengling; et al.
INTERNATIONAL JOURNAL OF NANOMEDICINE Volume: 11 Pages: 1959-1971 Published: 2016
12. Internalization of titanium dioxide nanoparticles by glial cells is given at short times and is mainly mediated by actin reorganization-dependent endocytosis
By: Huerta-Garcia, Elizabeth; Gissela Marquez-Ramirez, Sandra; del Pilar Ramos-Godinez, Maria; et al.
NEUROTOXICOLOGY Volume: 51 Pages: 27-37 Published: DEC 2015
13. A Review of Molecular Mechanisms Involved in Toxicity of Nanoparticles
By: Fard, Javad Khalili; Jafari, Samira; Eghbal, Mohammad Ali
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14. First development to model aerosol emission from solid surfaces subjected to mechanical stresses: I. Development and results
By: Shandilya, Neeraj; Morgeneyer, Martin; Le Bihan, Olivier
JOURNAL OF AEROSOL SCIENCE Volume: 89 Pages: 43-57 Published: NOV 2015
15. Assessment of cytotoxicity and oxidative stress induced by titanium oxide nanoparticles on Chinook salmon cells
By: Srikanth, Koigoora; Pereira, Eduarda; Duarte, Armando C.; et al.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH Volume: 22 Issue: 20 Pages: 15579-15586 Published: OCT 2015
16. Different mechanisms are involved in oxidative DNA damage and genotoxicity induction by ZnO and TiO2 nanoparticles in human colon carcinoma cells
By: Zijno, Andrea; De Angelis, Isabella; De Berardis, Barbara; et al.
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17. The role of p53 in lung macrophages following exposure to a panel of manufactured nanomaterials
By: Belade, Esther; Chrusciel, Sandra; Armand, Lucie; et al.
ARCHIVES OF TOXICOLOGY Volume: 89 Issue: 9 Pages: 1543-1556 Published: SEP 2015
18. Role of Carnosine and Melatonin in Ameliorating Cardiotoxicity of Titanium Dioxide Nanoparticles in the Rats
By: Al-Rasheed, Nouf; Faddah, Laila; Ibrahim, Hanan; et al.
BRAZILIAN ARCHIVES OF BIOLOGY AND TECHNOLOGY Volume: 58 Issue: 4 Pages: 577-586 Published: JUL-AUG 2015
19. Drosophila melanogaster as a model organism to study nanotoxicity
By: Ong, Cynthia; Yung, Lin-Yue Lanry; Cai, Yu; et al.
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20. Oxidative and pro-inflammatory effects of cobalt and titanium oxide nanoparticles on aortic and venous endothelial cells
By: Alinovi, Rossella; Goldoni, Matteo; Pinelli, Silvana; et al.
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21. Cytotoxicity, DNA damage, and apoptosis induced by titanium dioxide nanoparticles in human non-small cell lung cancer A549 cells
By: Wang, Yurong; Cui, Haiyan; Zhou, Jiaping; et al.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH Volume: 22 Issue: 7 Pages: 5519-5530 Published: APR 2015
22. Effects of Titanium Dioxide Nanoparticles Isolated from Confectionery Products on the Metabolic Stress Pathway in Human Lung Fibroblast Cells
By: Periasamy, Vaiyapuri Subbarayan; Athinarayanan, Jegan; Al-Hadi, Ahmed M.; et al.
ARCHIVES OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY Volume: 68 Issue: 3 Pages: 521-533 Published: APR 2015
23. Importance of a Nanoscience Approach in the Understanding of Major Aqueous Contamination Scenarios: Case Study from a Recent Coal Ash Spill
By: Yang, Yi; Colman, Benjamin P.; Bernhardt, Emily S.; et al.
ENVIRONMENTAL SCIENCE & TECHNOLOGY Volume: 49 Issue: 6 Pages: 3375-3382 Published: MAR 17 2015
24. Emission of Titanium Dioxide Nanoparticles from Building Materials to the Environment by Wear and Weather
By: Shandilya, Neeraj; Le Bihan, Olivier; Bressot, Christophe; et al.

ENVIRONMENTAL SCIENCE & TECHNOLOGY Volume: 49 Issue: 4 Pages: 2163-2170 Published: FEB 17 2015
25. Identification of Nanoscale Ingredients in Commercial Food Products and their Induction of Mitochondrially Mediated Cytotoxic Effects on Human Mesenchymal Stem Cells
By: Athinarayanan, Jegan; Alshatwi, Ali A.; Periasamy, Vaiyapuri S.; et al.
JOURNAL OF FOOD SCIENCE Volume: 80 Issue: 2 Pages: N459-N464 Published: FEB 2015
26. Biology of the cell cycle inhibitor p21(CDKN1A): molecular mechanisms and relevance in chemical toxicology
By: Dutto, Ilaria; Tillhon, Micol; Cazzalini, Ornella; et al.
ARCHIVES OF TOXICOLOGY Volume: 89 Issue: 2 Pages: 155-178 Published: FEB 2015
27. Distinct expression profiles of stress defense and DNA repair genes in Daphnia pulex exposed to cadmium, zinc, and quantum dots
By: Tang, Song; Wu, Yonggan; Ryan, Caitlin N.; et al.
CHEMOSPHERE Volume: 120 Pages: 92-99 Published: FEB 2015
28. Identification of titanium dioxide nanoparticles in food products: Induce intracellular oxidative stress mediated by TNF and CYP1A genes in human lung fibroblast cells
By: Periasamy, Vaiyapuri Subbarayan; Athinarayanan, Jegan; Al-Hadi, Ahmed M.; et al.
ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY Volume: 39 Issue: 1 Pages: 176-186 Published: JAN 2015
29. Effects of acute systemic administration of TiO2, ZnO, SiO2, and Ag nanoparticles on hemodynamics, hemostasis and leukocyte recruitment
By: Haberl, Nadine; Hirn, Stephanie; Holzer, Martin; et al.
NANOTOXICOLOGY Volume: 9 Issue: 8 Pages: 963-971 Published: 2015
30. Long-term exposures to low doses of titanium dioxide nanoparticles induce cell transformation, but not genotoxic damage in BEAS-2B cells
By: Vales, Gerard; Rubio, Laura; Marcos, Ricard
NANOTOXICOLOGY Volume: 9 Issue: 5 Pages: 568-578 Published: 2015
31. Cross talk between poly(ADP-ribose) polymerase 1 methylation and oxidative stress involved in the toxic effect of anatase titanium dioxide nanoparticles
By: Bai, Wenlin; Chen, Yujiao; Gao, Ai
INTERNATIONAL JOURNAL OF NANOMEDICINE Volume: 10 Pages: 5561-5569 Published: 2015
32. Comparison of Oxidative Stresses Mediated by Different Crystalline Forms and Surface Modification of Titanium Dioxide Nanoparticles
By: El-Said, Karim Samy; Ali, Ehab Mostafa; Kanehira, Koki; et al.
JOURNAL OF NANOMATERIALS Article Number: 703632 Published: 2015
33. Applications of the comet assay in particle toxicology: air pollution and engineered nanomaterials exposure
By: Moller, Peter; Hemmingsen, Jette Gjerke; Jensen, Ditte Marie; et al.
MUTAGENESIS Volume: 30 Issue: 1 Pages: 67-83 Published: JAN 2015
34. Genotoxicity of metal oxide nanomaterials: review of recent data and discussion of possible mechanisms
By: Golbamaki, Nazanin; Rasulev, Bakhtiyor; Cassano, Antonio; et al.
NANOSCALE Volume: 7 Issue: 6 Pages: 2154-2198 Published: 2015
35. Genotoxic and cell-transforming effects of titanium dioxide nanoparticles
By: Demir, Esref; Akca, Hakan; Turna, Fatma; et al.
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39. Probing the relevance of 3D cancer models in nanomedicine research
By: Leong, David T.; Ng, Kee Woei
ADVANCED DRUG DELIVERY REVIEWS Volume: 79-80 Pages: 95-106 Published: DEC 15 2014
40. A cell-based biosensor system HepG2CDKN1A-DsRed for rapid and simple detection of genotoxic agents
By: Blagus, Tanja; Zager, Valerija; Cemazar, Maja; et al.
BIOSENSORS & BIOELECTRONICS Volume: 61 Pages: 102-111 Published: NOV 15 2014
41. Evaluation of cytotoxic, genotoxic and inflammatory response in human alveolar and bronchial epithelial cells exposed to titanium dioxide nanoparticles
By: Ursini, Cinzia Lucia; Cavallo, Delia; Fresegna, Anna Maria; et al.
JOURNAL OF APPLIED TOXICOLOGY Volume: 34 Issue: 11 Pages: 1209-1219 Published: NOV 2014
42. Hepatotoxicity and liver injury induced by hydroxyapatite nanoparticles
By: Chen, Qingqing; Xue, Yang; Sun, Jiao
JOURNAL OF APPLIED TOXICOLOGY Volume: 34 Issue: 11 Pages: 1256-1264 Published: NOV 2014
43. Autophagy as a Possible Underlying Mechanism of Nanomaterial Toxicity
By: Cohignac, Vanessa; Landry, Marion Julie; Boczkowski, Jorge; et al.
NANOMATERIALS Volume: 4 Issue: 3 Pages: 548-582 Published: SEP 2014
44. Acute Effects of TiO2 Nanomaterials on the Viability and Taxonomic Composition of Aquatic Bacterial Communities Assessed via High-Throughput Screening and Next Generation Sequencing
By: Chu Thi Thanh Binh; Tong, Tiezheng; Gaillard, Jean-Francois; et al.
PLOS ONE Volume: 9 Issue: 8 Article Number: e106280 Published: AUG 27 2014
45. Random amplified polymorphic DNA reveals that TiO2 nanoparticles are genotoxic to Cucurbita pepo
By: Moreno-Olivas, Fabiola; Gant, Vincent U., Jr.; Johnson, Kyle L.; et al.
JOURNAL OF ZHEJIANG UNIVERSITY-SCIENCE A Volume: 15 Issue: 8 Pages: 618-623 Published: AUG 2014
46. Titanium dioxide nanoparticles induce strong oxidative stress and mitochondrial damage in glial cells
By: Huerta-Garcia, Elizabeth; Antonio Perez-Arizti, Jose; Gissela Marquez-Ramirez, Sandra; et al.
FREE RADICAL BIOLOGY AND MEDICINE Volume: 73 Pages: 84-94 Published: AUG 2014
47. Effect of the Normal Load on the Release of Aerosol Wear Particles During Abrasion
By: Shandilya, Neeraj; Le Bihan, Olivier; Morgeneyer, Martin
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48. Three human cell types respond to multi-walled carbon nanotubes and titanium dioxide nanobelts with cell-specific transcriptomic and proteomic expression patterns
By: Tilton, Susan C.; Karin, Norman J.; Tolic, Ana; et al.
NANOTOXICOLOGY Volume: 8 Issue: 5 Pages: 533-548 Published: AUG 2014
49. Postprandial Activation of P53-Dependent DNA Repair Is Modified by Mediterranean Diet Supplemented With Coenzyme Q(10) in Elderly Subjects
By: Gutierrez-Mariscal, Francisco M.; Yubero-Serrano, Elena M.; Rangel-Zuniga, Oriol A.; et al.
JOURNALS OF GERONTOLOGY SERIES A-BIOLOGICAL SCIENCES AND MEDICAL SCIENCES Volume: 69 Issue: 7 Pages: 886-893 Published: JUL 2014
50. Risk assessment of nanoparticles in consumer products
By: Hackenberg, S.
HNO Volume: 62 Issue: 6 Pages: 432-+ Published: JUN 2014
51. Cellular Interactions and Biological Responses to Titanium Dioxide Nanoparticles in HepG2 and BEAS-2B Cells: Role of Cell Culture Media
By: Prasad, Raju Y.; Simmons, Steven O.; Killius, Micaela G.; et al.
ENVIRONMENTAL AND MOLECULAR MUTAGENESIS Volume: 55 Issue: 4 Pages: 336-342 Published: MAY 2014
52. Mechanisms of genotoxicity. A review of in vitro and in vivo studies with engineered nanoparticles
By: Magdolenova, Zuzana; Collins, Andrew; Kumar, Ashutosh; et al.
NANOTOXICOLOGY Volume: 8 Issue: 3 Pages: 233-278 Published: MAY 2014
53. High-Throughput Screening Platform for Engineered Nanoparticle-Mediated Genotoxicity Using Comet Chip Technology
By: Watson, Christa; Ge, Jing; Cohen, Joel; et al.
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54. TiO2 nanoparticles and bulk material stimulate human peripheral blood mononuclear cells
By: Becker, Kathrin; Schroecksnadel, Sebastian; Geisler, Simon; et al.
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55. Titanium dioxide nanoparticle-induced oxidative stress triggers DNA damage and hepatic injury in mice
By: Shukla, Ritesh K.; Kumar, Ashutosh; Vallabani, Naga Veera Srikanth; et al.
NANOMEDICINE Volume: 9 Issue: 9 Pages: 1423-1434 Published: 2014
56. Evaluation of the Particle Aerosolization from n-TiO2 Photocatalytic Nanocoatings under Abrasion
By: Shandilya, Neeraj; Le Bihan, Olivier; Bressot, Christophe; et al.
JOURNAL OF NANOMATERIALS Article Number: 185080 Published: 2014
57. Toxicological profile of small airway epithelial cells exposed to gold nanoparticles
By: Ng, Cheng-Teng; Li, Jasmine Jia'En; Gurung, Resham Lal; et al.
EXPERIMENTAL BIOLOGY AND MEDICINE Volume: 238 Issue: 12 Pages: 1355-1361 Published: DEC 2013
58. Genotoxic and carcinogenic potential of engineered nanoparticles: an update
By: Kumar, Ashutosh; Dhawan, Alok
ARCHIVES OF TOXICOLOGY Volume: 87 Issue: 11 Pages: 1883-1900 Published: NOV 2013
59. Experimental evidence of false-positive Comet test results due to TiO2 particle - assay interactions
By: Rajapakse, Katarina; Drobne, Damjana; Kastelec, Damijana; et al.
NANOTOXICOLOGY Volume: 7 Issue: 5 Pages: 1043-1051 Published: AUG 2013
60. Comparative study on effects of two different types of titanium dioxide nanoparticles on human neuronal cells
By: Valdiglesias, Vanessa; Costa, Carla; Sharma, Vyom; et al.
FOOD AND CHEMICAL TOXICOLOGY Volume: 57 Pages: 352-361 Published: JUL 2013
61. Health and Ecosystem Risks of Graphene
By: Hu, Xiangang; Zhou, Qixing
CHEMICAL REVIEWS Volume: 113 Issue: 5 Pages: 3815-3835 Published: MAY 2013
62. Titanium dioxide nanoparticles: a review of current toxicological data
By: Shi, Hongbo; Magaye, Ruth; Castranova, Vincent; et al.
PARTICLE AND FIBRE TOXICOLOGY Volume: 10 Article Number: 15 Published: APR 15 2013
63. Nanotoxicology of common metal oxide based nanomaterials: their ROS-y and non-ROS-y consequences
By: Setyawati, Magdiel Inggrid; Fang, Wanru; Chia, Sing Ling; et al.
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64. Cytotoxic and genotoxic characterization of titanium dioxide, gadolinium oxide, and poly(lactic-co-glycolic acid) nanoparticles in human fibroblasts
By: Setyawati, Magdiel Inggrid; Khoo, Pheng Kian Stella; Eng, Bao Hui; et al.
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A Volume: 101 Issue: 3 Pages: 633-640 Published: MAR 2013
65. TiO2 nanoparticles induce oxidative DNA damage and apoptosis in human liver cells
By: Shukla, Ritesh K.; Kumar, Ashutosh; Gurbani, Deepak; et al.
NANOTOXICOLOGY Volume: 7 Issue: 1 Pages: 48-60 Published: FEB 2013
66. Genotoxicity and induction of DNA damage responsive genes by food-borne heterocyclic aromatic amines in human hepatoma HepG2 cells
By: Pezdirc, Marko; Zegura, Bojana; Filipic, Metka
FOOD AND CHEMICAL TOXICOLOGY Volume: 59 Pages: 386-394 Published: SEP 2013
67. Size influences the cytotoxicity of poly (lactic-co-glycolic acid) (PLGA) and titanium dioxide (TiO2) nanoparticles
By: Xiong, Sijing; George, Saji; Yu, Haiyang; et al.
ARCHIVES OF TOXICOLOGY Volume: 87 Issue: 6 Pages: 1075-1086 Published: JUN 2013
68. Specific surface area of titanium dioxide (TiO2) particles influences cyto- and photo-toxicity
By: Xiong, Sijing; Tang, Yuxin; Ng, Huiyun Sheena; et al.
TOXICOLOGY Volume: 304 Pages: 132-140 Published: FEB 8 2013
69. The importance of a validated standard methodology to define in vitro toxicity of nano-TiO2
By: Valant, Janez; Iavicoli, Ivo; Drobne, Damjana
PROTOPLASMA Volume: 249 Issue: 3 Pages: 493-502 Published: JUL 2012
70. Gene Expression in Liver Injury Caused by Long-term Exposure to Titanium Dioxide Nanoparticles in Mice

By: Cui, Yaling; Liu, Huiting; Ze, Yuguan; et al.
TOXICOLOGICAL SCIENCES Volume: 128 Issue: 1 Pages: 171-185 Published: JUL 2012

71. The potential health risk of titania nanoparticles
By: Zhang, Ruinan; Bai, Yuhong; Zhang, Bin; et al.
JOURNAL OF HAZARDOUS MATERIALS Volume: 211 Special Issue: SI Pages: 404-413 Published: APR 15 2012
72. Toxicity of nanomaterials
By: Sharifi, Shahriar; Behzadi, Shahed; Laurent, Sophie; et al.
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74. Titanium dioxide in our everyday life; is it safe?
By: Skocaj, Matej; Filipic, Metka; Petkovic, Jana; et al.
RADIOLOGY AND ONCOLOGY Volume: 45 Issue: 4 Pages: 227-247 Published: DEC 2011
75. Pre-irradiation of anatase TiO2 particles with UV enhances their cytotoxic and genotoxic potential in human hepatoma HepG2 cells
By: Petkovic, Jana; Kuezma, Tadeja; Rade, Katja; et al.
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Аутоцитати

76. Synthesis of poly(epsilon-caprolactone) nanospheres in the presence of the protective agent poly(glutamic acid) and their cytotoxicity, genotoxicity and ability to induce oxidative stress in HepG2 cells
By: Filipovic, Nenad; Stevanovic, Magdalena; Nunic, Jana; et al.
COLLOIDS AND SURFACES B-BIOINTERFACES Volume: 117 Pages: 414-424 Published: MAY 1 2014
77. Hydroxyapatite nanopowders prepared in the presence of zirconium ions
By: Lukic, M. J.; Veselinovic, Lj.; Stevanovic, M.; et al.
MATERIALS LETTERS Volume: 122 Pages: 296-300 Published: MAY 1 2014
78. Development of lyophilized spherical particles of poly(epsilon-caprolactone) and examination of their morphology, cytocompatibility and influence on the formation of reactive oxygen species
By: Stupar, P.; Pavlovic, V.; Nunic, J.; et al.
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4. 45S5Bioglass (R)-based scaffolds coated with selenium nanoparticles or with poly(lactide-co-glycolide)/selenium particles: Processing, evaluation and antibacterial activity
   By: Stevanovic, Magdalena; Filipovic, Nenad; Djurdjevic, Jelena; et al.
   COLLOIDS AND SURFACES B-BIOINTERFACES Volume: 132 Pages: 208-215 Published: AUG 1 2015

Title: The stabilizer influence on morphological characteristics of poly-(DL-lactide-co-glycolide) nanospheres
Author(s): Stevanovic, M; Jordovic, B; Nedic, Z; et al.
Source: Research Trends in Contemporary Materials Science Volume: 555 Pages: 447-452 Published: 2007
Times Cited: 4

1. Uskoković, D. 2007. "Controlled Designing of Fine Particles at Molecular and Nano Levels." in Materials Science and Technology Conference and Exhibition, MS and T'07 - "Exploring Structure, Processing, and Applications Across Multiple Materials Systems", **ISBN:** 978-160560133-5 www.scopus.com.

Аутоцитати
2. Poly(lactide-co-glycolide)-based Micro and Nanoparticles for the Controlled Drug Delivery of Vitamins
   By: Stevanovic, Magdalena; Uskokovic, Dragan
   CURRENT NANOSCIENCE Volume: 5 Issue: 1 Pages: 1-14 Published: FEB 2009
3. Poly(DL-lactide-co-glycolide) Nanospheres for the Sustained Release of Folic Acid
   By: Stevanovic, Magdalena; Radulovic, Aleksandra; Jordovic, Branka; et al.
   JOURNAL OF BIOMEDICAL NANOTECHNOLOGY Volume: 4 Issue: 3 Special Issue: SI Pages: 349-358 Published: SEP 2008
4. Fabrication, in vitro degradation and the release behaviours of poly(DL-lactide-co-glycolide) nanospheres containing ascorbic acid
   By: Stevanovic, Magdalena; Savic, Jasmina; Jordovic, Branka; et al.
   COLLOIDS AND SURFACES B-BIOINTERFACES Volume: 59 Issue: 2 Pages: 215-223 Published: OCT 1 2007

Title: The effect of processing parameters on characteristics of poly-l-lactide microspheres
Author(s): Jovanovic, I; Stevanovic, M; Nedeljkovic, B; et al.
Source: Research Trends in Contemporary Materials Science Volume: 555 Pages: 453-458 Published: 2007

1. Preparation of smallest microparticles of poly-D,L-lactide by modified precipitation method: Influence of the process parameters
   By: Jovanovic, Ivana; Jordovic, Branka; Petkovic, Marijana; et al.
   MICROSCOPY RESEARCH AND TECHNIQUE Volume: 71 Issue: 2 Pages: 86-92 Published: FEB 2008

Аутоцитати
2. Poly(lactide-co-glycolide)-based Micro and Nanoparticles for the Controlled Drug Delivery of Vitamins
   By: Stevanovic, Magdalena; Uskokovic, Dragan
   CURRENT NANOSCIENCE Volume: 5 Issue: 1 Pages: 1-14 Published: FEB 2009
3. Stevanović, M. and D. Uskoković. 2009. "Encapsulation Devices for Vitamin C." In *Handbook of Vitamin C Research: Daily Requirements, Dietary Sources and Adverse Effects*, 185-221. https://www.scopus.com/inward/record.uri?eid=2-s2.0-

84896414736&partnerID=40&md5=49e45576ec4823465e72412080fec445. (поглавље у књизи, Scopus)

4. Poly(DL-lactide-co-glycolide) Nanospheres for the Sustained Release of Folic Acid
   By: Stevanovic, Magdalena; Radulovic, Aleksandra; Jordovic, Branka; et al.
   JOURNAL OF BIOMEDICAL NANOTECHNOLOGY Volume: 4 Issue: 3 Special Issue: SI Pages: 349-358 Published: SEP 2008

Title: Hydroxyapatite nanopowders prepared in the presence of zirconium ions
Author(s): Lukic, M. J.; Veselinovic, Lj.; Stevanovic, M.; et al.
Source: Materials Letters Volume: 122 Pages: 296-300 Published: MAY 1 2014
Times Cited: 2
DOI: 10.1016/j.matlet.2014.02.072

1. Janićijević, Ž., M. J. Lukić, and L. Veselinović. 2016. "Alternating Current Electric Field Modified Synthesis of Hydroxyapatite Bioceramics." *Materials and Design* 109: 511-519. doi:10.1016/j.matdes.2016.07.061. www.scopus.com.
2. Sanyal, V., R. Kesavamoorthi, and C. Ramachandra Raja. 2016. "Investigation on Mechanical Behavior and Bioactivity of Fluorohydroxyapatite Toughened by Zirconium-Cerium Ions Additions.". doi:10.1016/j.matpr.2016.04.093. www.scopus.com.
3. Zr/Mg, Zr/Sr and Zr/Zn co-doped hydroxyapatites: Synthesis and characterization
   By: Kaygili, Omer; Keser, Serhat
   CERAMICS INTERNATIONAL Volume: 42 Issue: 7 Pages: 9270-9273 Published: MAY 15 2016
4. Structural and antibacterial activity of hydroxyapatite and fluorohydroxyapatite co-substituted with zirconium-cerium ions
   By: Sanyal, Vijayalakshmi; Raja, C. Ramachandra
   APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING Volume: 122 Issue: 2 Article Number: 132 Published: FEB 2016

Title: Morphological changes of poly(DI-lactide-co-glycolide) nano-particles containing ascorbic acid during in vitro degradation process
Author(s): Stevanovic, M; Jordovic, B; Uskokovic, D
Source: Journal of Microscopy-Oxford Volume: 232 Issue: 3 Pages: 511-516 Published: 2008
DOI: 10.1111/j.1365-2818.2008.02150.x

Аутоцитати

1. Poly(lactide-co-glycolide)-based Micro and Nanoparticles for the Controlled Drug Delivery of Vitamins
   By: Stevanovic, Magdalena; Uskokovic, Dragan
   CURRENT NANOSCIENCE Volume: 5 Issue: 1 Pages: 1-14 Published: FEB 2009
2. Stevanović, M. and D. Uskoković. 2009. "Encapsulation Devices for Vitamin C." In *Handbook of Vitamin C Research: Daily Requirements, Dietary Sources and Adverse Effects*, 185-221. https://www.scopus.com/inward/record.uri?eid=2-s2.0-84896414736&partnerID=40&md5=49e45576ec4823465e72412080fec445. (поглавље у књизи, Scopus)

Title: Influence of different degradation medium on release of ascorbic acid from poly(D,L-lactide-co-glycolide) nano- and microspheres
Author(s): Stevanovic, M; Uskokovic, D
Source: Russian Journal of Physical Chemistry a Volume: 83 Issue: 9 Pages: 1457-1460 Published: 2009
DOI: 10.1134/S0036024409090076

1. Effect of particle size on thermal decomposition of alkali metal picrates
   By: Liu, Rui; Zhang, Tonglai; Yang, Li; et al.
   THERMOCHIMICA ACTA Volume: 583 Pages: 78-85 Published: MAY 10 2014
2. Nanosized hydroxyapatite and other calcium phosphates: Chemistry of formation and application as drug and gene delivery agents
   By: Uskokovic, Vuk; Uskokovic, Dragan P.
   JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS Volume: 96B Issue: 1 Pages: 152-191 Published: JAN 2011

Title: Development of lyophilized spherical particles of poly(epsilon-caprolactone) and examination of their morphology, cytocompatibility and influence on the formation of reactive oxygen species
Author(s): Stupar, P.; Pavlovic, V.; Nunic, J.; et al.
Source: Journal of Drug Delivery Science and Technology Volume: 24 Issue: 2 Pages: 191-197 Published: 2014

1. Facts and evidences on the lyophilization of polymeric nanoparticles for drug delivery
   By: Fonte, Pedro; Reis, Salette; Sarmento, Bruno
   JOURNAL OF CONTROLLED RELEASE Volume: 225 Pages: 75-86 Published: MAR 10 2016

FRIEDRICH-ALEXANDER
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http://www.biomat.techfak.uni-erlangen.de/

TO WHOM IT MAY CONCERN

Erlangen, 04.05.2016

Letter of Support

as Professor of Biomaterials and Head of the Institute of Biomaterials, University of Erlangen-Nuremberg, Germany, it is my great pleasure to support the research project “Innovative systems for biomedical applications emphasizing on nanomedicine and controlled delivery of medicaments” proposed by Dr Magdalena Stevanovic, Institute of Technical Sciences of the Serbian Academy of Sciences and Arts.

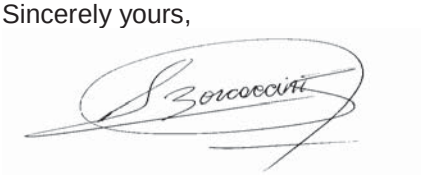
This project addresses important challenges in the field of chemistry, controlled delivery of active substances, nanomedicine, biomaterials and tissue engineering and I am strongly convinced that the research outcomes will have a significant impact on fundamental science, society and economy. The project includes a multidisciplinary approach to the development of innovative smart materials and devices for applications in the field of pharmacy and medicine and the expected results will have a significant impact not only at the national level but also internationally.

I am successfully collaborating with Dr Magdalena Stevanovic and her team for several years. Recently my Institute collaborated with the group of Dr Stevanovic in a project funded by DAAD entitled: “Development and Evaluation of Bioactive Glass Based Therapeutics for Tissue Engineering and Controlled Delivery of Medicaments”. Dr. Stevanovic presented an invited lecture at the international symposium "Challenges for Biomaterials for the 21st Century" held on 19th November 2014 at the University of Erlangen-Nuremberg. Our joint results have been already presented at several conferences and published in a high-quality international, peer-reviewed, journal (e.g. *Colloids and Surfaces B: Biointerfaces*, Elsevier). The latest results of the joint project are being included in a series of papers which are currently under preparation. We are also planning further collaboration, as well as to jointly apply to the forthcoming EU Horizon 2020 calls.

Based on my knowledge of her outstanding scientific work for many years, I am certain that Dr. Stevanovic is very well qualified to conduct the research project “Innovative systems for biomedical applications emphasizing on nanomedicine and controlled delivery of medicaments” and I express my strongest recommendation for funding this research project proposed by Dr. Stevanovic.

Should you have any question please do not hesitate to contact me.

Sincerely yours,



Prof. Dr.-Ing. habil. Aldo R. Boccaccini

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Vpisan v sodni register
Okrožnega sodišča
v Ljubljani pod številko
reg. Vložka 061/10098400

ID: SI83534784

Matična številka: 5055784

Podračun pri UJP
01100-6030344630

Ljubljana, 02.05. 2016

Letter of support

As and expert in toxicology and genetic toxicology it is my greatest pleasure to support the project "Innovative systems for biomedical applications emphasizing on nanomedicine and controlled delivery of medicaments" proposed by Dr Magdalena Stevanovic, Senior Researcher at the Institute of Technical Sciences of the Serbian Academy of Sciences and Arts. The proposed project is focused on the development of innovative smart materials and devices with applications in diagnostics, treatment and prevention of different diseases, which is currently one of the main streams of the research and development in Europe and worldwide.

I am the head of the Department for Genetic Toxicology and Cancer Biology at the National Institute of Biology. With Dr. Magdalena Stevanović and her colleagues we are successfully collaborating for several years. Together we published seven scientific papers, all in high ranking scientific journals. Recently we established also formal collaboration through Serbian - Slovenian Science & Technology Cooperation for years 2016-2017. With Dr. Magdalena Stevanović we are coordinating bilateral project "Biocompatible engineered particles and scaffolds for drug delivery and regenerative medicine" which allows us to even more efficiently exchange our complementary expertises.

I am giving Dr. Magdalena Stevanović my highest support for funding her proposed project for which I am convinced that will provide novel findings that will be of high applicative as well scientific interest. In case you would like additional information, do not hesitate to contact me by e-mail metka.filipic@nib.si or by phone +386 5 9232 861.

Prof. Metka Filipič, PhD
Head of the Department for Genetic Toxicology and Cancer Biology

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DIPARTIMENTO DI SCIENZE
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Viale T. Michel, 11 – 15121 Alessandria AL
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To whom it may concern

Subject: *Letter of support in relation to the project entitled "Innovative systems for biomedical applications emphasizing on nanomedicine and controlled delivery of medicaments" , coordinator Dr. Magdalena Stevanovic (Institute of Technical Sciences of the Serbian Academy of Sciences and Arts)*

The project mentioned above deals with a multidisciplinary approach to the development of novel smart materials and devices for applications in the field of controlled and targeted delivery of therapeutic agents. This project address important challenges in the field, and the research outcomes are likely to have a significant impact on both fundamental science and society.

I am currently collaborating with Dr. Magdalena Stevanovic under the framework of the executive programme of scientific and technological cooperation between the Italian Republic and the Republic of Serbia for the years 2016-2018. The preliminary results of this collaboration, focused on imaging labelled biomaterials for applications in regenerative medicine, are very encouraging. Based on this working experience, that started almost two years ago, I think that Dr. Stevanovic is very well qualified to conduct the research program titled in the subject. I think that such program will activate very important synergies between projects, ultimately helping us to build a strong international network and to apply successfully to the forthcoming EU Horizon 2020 calls. Therefore, I express my warmest recommendation for funding the research program proposed by Dr. Stevanovic.

Alessandria, May 3rd, 2016

Giuseppe Digilio

Aggregate Professor

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ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ
ΤΕΧΝΟΛΟΓΙΚΟ
ΕΚΠΑΙΔΕΥΤΙΚΟ
ΙΔΡΥΜΑ (Τ.Ε.Ι)
ΑΘΗΝΑΣ

ΣΧΟΛΗ ΤΕΧΝΟΛΟΓΙΚΩΝ ΕΦΑΡΜΟΓΩΝ

ΤΜΗΜΑ ΤΕΧΝΟΛΟΓΙΑΣ ΙΑΤΡΙΚΩΝ ΟΡΓΑΝΩΝ

Ταχ. Δ/νση : Αγ. Σπυρίδωνα - 122 10 ΑΙΓΑΛΕΩ
Τηλέφωνο : 210-53.85.376
E-Mail gloudos@teiath.gr

May 4, 2016

Support letter for the proposal *"Innovative systems for biomedical applications emphasizing on nanomedicine and controlled delivery of medicaments"*

Dear Sir or Madam:

I am very glad to write this letter in support the application of Dr. Magdalena Stevanovic, Senior Researcher, Institute of Technical Sciences of the Serbian Academy of Sciences and Arts for the project ***"Innovative systems for biomedical applications emphasizing on nanomedicine and controlled delivery of medicaments"***.

I had the pleasure to meet and to collaborate with Dr. Stevanovic in terms of the COST EU project TD1004 "Theranostics Imaging and Therapy: An Action To Develop Novel Nanosized Systems For Imaging-Guided Drug Delivery". In terms of this project we worked together by exchange nanoparticle samples produced by her group and performing radiolabelling and *in vivo* imaging studies by my team. Our joint results were presented in several conferences. The corresponding papers are under preparation and will be submitted to high-quality international, peer-reviewed, journals very soon.

In addition we have submitted proposal for H2020 (H2020-NMP-2015-two-stage; Type of action: RIA; Topic : NMP-12-2015- Nanotechnologies, advanced materials and production -Project title: Development and Evaluation of Polyester Based Therapeutics for Treatment and Prevention of Alzheimer's disease, Coordinator Dr. Magdalena Stevanovic).

The proposed project "Innovative systems for biomedical applications emphasizing on nanomedicine and controlled delivery of medicament" aims to develop and evaluate innovative, smart materials and devices for diagnostic, treatment and prevention of disease and disorders with high social and economic impacts. It is obviously a multidisciplinary project, which combines state of the art experimental and computational approach towards controlled and targeted delivery of therapeutic agents on *in vitro* and *in vivo* level. I strongly believe that this project combines both basic and applied research and ranges from synthesis up to *in vivo* validation of novel nanomaterials. The expected results can have a strong impact not limited to national level.

Taking into account the above I would like to strongly support the application of Dr. Magdalena Stevanovic, Institute of Technical Sciences of the Serbian Academy of Sciences and Arts for the project "*Innovative systems for biomedical applications emphasizing on nanomedicine and controlled delivery of medicaments*" and I will be happy to provide any assistance from our side if necessary.

Yours faithfully
George Loudos

Τ.Ε.Ι. ΑΘΗΝΑΣ
ΣΧΟΛΗ ΤΕΧΝΟΛΟΓΙΚΩΝ ΕΦΑΡΜΟΓΩΝ
ΤΜΗΜΑ ΤΕΧΝΟΛΟΓΙΑΣ ΙΑΤΡΙΚΩΝ ΟΡΓΑΝΩΝ
ΑΓ. ΣΠΥΡΙΔΩΝΑ
122 10 ΑΙΓΑΛΕΩ

Assistant Professor,
Department of Biomedical Engineering,
Technological Educational Institute of Athens,
Ag. Spyridonos Street 28, Egaleo, 122 10,
Athens, Greece
e-mail: gloudos@teiath.gr
Tel: (+30) 210-5385376
Fax: (+30) 210-5385302

Letter of Support

To whom it may concern:

As CEO of the ACMIT - Austrian Center for Medical Innovation and Technology (www.acmit.at) I am writing in support of the research project "Innovative systems for biomedical applications emphasizing on nanomedicine and controlled delivery of medicaments", planned to be submitted by Dr. Magdalena Stevanovic, Senior Researcher at the Institute of Technical Sciences of the Serbian Academy of Sciences and Arts. We are convinced that the proposed research project will lead to innovative materials and results with high scientific interest and impact on economy and society.

The research proposed is highly interdisciplinary and combines basic and applied research from synthesis and characterization up to *in vivo* studies, and experimental and computational methods. Our part in the project is concerned with fiber optic measurement of the kinetics of dissolution of micro capsule.

We have already submitted a H2020 proposal (title: Development and Evaluation of Polyester Based Therapeutics for Treatment and Prevention of Alzheimer's disease, Call identifier H2020-NMP-2015-two-stage, coordinator: Dr. Magdalena Stevanovic) and we are going to further collaborate with the Institute of Technical Sciences of the Serbian Academy of Sciences and Arts.

Should you have any questions please do not hesitate to contact me.

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Nikolaus Dellantoni
CEO

Република Србија
МИНИСТАРСТВО ПРОСВЕТЕ,
НАУКЕ И ТЕХНОЛОШКОГ РАЗВОЈА
Број: 451-03-01858/2013-09/2
Датум: 13.02. 2014. године
11 000 Београд, Немањина 22-26

Институт техничких наука САНУ

Кнез Михаилова 35
11 000 Београд

Др Магдалена Стевановић

Поштована госпођо Стевановић,

Обавештавамо Вас да је на основу експертских оцена рецензената Републике Србије и Савезне Републике Немачке, 6. фебруара 2014. године, усаглашена листа за размену пројеката за период реализације 2014/2015. године и да је Ваш пројекат *Развој и евалуација терапеутика на бази биоактивних стакала за ткивно инжењерство и контролисану доставу лекова* одобрен за финансирање у оквиру програма билатералне научно-технолошке сарадње између Републике Србије и Савезне Републике Немачке.

Информација о свим одобреним пројектима објављена је на интернет страници Министарства просвете, науке и технолошког развоја.

Као што је дефинисано Конкурсом, Министарство просвете, науке и технолошког развоја Републике Србије финансираће путне трошкове истраживача из Србије при одласку у СР Немачку, као и трошкове боравка истраживача из СР Немачке током реализације пројекта.

На основу благовремено достављене профактуре за путовање, односно најаве посете немачких истраживача, потписане од руководиоца пројекта и директора/декана института/факултета, могућа је уплата средстава унапред, у складу са буџетским могућностима и обавезама Министарства. Руководиоци пројеката су дужни да поднесу стручни и финансијски извештај институцијама надлежним за спровођење програма сарадње у својој земљи, по завршетку прве и друге истраживачке године.

Истовремено бих желео да Вам честитам на одобреном пројекту и пожелим успешну реализацију пројектних активности.

С поштовањем,

МИНИСТАР

Проф. др Томислав Јовановић

Република Србија
МИНИСТАРСТВО ПРОСВЕТЕ,
НАУКЕ И ТЕХНОЛОШКОГ РАЗВОЈА
Број: 451-03-38/2016-09/39
Датум: 11.07.2016.
Немањина 22-26, Београд

Институт техночких наука, САНУ
Др Магдалена Стевановић

Кнез Михаилова 35
11000 Београд

Поштована госпођо Стевановић,

Обавештавамо Вас да је на осмом заседању српско-словеначке Мешовите комисије између Републике Србије и Републике Словеније, која је одржана у Београду, 28. и 29. јануара 2016. године, Ваш пројекат „Биокомпатибилне естице и скафолди пројектовани за доставу лекова и регенеративну медицину". Информација о свим одобреним пројектима је постављена на интернет презентацији Министарства www.mpn.gov.rs одмах након одржаног заседања Мешовитог комитета у Београду.

Реализација осмог циклуса билатералних пројеката траје од 1. фебруара. 2016. до 31. децембра 2017. године и подразумева размену истраживача као што је одобрено на заседању Мешовите комисије.

Министарство просвете, науке и технолошког развоја Републике Србије ће суфинансирати путне трошкове истраживача из Србије (без трошкова боравка) као и трошкове боравка истраживача из Словеније (без путних трошкова) у укупном износу до 1000 евра (у динарској противвредности) по једној години реализације пројекта.

На основу благовремено достављене профактуре за путовање, односно најаве посете словеначких истраживача, потписане од руководиоца пројекта и директора/декана института/факултета, могућа је уплата средстава унапред, у складу са буџетским могућностима и обавезама Министарства. Руководиоци пројеката су дужни да поднесу стручни и финансијски извештај институцијама надлежним за спровођење програма сарадње у својој земљи, по завршетку прве и друге истраживачке године.

Истовремено бих желео да Вам честитам на одобреном пројекту и пожелим успешну реализацију планираних активности.

С поштовањем,

МИНИСТАР

Др Срђан Вербић

RESEARCH PROJECTS OF PARTICULAR RELEVANCE SELECTED WITHIN THE FRAME OF THE EXECUTIVE PROGRAMME OF SCIENTIFIC AND TECHNOLOGICAL COOPERATION BETWEEN THE ITALIAN REPUBLIC AND THE REPUBLIC OF SERBIA FOR THE YEARS 2016-2018

Research area	Project title	Italian partner	Serbianpartner
Basic Sciences	*Biophysical study of the effects induced by carbon ion beams and secondary particles produced by nuclear fragmentation*	**CUTTONE GIACOMO** Istituto Nazionale di Fisica Nucleare LNS	**RISTIĆ FIRA ALEKSANDRA** Vinča Institute of Nuclear Sciences University of Belgrade
Basic Sciences	*A nanoview of radiation-biomatter interaction*	**BOLOGNESI PAOLA** Istituto di Struttura della Materia C.N.R.	**TOSIĆ SANJA** Institute of Physics University of Belgrade
Health and Well-being	*Imaging labelled biomaterials for cell-therapy follow-up by Magnetic Resonance Imaging*	**DIGILIO GIUSEPPE** Dipartimento di Scienze e Innovazione Tecnologica Università del Piemonte Orientale	**STEVANOVIĆ MAGDALENA** Institute of Technical Sciences Serbian Academy of Sciences and Arts
Health and Well-being	*Innovative therapy for aggressive head and neck tumors*	**DAMANTE GIUSEPPE** Dipartimento di Scienza Mediche e Biologiche Università di Udine	**MILASIN JELENA** Facoltà di Odontoiatria University of Belgrade
Agriculture and Food Technologies	*Smart monitoring of pesticides in farming areas*	**LECCESE FABIO** Dipartimento di Scienze Università di Roma Tre	**ĐUROVIC-PEJECEVRADA** Institute of Pesticides and Environmental Protection
Secure, Clean and Efficient Energy – Environmental Development and Protection	*Learning Economics. Modelling community-led local development for the sustainable economictrajectories*	**BATTAGLINI ELENA** Associazione B.Trentin (ex IRES) - ROMA	**ZIVKOVIĆ JELENA** Faculty of Architecture University of Belgrade

Advanced Manifacturing and Processing, Nano&Biotechnologies	*Human-Robot Co-Working as a Key Enabling Technology for the Factories of Future*	**ODDO CALOGERO MARIA** Scuola Superiore Sant'Anna The BioRoboticsInstitute	**PETROVIĆ PETAR** Faculty of Mechanical Eng,, Lab. for Cyber-Manifacturing Systems University of Belgrade

Zajednica instituta Srbije

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A A A Login Register

- Početak
- O nama
  - Istorijat ZIS
  - Članovi ZIS
  - Predsedništvo
  - Nadzorni odbor
  - Statut
  - Zapisnici
  - Ostala dokumenta
- Vesti
- Kontakt
- Korisni linkovi

Članovi Predsedništva

Prirodno - matematička i medicinska oblast

Zoran Ognjanović, naučni savetnik, Matematički institut SANU
Branka Vasiljević, naučni savetnik, Institut za molekularnu genetiku i genetičko inženjerstvo
Maria Vesna Nikolić, naučni savetnik, Institut za multidisciplinarna istraživanja
Antun Balaž, naučni savetnik, Institut za fiziku
Joanna Zakrzewska, naučni savetnik, Institut za opštu i fizičku hemiju
Duško Blagojević, naučni savetnik, Institut za biološka istraživanja Siniša Stanković
Mirjana Mihailović, naučni savetnik, Institut za biološka istraživanja Siniša Stanković
Borislav Grubor, naučni savetnik, Institut za nuklearne nauke Vinča
Bojan Radak, naučni savetnik, Institut za nuklearne nauke Vinča
Mihajlo Mudrinić, naučni savetnik, Institut za nuklearne nauke Vinča
Žanka Bojić Trbojević, naučni saradnik, Institut za primenu nuklearne energije INEP
Atila Čeki, naučni saradnik, Astronomska opservatorija
Diana Bugarski, naučni savetnik, Institut za medicinska istraživanja

Tehničko - tehnološka i biotehnička oblast

Magdalena Stevanović, viši naučni saradnik, Institut tehničkih nauka SANU
Đuro Kutlača, naučni savetnik, Institut Mihajlo Pupin
Milan Lukić, naučni saradnik, Institut za voćarstvo
Zoran Jakšić, naučni savetnik, Institut za hemiju, tehnologiju i metalurgiju
Vesna Đorđević, naučni saradnik, Institut za higijenu i tehnologiju mesa
Nenad Delić viši, naučni saradnik, Institut za kukuruz Zemun polje
Vladimir Miklič, naučni savetnik, Institut za ratarstvo i povrtarstvo
Milica Pojić, naučni saradnik, Naučni institut za prehrambene tehnologije u Novom Sadu
Aleksa Zejak, naučni savetnik, Institut RT - RK - potpredsednik
Dragoja Radanović, naučni savetnik, Institut za proučavanje lekovitog bilja dr Josif Pančić

Društveno - humanistička oblast

Aleksandra Pavićević, viši naučni saradnik, Etnografski institut SANU
Svetlana Šeatović Dimitrijević, viši naučni saradnik, Institut za književnost i umetnost
Božo Drašković, redovni profesor, Institut ekonomskih nauka
Jelena Stevanović, naučni saradnik, Institut za pedagoška istraživanja
Ivana Stevanović, viši naučni saradnik, Institut za kriminološka i sociološka istraživanja
Vera Gudac - Dodić, viši naučni saradnik, Institut za noviju istoriju Srbije
Momčilo Pavlović, naučni savetnik, Institut za savremenu istoriju

Predsednik: Duško Blagojević

Potpredsednik za prirodno - matematičku i medicinsku oblast: Bojan Radak

Potpredsednik za tehničko - tehnološku i biotehničku oblast: Aleksa Zejak

Potpredsednik za društveno - humanističku oblast: Momčilo Pavlović

Cancel

Dr. Magdalena M. Stevanovic, Senior Research Associate
Institute of Technical Sciences of the Serbian Academy of Sciences and Arts
Belgrade, Serbia

Zagreb, October 17, 2016.

Certificate

Herby we certify that Dr. Magdalena Stevanović is a member of **International Association of Physical Chemists** (IAPC) and that she actively participates in the workings of the Society.

On behalf of IAPC

Prof. dr. Zoran Mandić
Chair of IAPC

Međunarodna udruga fizikalnih kemičara Zagreb MUFK
IAPC
International Association of Physical Chemists

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Newsletter

A publication of the Controlled Release Society

Volume 25 • Number 2 • 2008

What's Inside

Welcome New Members

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Prafulla Agrawala
Remigius U. Agu
Denize Ainbinder
Adam W. G. Alani
Courtney Anderson
Samantha N. Andrews
Shabbir Anik
Yasutaka Anraku
Elias M. Assaad
Rania M. Badr
Misuk Bae
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Guillaume Bastiat
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Tamim Chalati
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Abhishek Chaudhary
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Weiliam Chen
Xiaoming Chen
Ji Cheng
Peiwen Cheng
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Ming Li
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Dear Dr. Stevanovic,

Like nanotechnology, American Nano Society is a rapidly growing community with thousands of actives members from over 86 countries. Membership in the ANS is not open to everyone, and a candidate should be sponsored by an active member. To expand diversity, we have a limited credit to offer FREE membership to selected active researchers in all branches of nanotechnology.

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Best Regards,
Justina Pora
Executive Secretary

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E-mail: ans@nanosociety.us
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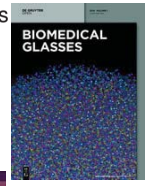
Take Address

Lehrstuhl Biomaterialien
Prof.Dr.-Ing.habil. Aldo R. Boccaccini

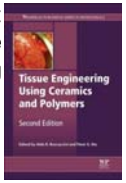
News

New journal: "BIOMEDICAL GLASSES"



Biomedical Glasses is a peer-reviewed, Open Access journal covering the field of glasses for biomedical applications. It will provide an international forum for the publication of original research reports and authoritative review articles on biomedical glasses and their use in clinical applications. The journal is now accepting papers for its inaugural issue.
More information can be found at: www.degruyter.com/view/j/bglass and in the flyer.
To submit a paper to Biomedical Glasses, please contact the editor-in-chief, Prof. Aldo R. Boccaccini (e-mail: aldo.boccaccini@ww.uni-erlangen.de).

New book co-edited by Prof. Aldo R. Boccaccini



The book: "Tissue Engineering Using Ceramics and Polymers", 2nd Edition, co-edited by Prof. Aldo R. Boccaccini and Prof. Peter X. Ma (University of Michigan, USA) has been just published by Woodhead/Elsevier. This second edition presents and updated comprehensive review of the advances in the uses of ceramics, polymers and their composites in tissue regeneration approaches, and includes a detailed treatment of the wide range of biomaterials used for tissue engineering reviewing techniques for processing, characterisation and modelling of materials. Tissue and organ regeneration in specific parts of the body are also discussed in dedicated chapters.

November 2014

Prof. Boccaccini, speaker at 6th EAM Symposium

Prof. Boccaccini will present an invited talk at the Cluster of Excellence "Engineering of Advanced Materials" (EAM) 6th Symposium to be held on 24 – 26 November 2014 in Kloster Banz, Germany. His presentation is entitled: "Advances in Bioactive Materials and the Possible Links to Quantitative Biology".

Successful Symposium "5 Years of Biomaterials-Erlangen"

During 2014 the Institute of Biomaterials celebrated the first 5 years of activities with a program of seminars given by international visitors and the organisation of national and international conferences (details in the flyer). The highlight was the International Symposium "Challenges for Biomaterials for the 21st Century" held on 19th November 2014 in Erlangen with participation of prestigious international speakers including Prof. L. Ambrosio (Italy), Prof. J. Stampfl (Austria), Prof. S. Mantalaris (UK), Prof. K. Schenke-Layland, (Tuebingen and Stuttgart, Germany), Dr. T. Douglas (Belgium), Prof. W. Mueller (Mainz, Germany), Dr. J. Blaker (UK), Prof. M. El Fray (Poland) and Prof. M. Stevanovic (Serbia) (pictured with Prof. Boccaccini). The symposim was opened by the Vice-President for Research of the University of Erlangen-Nuremberg, Prof. J. Hornegger. In the context of this symposium also the key results of the TOPbiomat project, led by Prof. Boccaccini and funded by the Emerging Fields Initiative of the University of Erlangen-Nuremberg, were presented by the principal investigators, including Prof. R. Horch, Prof. C. Alexiou, Prof. O. Friedrich, Prof. B. Fabry and Dr. R. Detsch representing our Institute (all pictured with Prof. Boccaccini). The symposium finalised with an intensive discussion on the challenges and perspectives for the future of biomaterials research with emphasis on both the improvement of established or exisiting biomaterials (implants, prosthetic devices) and the synthesis and development of novel biomaterials for regenerative medicine, tissue engineering and local drug delivery. *(Click images to enlarge)*









Conference of the German Society for Biomaterials (DGBM) in Dresden

The annual conference of the German Society for Biomaterials (DGBM) was held on 6-8 November 2014 in Dresden. The chairman was Prof. M. Gelinsky (Centre for Translational Bone, Joint and Soft Tissue Research, University Hospital of. Dresden), pictured with Prof. A.R. Boccaccini and Dr R. Detsch. Results of our Emerging Fields Initiative funded project TOPbiomat were presented by Dr Detsch on Biofabrication [1]. Our research on patches for cardiac tissue engineering were presented by Marwa Tallawi (PhD student). Also Ms Teresa Buettner (Master student in our Institute) attended the conference (pictured with A. R. Boccaccini and R. Detsch). Another contribution with participation of our group was the presentation of Mr Thorsten Masuch on tissue engineering of muscle using electrospun PCL-collagen fibres, a collaboration with Dr J. Beier (University Hospital Erlangen) and Dr. J. A. Roether and Prof. D. W. Schubert (Institute of Polymer Materials). *(Click images to enlarge)*

[1] Grigore, A., Sarker, B., Fabry, B., Boccaccini, A. R., Detsch, R., Behavior of Encapsulated MG-63 Cells in RGD and Gelatine-Modified Alginate Hydrogels, Tissue Eng. Part A 20 (2014) 2140-2150.


TOPbiomat Project meeting

On 29th October 2014 the progress meeting of the research project TOPbiomat was held at the Institute of Biomaterials. The project TOPbiomat is being funded by the Emerging Fields Initiative of the University of Erlangen-Nuremberg. The project focuses on fundamental research and development of cell-based tissue structures using biofabrication approaches for regeneration of damaged tissues, for example, the regeneration of bone with integrated blood vessels. TOPbiomat is coordinated by Prof. Aldo R. Boccaccini with participation of researchers from the Faculty of Engineering, the Faculty of Sciences and the Faculty of Medicine of our University. A recent publication from the project has recently appeared in PLOSOne [1].

[1] Sarker, B., et al., Evaluation of Fibroblasts Adhesion and Proliferation on Alginate-Gelatin Crosslinked Hydrogel, PLoS ONE 9(9) (2014): e107952. *(Click images to enlarge)*


International visits of PhD students

We are proud to be currently hosting several PhD students from different countries who have chosen our Institute to carry out part of their research activities, including Marina Trevelin (Federal University of Sao Carlos - UFSCar, Brazil), Junidah Lamaming (Universiti Sains Malaysia), Joanna Karbowniczek (AGH - University of Science and Technology, Krakow, Poland), Sara Kaabi (Nanyang Technological University-NTU, Singapore) and Iman Al-Khayyat (University of Technology, Baghdad, Iraq).*(Click image to enlarge)*

BioMat

Biomaterials Erlangen

FAU

5 years

EFI

Symposium "5 Years of '*Biomaterials Erlangen*'"

2nd Erlangen Symposium on Biomaterials: "Challenges for the 21st Century"

Emerging Fields Initiative: "TOPbiomat Symposium"

Date: 19th November 2014, 8:30 h – 18.00 h

Venue: Hörsaal ZMPT – Henkestr. 91, 91052 Erlangen, Germany

PROGRAM

8.30-8.40h	Introduction Aldo R. Boccaccini, Univ. of Erlangen-Nuremberg, Germany
8.40-9.10h	Engineering polymer based nanostructured platforms for tissue regeneration Luigi Ambrosio, University of Naples, Italy
9.10-9.40h	Lithography-based 3D-structuring of biomaterials Juergen Stampfl, Technical University of Vienna, Austria
9.40–10.10h	Chitosan hydrogel enrichment with perfluorodecalin Timothy E.L. Douglas, University of Ghent, Belgium
10.10-10.30h	Coffee Break
10.30-11.00h	Anisotropic injectable tissue equivalents Showan Nazhat, McGill University, Montreal, Canada
11.00-11.15h	Biopolymers as in-vitro test systems for cancer research Ben Fabry, University of Erlangen-Nuremberg, Germany
11.15-11.30h	Processing of natural based hydrogels: a promising approach for biofabrication? Rainer Detsch, University of Erlangen-Nuremberg, Germany
11.30-11.45h	Tissue Engineering of bone – the clinical perspective from bench to bedside Raymund E. Horch, University Hospital Erlangen, Germany
11.45-12.00	Translational applications of Nanotechnology – Diagnosis, Therapy and Regenerative Medicine Christoph Alexiou, University Hospital Erlangen, Germany

12.00-12.15h	**Multiphoton microscopy analysis of collagen-I network formation and rearrangement by mesenchymal stem cells in biomimetic scaffolds** Oliver Friedrich, University of Erlangen-Nuremberg, Germany
12.15 – 13.10h	**LUNCH**
13.10-13.40h	**Nature's blueprint: Biomaterial for medical applications.** Werner E.G. Müller, Johannes Gutenberg University Mainz, Germany
13.40–14.10h	**Non-invasive monitoring of biomaterials** Katja Schenke-Layland, Fraunhofer Inst. for Interfacial Engineering and Biotechnology IGB, Stuttgart and Eberhard Karls University Tübingen, Germany
14.10-14.40h	**Towards Personalised Healthcare Engineering: A new paradigm in the treatment of blood diseases** Sakis Mantalaris, Imperial College London, UK
14.40- 15.00h	**Coffee Break**
15.00-15.30h	**Developing Glass Microspheres for Biomedical Applications** Ifty Ahmed, University of Nottingham, UK
15.30-16.00h	**Multifunctional poly (lactide-co-glycolide) particles containing selenium nanoparticles for biomedical applications** Magdalena M. Stevanovic, Institute of Technical Sciences of the Serbian Academy of Sciences and Arts, Belgrade, Serbia
16.00- 16.30	**Fabrication of bioactive nanofibres into 3D macroporous scaffolds via cryogenic methods for tissue engineering and regeneration'** Jonny Blaker, University of Manchester, UK
16.30-17.00h	**Antimicrobial and Functional Coatings from Fatty Acid Derivatives** Miroslawa El Fray, West Pomeranian University of Technology, Szczecin, Poland
17.00-18.00h	**Final Remarks, Conclusions: Challenges and opportunities for biomaterials research** All
19.30 h	**"Biomaterials Erlangen"- 5th Anniversary Dinner**

INSTITUT ZA NUKLEARNE NAUKE „VINČA"
LABORATORIJA ZA TEORIJSKU FIZIKU I FIZIKU KONDENZOVANE MATERIJE

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11001 Beograd, p.p. 522

Telefon: (011) 8065 828
Faks: (011) 8065 829

У Винчи, 17.10.2016. године

Потврда о одржаном предавању по позиву

Европска комисија изабрала је 11 универзитета и истраживачких организација у којима се реализују први ERA Chairs пројекти у оквиру Седмог оквирног програма за истраживање и технолошки развој (ФП7). Међу изабранима је и Институт за нуклеарне науке „Винча" за област нанотехнологије (пројекат MAGBIOVIN http://cordis.europa.eu/result/rcn/168053_en.html). Пројекат је усмерен ка развоју мултифункционалних наночестичних магнетних материјала који би се успешно примењивали у дуалној терапији канцера и дијагностици.

У периоду 25.-26. марта 2015. године организована је радионица „Примена наночестица у медицини" у Студентском одмаралишту Радојка Лакић на Авали. Потврђујем да је **др Магдалена Стевановић, виши научни сарадник Института техничких наука САНУ, у оквиру радионице –Примена наночестица у медицини-, 25. 03. 2015. год. одржала предавање по позиву под насловом „Мултифункционалне поли (лактид-ко-гликолид) микро и наносфере за контролисану доставу медикамената и друге биомедицинске апликације"**.

Др Братислав Антић
Руководилац MAGBIOVIN пројекта

26 Jan
Dr. Magdalena Stevanović: " Biomacromolecules in controlled release and nanomedicine: Poly (lactide-co-glycolide) micro and nanospheres"

National Institute of Biology kindly invites you to view the lecture: » Biomacromolecules in controlled release and nanomedicine: Poly (lactide-co-glycolide) micro and nanospheres«, by Dr. Magdalena Stevanović, from the Institute of Technical Sciences of the Serbian Academy of Sciences and Arts, Belgrade, Serbia. The lecture took place on Friday, the 27th January 2012, on the National Institut of Biology, Večna pot 111, in Ljubljana.

National Institute of Biology kindly invites you to view the lecture:

» Biomacromolecules in controlled release and nanomedicine: Poly (lactide-co-glycolide) micro and nanospheres«,

by **Dr. Magdalena Stevanović**, from the Institute of Technical Sciences of the Serbian Academy of Sciences and Arts, Belgrade, Serbia

The lecture took place on Friday, the 27th January 2012, on the National Institut of Biology, Večna pot 111, in Ljubljana.

Abstract:

Biomacromolecules such as poly (glycolic acid), poly (lactic acid), their copolymers and other polyesters have been used in a number of clinical applications. The major applications include drug delivery systems, tissue engineering applications, resorbable sutures and orthopaedic fixation devices. Among the families of synthetic polymers, the polyesters have been attractive for these applications because of their ease of degradation by hydrolysis of ester linkage, degradation products being resorbed through the metabolic pathways and the potential to tailor the structure to alter degradation rates.

Poly(lactide-co-glycolide) (PLGA) or poly(D,L-lactide) (PDLLA) particles allow the encapsulation of medicaments within the polymer matrix, and the crucial requirements for the controlled and balanced release of the medicament in the body are their ideal spherical shape and narrow size distribution. The size and shape of particles play the key role in their adhesion and interaction with the cell. Polymer degradation, also, plays a key role in medicament release from sustained release polyester systems, therefore in order to elucidate the mechanism governing release, it appears essential to analyze the in vitro degradation behavior of these devices.

Different medicaments (water soluble vitamins, protein (horseradish peroxidase-HRP), silver nanoparticles) have been successfully encapsulated into polyester micro and nanospheres thus creating nanoparticles with various morphological characteristic depending of the concentration of the active substance. In vitro degradation process and release tests, cytotoxicity, labeling polyester particles by 99mTc and biodistribution of PLGA nanoparticles without and with encapsulated medicament were examined. PLGA nanospheres with encapsulated ascorbic acid exhibit prolonged blood circulation accompanied by time dependent reduction in lung, liver and spleen, and addition in kidney, stomach and intestine. The obtained results indicate that neither PLGA nanospheres nor PLGA/ascorbic acid 85/15% nanoparticles significantly affected the viability of the HepG2 cells. HRP-loaded PDLLA spheres were successfully prepared by the modified precipitation method that was previously applied for blank PDLLA and PLGA nanospheres.

The HRP-loaded microspheres have been successfully formulated with spherical morphology, suitable particle size, high protein encapsulation efficiency and good protein stability. Silver nanoparticles were prepared by modified chemical reduction method with saccharide as reducing agent and with poly (α, γ, L-glutamic acid) as capping agent and were additionaly encapsulated within PLGA particles to ensure their release and therefore the antimicrobial effect over an extended period of time.

The samples were characterized by X-ray diffraction, scanning electron microscopy, stereological analysis, transmission electron microscopy, ultraviolet spectroscopy, instant thin layer chromatography, differential scanning calorimetry, fourier-transform infrared spectroscopy and zeta potential measurements.

Kindly invited!

The lecture was held in English.

Link to the Lecture - VideoLectures.net

Januar 2013

MASTER RAD

SINTEZA, KARAKTERIZACIJA I CITOKOMPATIBILNOST LIOFILIZIRANIH SFERNIH ČESTICA POLI(EPSILON KAPROLAKTONA) I ISPITIVANJE NJIHOVOG UTICAJA NA NASTANAK REAKTIVNIH RADIKALA KISEONIKA

Fakultet za fizičku hemiju | **Stupar Petar**

MENTORI:

dr Magdalena M. Stevanović - viši naučni saradnik, Institut tehničkih nauka, SANU

dr Gordana Ćirić-Marjanović - vanredni profesor, Fakultet za fizičku hemiju, Univerzitet u Beogradu

ČLANOVI KOMISIJE:

dr Nikola Cvjetićanin - vanredni profesor, Fakultet za fizičku hemiju, Univerzitet u Beogradu

dr Miloš Mojović - docent, Fakultet za fizičku hemiju, Univerzitet u Beogradu

ZAHVALNICA

Posebnu zahvalnost dugujem mentoru dr Magdaleni Stevanović, višem naučnom saradniku Instituta tehničkih nauka, na veoma korisnim savetima i samoj pomoći pri realizovanju i koncipiranju rada. Zahvaljujem se i mentoru dr Gordani Ćirić-Marjanović sa Fakulteta za fizičku hemiju (Univerziteta u Beogradu), na korisnim savetima i pomoći. Takođe sam zahvalan i članovima komisije - dr Nikoli Cvetićaninu, vanrednom profesoru Fakulteta za fizičku hemiju, kao i dr Milošu Mojoviću, docentu Fakulteta za fizičku hemiju, Univerziteta u Beogradu.

Zahvaljujem se i MSc Nenadu Filipoviću (Institut tehničkih nauka) za pomoć prilikom izvođenja eksperimenata. Infracrvena spektroskopska analiza, jednim delom rađena je na Institutu za opštu i fizičku hemiju, zahvaljujući pomoći mr Aleksandre Radulović i dr Branimira Kovačevića, dok je drugim delom obavljena na Tehnološkom fakultetu, zahvaljujući dr Aleksandru Marinkoviću. Jedan deo mikroskopske analize, odrađen je na Prirodno-matematičkom fakultetu u Novom Sadu (odsek za biologiju i ekologiju), zahvaljujući saradnji sa dr Milošem Bokorovim, a za ostale mikroskopske analize, zaslužan je dr Vladimir Pavlović, naučni savetnik u Institutu tehničkih nauka SANU i vanredni profesor Poljoprivrednog fakulteta Univerziteta u Beogradu. Zahvaljujem se i dr Smilji Marković, sa Instituta tehničkih nauka, za merenja raspodele veličine čestica. Testovi citotoksičnosti i ispitivanja uticaja uzoraka na stvaranje reaktivnih radikala kiseonika, omogućeni su zahvaljujući dr Jani Nunić, prof. dr Metki Filipič i Sandri Cundrič iz Nacionalnog instituta za biologiju u Ljubljani. Ovom prilikom se zahvaljujem i prof. dr Draganu Uskokoviću (Institut tehničkih nauka SANU), rukovdiocu projekta III45004.

Teza se sastoji iz sedam celina. Prvo poglavlje pruža uvid u teorijske osnove biodegradabilnih polimera, alifatičnih poliestara, poli(ε-kaprolaktona) kao njihovog predstavnika, ali i osnovne osobine koje se moraju uzeti u obzir pri ispitivanju primene u biomedicini. Predstavljen je i opšti opis procesa liofilizacije. Drugo poglavlje ukratko predstavlja cilj rada, dok je u trećem dat pregled eksperimentalnih metoda odrađenih u okviru master rada. Četvrta celina sadrži sve dobijene rezultate, koji su u petoj celini detaljnije diskutovani. Šesto poglavlje sadrži kratak zaključak donešen na osnovu rezultata, dok je u sedmom poglavlju izlistana literatura korišćena u radu.

Datum:12.7.2016.
Broj:890

Na osnovu članova 99., 100. i 102. Statuta Univerzitet u Beogradu - Fakulteta za fizičku hemiju, Nastavno-naučno veće Fakulteta, na X redovnoj sednici, održanoj 12.7.2016. godine, donosi sledeću

O D L U K U

1.- Prihvata se pozitivni izveštaj Komisije o odobrenju predloga teme za izradu doktorske disertacije kandidata **mast. fiz.-hem. Nenada Filipovića, studenta doktorskih studija**, pod nazivom: **„Sinteza i karakterizacija biokompozita poli (ε-kaprolakton) / nanočestice selena“**, Komisije u sastavu:

1) dr Miloš Mojović, vanredni profesor, Fakultet za fizičku hemiju,
2) dr Magdalena Stevanović, viši naučni saradnik, ITN SANU,
3) dr Marina Milenković, redovni profesor, Farmaceutski fakultet,
4) dr Gordana Ćirić-Marjanović, redovni profesor, Fakultet za fizičku hemiju.

2.- Ova odluka, sa potrebnom dokumentacijom, dostavlja se Univerzitetu u Beogradu – Veću naučnih oblasti prirodnih nauka, radi davanja saglasnosti.

Po dobijenoj saglasnosti iz tačke 1., kandidat može da pristupi izradi disertacije.

3.- Po urađenoj doktorskoj disertaciji, kandidat podnosi Nastavno-naučnom veću zahtev za odbranu disertacije i dostavlja primerak disertacije.

Odluku dostaviti:
- kandidatu,
- mentoru,
- Univerzitetu u Beogradu
- nadležnom stručnom veću

Univerzitet u Beogradu - Fakultet za fizičku hemiju

Prof. dr Gordana Ćirić-Marjanović, dekan

УНИВЕРЗИТЕТ У БЕОГРАДУ
МЕДИЦИНСКИ ФАКУЛТЕТ

др Магдалена Стевановић, виши научни сарадник

Институт техничких наука САНУ

Потврда о едукативном раду

Овим се потврђује да је др Магдалена Стевановић, виши научни сарадник Института техничких наука САНУ, учествовала у едукацији из области контролисане доставе медикамената, биоматеријала, наномедицине и наноматеријала и излагала најновије резултате актуелних истраживања из ове области

„Мултифункционалне поли (лактид-ко-гликолид) честице за биомедицинске апликације са посебним нагласком на контролисаној достави лекова"

Због значајног доприноса у овој области, као и чињенице да се већ дужи низ година са великим успехом бави овим проблемом, одржала је предавање на Медицинском факултету Универзитета у Београду, на Институту за микробиологију и имунологију, 06. 03. 2015. године., пред сарадницима Пројекта ОИ 175034 Министарства Просвете, нуке и технолошког развоја Републике Србије.

Проф. др Валентина Арсић Арсенијевић, руководиоц пројекта

У Београду,17. 10. 2016.

Univ. prof. dr
Valentina Arsić Arsenijević
specijalista
mikrobiologije i parazitologije

др Суботића 8
11000 Београд
Србија
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Executive Agency
Research Executive Agency
REA/C/04

EXPERT CONTRACT
CONTRACT NUMBER - CT-EX2015D245659-101

This **Contract** ('the Contract') is **between** the following parties:

on the one part,

the **Research Executive Agency** (REA) ('the Agency' or 'the contracting party'), under the power delegated by the European Commission,
represented for the purposes of signing this Contract by Anya ORAM, HEAD OF UNIT , REA/C/04

and

on the other part,

STEVANOVIC
Magdalena
EX2015D245659
Vojvode Vlahovica 003
11221
Belgrade
Serbia
magdalena.stevanovic@itn.sanu.ac.rs

The parties referred to above have agreed to enter into this Contract under the terms and conditions below.

By signing this Contract, the expert confirms that s/he has read, understood and accepted the Contract and all its obligations and conditions, including the Code of Conduct set out in Annex 1 and the provisions set out in Annex 2.

The Contract is composed of:

Terms and conditions

Annex 1: Code of Conduct

Annex 2: Number of working days for remote evaluation

Executive Agency
Research Executive Agency
REA/C/04

EXPERT CONTRACT
CONTRACT NUMBER - CT-EX2015D245659-102

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and

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MATERIALS RESEARCH BULLETIN

Certificate of Outstanding Contribution in Reviewing

awarded February, 2015 to

MAGDALENA STEVANOVIC

In recognition of the contributions made to the quality of the journal

The Editors of *MATERIALS RESEARCH BULLETIN*
Elsevier, Amsterdam, The Netherlands

Final Annual Meeting

COST Action TD1004

Theranostics Imaging and Therapy: An Action to Develop Novel Nanosized Systems for Imaging-Guided Drug Delivery

Serbian Academy of Sciences and Arts

10-11 September 2015

35 Kneza Mihaila, Belgrade, Serbia

COST Action TD1004

Theranostics Imaging and Therapy: An Action to Develop Novel Nanosized Systems for Imaging-Guided Drug Delivery

Final Annual Meeting

Serbian Academy of Sciences and Arts

Institute of Technical Sciences of SASA

Professor Silvio Aime

Chair of the Action

Dr Magdalena Stevanović

MC Member-Local Organizer

Scientific Committee:

Dr Renata Mikolajczak, Dr Ruth Schmid, Prof. Robert Muller, Dr Eva Jakab Toth,

Prof. George Loudos, Dr Magdalena Stevanović

Organizing Committee:

Academician Zoran Đurić, Dr Miodrag Lukić, Dr Ana Stanković, MSc Nenad Filipović,

MSc Maja Kuzmanović, Ms Milena Ivanović, Ms Patricia Legland

COST is supported by the EU Framework Programme

ESF provides the COST Office through a European Commission contract

Meeting Venue

Building of the Serbian Academy of Sciences and Arts

35 Kneza Mihaila, Belgrade, Serbia

SASA Main Hall, 2nd floor

Opening ceremony

Lectures

Management Committee Meeting (for MC members and the MC substitutes)

SASA Club, 1st floor

Coffee breaks and Poster viewing

Buffet lunches

Wi-Fi

Network: http://www.eduroam.amres.ac.rs/rs/korisnici.hmtl or https://cat.eduroam.org

click to eduroam user, take your eduroam instaler, choose the Serbian Academy of Science and Arts and click all platforms

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Program
COST TD1004 Final Annual Meeting Belgrade, 10-11 September 2015
Serbian Academy of Sciences and Arts

Thursday, 10th September 2015

SASA Main Hall

08:00 – 09:00 Registration *(in front of the SASA Main Hall)*

09:00 – 09:25 Opening ceremony of the COST Action TD1004 Annual Meeting

Vladimir S. Kostić, President of the Serbian Academy of Sciences and Arts
Silvio Aime, Chair of the Action
Bratislav Marinković, National COST Coordinator
Magdalena Stevanović, Local Organizer

09:25 – 10:05 Lecture: Achievements and perspectives in the field of Imaging-guided therapies, Prof. Silvio Aime, Chair of the Action, University of Torino, Torino, Italy;

10:05 – 10:15 Overall lecture WG1 Renata Mikołajczak, Imaging reporters for theranostic agents

Introduction by the WG leader summarizing the activities within the WG based on the Annual Report
Short introduction by WG1 leader Renata Mikołajczak

10:15-11:20 Lectures WG1: Imaging reporters for theranostic agents

Chairs: Renata Mikołajczak and Eva Jakab Toth

10:15-10:45 **Somatostatin based radiolabelled antagonists are more sensitive to chelate modification than corresponding agonists. Clinical implications?** Melpomeni Fani, Renata Mikolajczak, Abiraj Keelara, Maria Luisa Tamma, Jean Claude Reubi, Helmut Maecke, University Freiburg, Freiburg, Germany;

10:45-11:00 **Investigations on in vitro performance of functionalized Ho_2O_3 nanoparticles and effects of neutron irradiation on their surface organic functionalities**. Jonathan Martinelli and Kristina Djanashvili; [1]Amedeo Avogadro University of Eastern Piedmont, Novara, Piemonte, Italy, [2]Delft University of Technology, Department of Biotechnology, Delft, The Netherlands;

COST is supported by the EU Framework Programme

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11:00-11:15 **Field Flow Fractionation techniques for characterization of nanocarriers for imaging and/or drug delivery: regulation and technical aspects**. Sandrine Huclier-Markai, C. Alliot, S. Battu; Subatech, Nantes, France;

11:15-11:30 **A versatile pyridine-based platform for the development of Gd(III)-based MRI contrast agents**. Celia Bonnet, Eva Toth; Centre de Biophysique Moléculaire, CNRS, Orléans, France;

11:30-12:00 Coffee break and Poster viewing *(SASA Club at first floor)*

12:00-13:00 Lectures WG1 (continued)
Chairs: Helmut Maecke and Goran Angelovski

12:00-12:15 **Gold nanoparticles bioconjugates labelled with ^{211}At – new radiopharmaceuticals for alpha radioimmunotherapy**. Przemysław Kożmiński; IChTJ, Warsaw, Poland;

12:15-12:30 **Bis(phosphonate)-containing ^{99m}Tc(I)/^{188}Re(I) organometallic complexes for theranostic applications.** Fernanda Marques; IST Sacavem, Portugal;

12:30-12:45 **Bifunctional bispidine ligands form kinetically inert complexes with Cu(II): promising theragnostic agents.** Raphael Gillet[1], A. M. Nonat[1], J. Brandel[2], S. Huclier-Markai [2,3], L. J. Charbonnière [1]; [1] IPHC, Strasbourg, France; [2] Universite de Nantes, Nantes, France, 3University of Missouri Research Reactor Center, Columbia, United States;

12:45-13:00 **New microenvironment responsive MRI probes to follow-up cell therapy.** Giuseppe Digilio; Università del Piemonte Orientale, Alessandria, Italy;

13:00-14:00 Lunch *(SASA Club at first floor)*

14:00-15:15 Lectures WG1 (continued)
Chairs: Kristina Djanashvili and Francois Lux

14:00-14:15 **Mn(II) vs Gd(III): Are we getting closer to the MnCAs?** Zoltán Garda[1], Ferenc K. Kálmán[1], Imre Tóth[1], Attila Laczovics[2], Ervin Berényi[2], Éva Jakab-Tóth[3] and Gyula Tircsó[1,3,4]; [1]University of Debrecen, Department of Inorganic and Analytical Chemistry, Debrecen, Hungary; [2]University of Debrecen, Department of Medical Imaging, Debrecen, Hungary; [3] Centre de Biophysique Moléculaire, CNRS, Orléans, France ; [4]Le Studium, Loire Valley Institute for Advanced Studies, Orléans, France;

14:15-14:30 **Formation kinetics of M(III)DOTA complexes in ethanol-water mixture.** Zsolt Baranyai, Gergely Szabó, Adrienn Vágner, Ernő Brücher and Imre Tóth; [1]University of Debrecen, Department of Inorganic and Analytical Chemistry, Debrecen, Hungary;

14:30-14:45 **The role of GLP-1 receptor targeting agents in clinical management of patients with insulinoma and MTC.** Barbara Janota[1], Renata Mikołajczak[1], Urszula Karczmarczyk[1], Piotr Garnuszek[1], Alicja Hubalewska-Dydejczyk[2], Anna Sowa-Staszczak[2], Helmut R. Maecke[3], Rosalba Mansi[3], Melpomeni Fani[3]; [1]National Centre for Nuclear Research - Radioisotope Centre POLATOM, Otwock, Poland, [2]Collegium Medicum, Jagiellonian University, Krakow, Poland, [3]University Hospital, Freiburg, Germany;

14:45-15:00 **Bioresponsive nano-sized probes for functional MRI applications.** Goran Angelovski; Max Planck Institute for Biological Cybernetics, Tuebingen, Germany;

15:00-15:15 **AguIX nanoparticles for radiotherapy guided by MRI**. Francois Lux; Université Claude Bernard, Lyon, France;

15:15-15:45 Coffee break and Poster viewing *(SASA Club at first floor)*

15:45 – 15:55 Overall lecture WG2 María José Alonso, Nanocarriers for theranostic agents

Introduction by the WG leader summarizing the activities within the WG based on the Annual Report
Short introduction by WG2 leader María José Alonso

15:55-17:05 Lectures WG2: Nanocarriers for theranostic agents

Chairs: María José Alonso and Maria Blanco Prieto

15:55-16:10 **Nucleic acid-based theranostic agents for pathogenic microorganisms.** Nuno Azevedo; University of Porto, Protugal;

16:10-16:25 **Theranostic silica core-shell nanoparticles decipher drug resistance at the EGFR-axis.** Andreani Odysseos; University of Cyprus, Cyprus;

16:25-16:40 **DNA-AuNP theranostic probe for the detection of protein expression in 2D and 3D wound models.** Patrick Vilela; University of Southampton, UK;

16:40-16:55 **Fluorescence *in vivo* hybridization (FIVH) detection of Helicobacter pylori.** Silvia Fontenete; University of Porto, Portugal;

16:55-17:10 **Efficacy of methotrexate and edelfosine solid lipid nanoparticles on osteosarcoma primary and metastatic cancer cells**. Maria Blanco Prieto; University of Navarro, Spain;

17:10-17:25 **Ultrasound-mediated imaging and drug delivery in brain cancer**. Ulrich Schatzschneider; University of Würzburg, Germany;

17:30-19:15 Management Committee Meeting

(For MC members and the MC substitutes, SASA Main Hall)

Friday, 11th September 2015

SASA Main Hall

09:00-10:30 Lectures WG2: Nanocarriers for theranostic agents (continued)

Chairs: Magdalena Stevanovic and Nathalie Mignet

09:00-09:15 **Stealthiness of iron oxide nanoparticles assessed in vivo by MRI using various coatings.** Nathalie Mignet; INSERM U1022, CNRS, Paris, France;

09:15-09:30 **Inorganic and micellar nanoparticles for the delivery of radionuclides**. Antonio Rocha Paulo; Instituto Superior Tecnico, Sacavem, Portugal;

09:30-09:45 **pH-Responsive mesoporous silicon nanoparticles for intracellular anticancer drug delivery.** Wujun Xu; University of Eastern Finland, Finland;

09:45-10:00 **Tumor targeting vs. lymphotargeting: approaches in cancer nano-therapies.** C. Teijeiro, R. Abellan, N. Csaba, Maria José Alonso; University of Santiago de Compostela, Spain;

10:00-10:15 **Endogenous-inspired drug delivery to cancers using LDL-like nanoparticles for PET imaging: Solving the challenge of encapsulating and retain water-soluble ions in a hydrophobic nanoparticle.** Pablo Hervella; University of Southern Denmark, Denmark;

10:15-10:30 **Colloidal stability and biomedical potential of PLGA/ gold nanoparticles for theranostic use.** Sofia Lima; University of Porto, Portugal;

10:30-11:15 Coffee break and Poster viewing *(SASA Club at first floor)*

11:15-11:25 Overall lecture WG3 Robert N. Muller: Preparation and selection of targeting vectors

Introduction by the WG leader summarizing the activities within the WG based on the Annual Report
Short introduction by WG3 leader Robert N. Muller

11:25-12:40 Lectures WG3: Preparation and selection of targeting vectors

Chairs: Robert N. Muller and Simonetta Geninatti Crich

11:25-11:40 **HR-MAS NMR spectroscopy: an innovative tool for the characterization of iron oxide nanoparticles tracers for molecular imaging.** Céline Henoumont; Sophie Laurent, Robert N. Muller, Luce Vander Elst; Université de Mons, Mons, Belgium;

11:40-11:55 **A nanogel approach to tune conventional MRI contrast agents into hypersensitive MRI probes: Application to lymph node molecular imaging (LNMRI).** Yamina Belabassi, Maité Callewaert,

Cyril Cadiou, Marie Christine Andry, Michael Molinari, Christophe Portefaix, Céline Henoumont, Sophie Laurent, Luce Vander Elst, Robert. N. Muller, Sébastien Boutry, Lionel Larbanoix, Anca Dinischiotu, Françoise Chuburu; University of Reims, France;

11:55-12:10 **Innovative theranostic strategies for the combination of BNCT with MRI and chemotherapy,** Simonetta Geninatti Crich, Diego Alberti, Rachele Stefania, Morgane Franck, Silva Bortolussi, Nicoletta Protti, Saverio Altieri, Annamaria Deagostino, Silvio Aime; University of Torino, Torino, Italy;

12:10-12:25 **Design and synthesis of smart AuNPs probes for computed tomografy imaging.** A. Silvestri, C. Evangelisti, R. Psaro, V. Zambelli , A.M. Ferretti, G. Bellani, L. Polito; Golgi Cenci Foundation Milan, Italy;

12:25-12:40 **Labeling and biodistribution studies of a NODAGA-mannosylated dextran with ^{68}Ga.** A. Shegani, A. Papasavva, C. Kiritsis, S. Kontogeorgaki, C.-E. Karachaliou, A. Lazopoulos, P. Bouziotis, C. Tsoukalas, M. Pelecanou, M. Papadopoulos, I. Pirmettis; N.C.S.R. Demokritos, Athens, Greece;

12:40-13:45 Lunch *(SASA Club at first floor)*

13:45-13:55 Overall lecture WG4 María José Alonso Theranostic agents responsive to endogenous and external stimuli

Introduction by the WG leader summarizing the activities within the WG based on the Annual Report
Short introduction by WG4 leader María José Alonso

13:55- 15:10 Lectures WG4: Theranostic agents responsive to endogenous and external stimuli

Chairs: Selman Yavuz and Gil Lee

13:55-14:10 **A novel photothermal-based release mechanism for controlled release on Au nanoparticles through light,** Mustafa Selman Yavuz [1,2,*], Ekrem Goren [1,2], Halit Cavusoglu [1,2], Emine Yavuz [1,3], Huseyin Sakalak [1,2], Burak Buyukbekar [1,2], Mehmet Sahin Atas [1,2], Hakan Usta [4]; [1]Advanced Technology Research and Application Center, Selcuk University, Konya, Turkey; [2]Metallurgy and Materials Engineering Department, Selcuk University, Konya, Turkey; [3]Department of Immunology, Gazi University, Ankara, Turkey; [4]Materials Science and Nanotechnology Engineering, Abdullah Gül University, Kayseri, Turkey;

14:10-14:25 **Theranostic mRNA-loaded microbubbles for ultrasound-triggered cancer immunotherapy.** Heleen Dewitte[1], Katrien Vanderperren[2], Stefaan C. De Smedt[1], Karine Breckpot[3], Ine Lentacker[1]; [1]Lab for General Biochemistry and Physical Pharmacy, Ghent University, Belgium; [2]Department of Veterinary Medical Imaging and Small Animal Orthopaedics, Ghent University, Belgium; [3]Laboratory of Molecular and Cellular Therapy, Vrije Universiteit Brussel, Belgium;

14:25-14:40 **Acoustic cluster therapy ACT: A new ultrasound-mediated local drug delivery method.** Annemieke van Wamel; NTNU Dept. of Physics, Trondheim, Norway;

14:40-14:55 **Mechanochemical stimulation of MCF7 cells with rod-shaped Fe-Au janus particle induced cell death through paradoxical hyperactivation of ERK**. Gil Lee; University College Dublin, Dublin, Ireland;

14:55-15:10 **Magnetic targeting of multi-modal imaging nanocapsules for cancer theranostics.** Jie Bai; King's College London, UK;

15:10-16:00 Coffee break and Poster viewing *(SASA Club at first floor)*

16:00-16:10 Overall lecture WG5 George Loudos, Set-up of preclinical theranostic protocols

Introduction by the WG leader summarizing the activities within the WG based on the Annual Report
Short introduction by WG5 leader George Loudos

16:10-18:25 Lectures WG5: Set-up of preclinical theranostic protocols

Chairs: George Loudos and Penelope Bouziotis

16:10-16:40 **Multi-parametric MR imaging and spectroscopy for predicting photodynamic therapy outcome.** Sophie Peereboom, Robbert van Gorkum, Tom Schreurs, Gustav Strijkers, Jeanine Prompers, Klaas Nicolay; Department of Biomedical Engineering, Eindhoven University of Technology, Eindhoven, The Netherlands;

16:40-16:55 **The effect of liposomal zoledronic acid on the biodistribution of γδ T cells in different tumour models.** Naomi Hodgins, Khuloud T. Al-Jamal; Institute of Pharmaceutical Science, King's College London, UK;

16:55-17:10 **SPECT imaging evaluation of an oligo-arginine functionalised 99mTc(I)(CO)3-liposome for brain targeting**. Eirini A. Fragogeorgi[1], Jonathan Martinelli[2], Elen K. Efthimiadou[3], George Kordas[3], Kristina Djanashvili[2], George Loudos[4,1]; [1]Institute of Nuclear & Radiological Sciences & Technology, Energy & Safety, N.C.S.R. Demokritos, Athens, Greece.; [2]Biocatalysis and Organic Chemistry group, Department of Biotechnology, Faculty of Applied Sciences, Delft University of Technology; [3]Institute for Advanced Materials, Physicochemical processes, Nanotechnology & Microsystems, N.C.S.R. Demokritos, Athens, Greece; [4]Department of Biomedical Engineering, Technological Educational Institute of Athens, Athens, Greece;

17:10-17:25 **In vitro and in vivo evaluation of ^{68}Ga-Fe_3O_4-DPD nanoparticles as potential PET/MRI imaging agents**. M. Karageorgou, M. Radovic, C. Tsoukalas, B. Antic, S. Xanthopoulos, M. Kalamiotou, D. Stamopoulos S. Vranjes-Duric, P. Bouziotis; Institute of Nuclear & Radiological Sciences & Technology, Energy & Safety, N.C.S.R. Demokritos, Athens, Greece;

17:25-17:40 **Development and evaluation of potent ^{68}Ga-based radiopharmaceuticals for CXCR4 imaging.** Sophie Poty, Eleni Gourni, Pauline Désogère, Christine Goze, Frédéric Boschetti, Helmut Mäecke, Franck Denat; University of Burgundy, Dijon, France; University of Freiburg, Freiburg, Germany;

17:40-17:55 **Metallacrowns and the NIR cellular imaging obtained with these novel imaging agents**. Ivana Martinić, Stephane Petoud; CNRS Orleans, France;

17:55-18:10 **Image-guided surgery of intraperitoneally disseminated tumor lesions using near-infrared fluorescently-labeled nanobodies.** G. Bala[1,2], J. Van Quathem[1], P. Debie[1], S. Massa[1,3], C. Xavier[1], M. Keyaerts[1,4], N. Devoogdt[1], S. Hernot[1]; [1]In vivo cellular and Molecular Imaging (ICMI), Vrije Universiteit Brussel, Belgium; [2]Department of Cardiology, UZBrussel, Belgium, [3]Cellular and Molecular Immunology (CMIM), Vrije Universiteit Brussel, Belgium; [4]Department of Nuclear Medicine, UZ Brussel, Belgium;

18:10 Closing of the Meeting

19:00-23:00 Social Event (dinner)

POSTERS Thursday, 10th September 2015

POSTERS WG1

WG1-P1 Radiometal makes a difference. Synthesis and characterisation of DOTA-minigastrin complexes with ^{68}Ga, ^{177}Lu and ^{90}Y. Piotr Garnuszek[1], Michał Maurin[1], Piotr Baran[2], Dariusz Pawlak[1], Renata Mikołajczak[1]; [1]National Centre for Nuclear Research - Radioisotope Centre POLATOM, Otwock, Poland, [2] Institute of Biotechnology and Antibiotics, Warsaw, Poland;

WG1-P2 Gold coated magnetite nanoparticles labelled with ^{89}Zr and ^{225}Ac for theranostic application. A. Bilewicz; IChTJ, Warsaw, Poland;

WG1-P3 Evaluation of new types of ligands for scandium theranostic radionuclides. S. Huclier-Markai, Cyrille Alliot, F. Haddad, M. Pageau; Subatech, Nantes, France;

WG1-P4 Tailored design of high-performance Fe_3O_4 nanoparticles for application in MRI - mastering size and magnetism through a new coprecipitation route. Clara Pereira, André Pereira, Mariana Rocha, Cristina Freire, Carlos F.G. C. Geraldes; Requimte-University of Porto, Centro de Química, University of Coimbra, Portugal;

WG1-P5 CdTe quantum-dots-transferrin bioconjugates as fluorescent probes for glioblastoma cancer cells. Paulo E.C.Filho, Ana P. M. Ramos, Ana L. C. Cardoso, Maria I. A. Pereira, Giovannia A. L. Pereira, Fernando Hallwass, M. Margarida, C.A. Castro, Maria C. Pedroso de Lima, Beate S. Santos, Adriana Fontes, Carlos F. G. C Geraldes; University of Pernambuco, Recife, Brasil, Center for Neuroscience and Cell Biology and Chemistry Center, University of Coimbra, Coimbra, Portugal;

WG1-P6 Interaction of metal complexes conjugated to pittsburg compound b with the momomeric and aggregated abeta1-40 peptide in solution by NMR. C.F.G.C. Geraldes[1,2], A.F. Martins [1,3], A.C. Oliveira [2], D.M. Dias [1,4], J.F. Morfin [3], S. Lacerda [3], D. Laurents [5], E. Toth [3]; [1]University of Coimbra, Life Sciences, Coimbra, Portugal, [2]University of Coimbra, Coimbra Chemistry Center, Coimbra, Portugal, [3]CNRS, Centre de Biophysique Moléculaire, Orleans, France, [4]University of Cambridge, Chemistry, Cambridge, United Kingdom, [5]CSIC, Instituto de Química Física "Rocasolano", Madrid, Spain;

WG1-P7 HSA-targeted liposomes incorporating paramagnetic complexes. Lorenzo Tei, Mauro Botta, Monica Muñoz Ubeda, Roberto Negri, Giovanni B. Giovenzana, Miriam Filippi; Università del Piemonte Orientale, Alessandria, Italy;

WG1-P8 Mesoporous silica nanoparticles functionalized with multimeric Gd(III) chelates. Fabio Carniato, Mauro Botta, Lorenzo Tei, Cristiano Aliberti; Università del Piemonte Orientale, Alessandria, Italy;

WG1-P9 Equilibrium and dissociation kinetics of [Al(1,4,7-triazacyclononane-1,4,7-triacetate)] ([Al (NOTA)] complex. Edit Farkas[1], Tamás Fodor[1], Ferenc K. Kálmán[1], Gyula Tircsó[1,2,3], Imre Tóth[1]; [1]University of Debrecen, Department of Inorganic and Analytical Chemistry, Debrecen, Hungary, [2]Centre de Biophysique Moléculaire, CNRS, Orléans, France, [3]Le Studium, Loire Valley Institute for Advanced Studies, Orléans, France;

WG1-P10 Solution thermodynamic, kinetic and relaxometric studies of the DO2A-bisamide Mn(II) complex. Attila Forgács[1], Zsolt Baranyai[2], Lorenzo Tei[1], Imre Tóth[2] Mauro Botta[1]; [1]Dipartimento di Scienze e Innovazione Tecnologica, Università del Piemonte Orientale "Amedeo Avogadro", Alessandria, Italy, [2]University of Debrecen, Department of Inorganic and Analytical Chemistry, Debrecen, Hungary;

WG1-P11 Dynamic MRI ratiometric signal reporting by exploiting dendrimeric calcium-responsive contrast agent. Tanja Savic; Max Planck Institute for Biological Cybernetics, Tuebingen, Germany;

WG1-P12 Novel ^{68}Ga-mannosylated dextrans as sentinel node detection agents: in vitro and ex vivo assessment. Aristotelis Lazopoulos, Antonio Shegani, Ioannis Pirmettis,Theodoros Tsotakos, Patricia Kyprianidou, Maria Nikoladou, Maria Pelecanou, Minas Papadopoulos, Penelope Bouziotis, Charalampos Tsoukalas; N.C.S.R. Demokritos, Athens, Greece;

WG1-P13 Synthesis and characterization of quinazoline-derivatized cyclopentadienyl complexes of Re and ^{99m}Tc. C. Kiritsis[1], A. Lazopoulos[1], A. Shegani[1], A. Papasavva[1], S. Kontogeorgaki[1], M. Paravatou-Petsota[1], P. Kyprianidou[1], A. Panagiotopoulou[2], M. Pelecanou[2], M. Papadopoulos[1], I. Pirmettis[1]; [1]INRASTES, Athens, Greece, [2]IB-A, N. C. S. R. Demokritos, Athens, Greece;

WG1-P14 Synthesis and characterization of quinazoline-derivatized complexes of Re and ^{99m}Tc. A. Lazopoulos[1], C. Kiritsis[1], A. Shegani[1], A. Papasavva[1], S. Kontogeorgaki[1], M. Paravatou-Petsota[1], P. Kyprianidou[1], A. Panagiotopoulou[2], M. Pelecanou[2], M. Papadopoulos[1], I. Pirmettis[1]; [1]INRASTES, Athens, Greece, [2]IB-A, N. C. S. R .Demokritos, Athens, Greece;

WG1-P15 Sorotase-mediated site-specific conjugation of Nanobodies for use in molecular imaginig. Sam Massa, Ahmet Krasniqi, Niravkumar Vikani, Saskia Vanderhaegen, Cecilia Betti, Steven Ballet, Vicky Caveliers, Tony Lahoutte, Serge Muyldermans, Catarina Xavier, Nick Devoogdt; Vrije Universiteit, Brussel, Belgium;

WG1-P16 New Gd-DOTA-like complexes responsive to biogenic metal ions. Sona Prochazkova[1], Vojtech Kubicek[1], Petr Hermann[1] and Lothar Helm[2]; [1]Charles University in Prague, Faculty of Science, Department of Inorganic Chemistry, Prague, Czech Republic, [2]Institut des Sciences et Ingénierie Chimiques, École Polytechnique Fédérale de Lausanne, Lausanne, Switzerland;

WG1-P17 Lanthanide(III) complexes of tetra(2,2,2-trifluoroethyl)phosphinate DOTA analogue as potencial ^{19}F MRI contrast agents. Marie Martinisková[1], Jan Kotek[1], Vít Herynek[2], Petr Hermann[1]; [1]Department of Inorganic Chemistry, Charles University in Prague, Czech republic, [2]Institute of Clinical and Experimental Medicine, Prague, Czech Republic;

WG1-P18 Gd3+ containing contrast agents: monitoring tissue interactions in situ. Adrienn Vágner[1], Zsolt Baranyai[1] Imre Tóth[1], András Gorzsás[2]; [1]University of Debrecen, Department of Inorganic and Analytical Chemistry, Debrecen, Hungary, [2]Department of Chemistry, Umeå University, Sweden;

POSTERS WG2

WG2-P1 Efficacy of doxorubicin encapsulated into lipid nanoparticles against osteosarcoma cells. Maria Blanco Prieto; University of Navarro, Spain;

WG2-P2 The stabilizer influence on morphological characteristics of poly(DL-lactide-co-ε-caprolactone) (PLCL) particles. Ana Stanković, Magdalena Stevanović; Institute of Technical Sciences of the Serbian Academy of Sciences and Arts, Belgrade, Serbia;

WG2-P3 Effect of different degradation medium on PCL spheres loaded with selenium nanoparticles. Nenad Filipović[1], Sanja Jeremić[2], Jasmina Nikodinović[2], Slavica Ražić[3], Magdalena Stevanović[1]; [1]Institute of Technical Sciences of the Serbian Academy of Sciences and Arts, Belgrade, Serbia; [2]Institute of Molecular Genetics and Genetic Engineering, [3]University of Belgrade, Serbia, Department of Analytical Chemistry, Faculty of Pharmacy, University of Belgrade, Serbia;

POSTERS Friday, 11th September 2015

POSTERS WG3

WG3-P1 Unveiling the role of metal cation substitution on the relaxometric properties of superparamagnetic ferrite nanoparticles. Clara Pereira, Luce Vander Elst, Robert N. Muller, Carlos F. G. C. Geraldes, Sophie Laurent; Requimte-University of Porto, Porto, Portugal, University of Mons, Mons, Belgium;

WG3-P2 Functionalization of ultrasmall nanoparticles for theranostic applications. Eloïse Thomas[1], Frédéric Boschetti[2], Franck Denat[3], François Lux[1], Olivier Tillement[1]; [1]Institut Lumière Matière, Lyon, France; [2]CheMatech, Dijon, France; [3]Institut de Chimie Moléculaire de l'Université de Bourgogne, Dijon, France

WG3-P3 Chemical and biological charachterizations on an effective bimodal probe to target apoptosis. Mario Dentamaro, François Lux, Luce Vander Elst, Olivier Tillement, Robert N. Muller, Sophie Laurent, Université Claude Bernard, Lyon, France; University of Mons, Mons, Belgium;

WG3-P4 Nanodiamond particles for medical imaging: Surface modification and coupling with contrast agent derivative from DOTA. Sylvie Montante, Luce Vander Elst, Robert N. Muller, Sophie Laurent; University of Mons, Mons, Belgium;

WG3-P5 Synthesis and preclinical evaluation of novel Al^{18}F-chelates-conjugated mannosylated dextrans as sentinel node detection agents for PET imaging. Aristotelis Lazopoulos, Antonio Shegani, Ioannis Pirmettis,Theodoros Tsotakos, Patricia Kyprianidou, Maria Nikoladou, Maria Pelecanou, Minas Papadopoulos, Penelope Bouziotis, Charalampos Tsoukalas; N. C. S. R. Demokritos, Athens, Greece;

WG3-P6 Self-assembly of poly(ethylene oxide)-block-poly(ε-caprolactone) copolymers with iron oxide nanoparticles for potential drug delivery and magnetic resonance imaging applications. Adeline Hannecart, Luce Vander Elst, Robert N. Muller, Sophie Laurent; University of Mons, Mons, Belgium;

WG3-P7 Labeling and iodistribution studies of a NODAGA mannosylated dextran with ^{68}Ga. Antonio Shegani, A. Papasavva, C. Kiritsis, S. Kontogeorgaki, C.-E. Karachaliou, A. Lazopoulos, P. Bouziotis, C. Tsoukalas, M. Pelecanou, M. Papadopoulos, I. Pirmettis; N. C. S. R. Demokritos, Athens, Greece.

POSTERS WG4

WG4-P1 Investigating the photothermal effect of gold nanostructures for controlled photothermal release. Ekrem Goren [1, 2], Halit Cavusoglu [1, 2], Emine Yavuz [1, 3], Hakan Usta [4], Mustafa Selman Yavuz [1,2]; Advanced Technology Research and Application Center, Selcuk University, Konya, Turkey, [2]Metallurgy and Materials Engineering Department, Selcuk University, Konya, Turkey, [3]Department of Immunology, Gazi University, Ankara, Turkey, [4]Materials Science and Nanotechnology Engineering, Abdullah Gül University, Kayseri, Turkey;

WG4-P2 Engineering multifunctional nanoparticles for prostate cancer. Ashkan Dehsorkhi; University of East Anglia, UK;

WG4-P3 Physically crosslinked hydrogels based on hyaluronic acid and polyvinyl alcohol for theranostic applications. I. Synthesis and characterization. Catalina Natalia Cheaburu-Yilmaz[1,3], Nela Bibire[2], Onur Yilmaz[4], Cornelia Vasile[1]; [1] Laboratory of Physical Chemistry of Polymers, Petru Poni Institute of Macromolecular Chemistry of the Romanian Academy, Romania;[2] "Grigore T. Popa" University of Medicine and Pharmacy, Faculty of Pharmacy, Department of Analytical Chemistry, Iasi, Romania; [3]Department of Pharmaceutical Technology, Faculty of Pharmacy, Ege University, Izmir, Turkey; [4]Faculty of Engineering, Leather Engineering Department, Ege University, Bornova, Izmir, Turkey;

WG4-P4 Biocompatibility and toxicity studies on unloaded and loaded hyaluronic acid and polyvinyl alcohol hydrogels with methotrexate. Nela Bibire[1], Catalina Natalia Cheaburu-Yilmaz[2,3], Catalina Elena Lupusoru[4], Cornelia Vasile[2] ; [1] "Grigore T. Popa" University of Medicine and Pharmacy, Faculty of Pharmacy, Department of Analytical Chemistry, Iasi, Romania; [2] Laboratory of Physical Chemistry of Polymers, Petru Poni Institute of Macromolecular Chemistry of the Romanian Academy, Iasi, Romania; [3]Department of Pharmaceutical Technology, Faculty of Pharmacy, Ege University, Izmir, Turkey; [4] "Grigore T. Popa" University of Medicine and Pharmacy, Faculty of Medicine, Department of Pharmacology, Romania;

POSTERS WG5

WG5-P1 Multimodal imaging of the in vivo fate of bone transplants: The VIVOIMAG Marie Curie RISE project. Marisela Velez, Eirini Fragogeorgi, Eleni Efthimiadou, Maria Georgiou, Panagiotis Papadimitroulas, Marcos Pita, Julian Daich, Gennady Rosenblat, Shai Meretzki, Sophie Laurent, Robert Muller, George Loudos; VIVOIMAG consortium;

WG5-P2 "γ-eye": a new benchtop scintigraphic system for whole body mouse imaging. Maria Georgiou, Panagiotis Papadimitroulas; Bioemission Technology Solutions, Athens, Greece;

WG5-P3 In vivo evaluation of a new ^{99m}Tc labelled mannosylated dextran for sentinel node detection. S. Kontogeorgaki[1], A. Shegani[1], Afroditi Papasavva[1], C. Kiritsis[1], C.-E. Karachaliou[1], L. Palamaris[3], G. Loudos[3], M. Pelecanou[2], M. Papadopoulos[1], I. Pirmettis[1]; [1]INRASTES, Athens, Greece, [2]IB-A, N. C. S. R. Demokritos, Greece. [3]DMIT, TEIA, Greece;

WG5-P4 Synthesis and characterization of novel Re and ^{99m}Tc ciprofloxacin complexes for differential diagnosis of infection. A. Papasavva[1], C. Kiritsis[1], A. Shegani[1], S. Kontogeorgaki[1], C.-E. Karachaliou[1], L. Palamaris[3], G. Loudos[3], G. Sfyroera[1], D. Mastellos[1], M. Pelecanou[2], M. Papadopoulos[1], I. Pirmettis[1]; [1]INRASTES, Athens, Greece, [2]IB-A, N. C. S. R. Demokritos, Athens, Greece; [3]DMIT, TEIA, Athens, Greece;

WG5-P5 Design of monomolecular multimodal imaging probes (MOMIP) for the preparation of chemically defined bioconjugates. Claire Bernhard, Damien Lhenry, Manuel Larrouy, Victor Goncalves, Olivier Raguin, Peggy Provent, Mathieu Moreau, Bertrand Collin, Alexandra Oudot, Jean-Marc Vrigneaud, François Brunotte, Christine Goze, Franck Denat; Institut de Chimie Moléculaire de l'Université de Bourgogne (ICMUB), University of Burgundy, Dijon; France;

WG5-P6 In vivo dextrin nanomagnetogel performance as dual modality imaging bioprobe. C.A. Gonçalves, J.P. Silva, I. F. Antunes, M.F.M. Ferreira, J.A. Martins, Carlos F.G.C. Geraldes, Y. Lalatonne, L. Motte, E. F. J. de Vries, F.M. Gama; IIB and Chemistry Department, University of Minho, Braga, Portugal, Department of Life Sciences and Chemistry Center, University of Coimbra, Portugal, Department of Nuclear Medicine and Molecular Imaging, University of Groningen, University Medical Center of Groningen, Groningen, The Netherlands, CSPBAT Laboratory, UMR 7244 CNRS, Université Paris 13, Sorbonne Paris Cité, Bobigny, France;

Acknowledgements

Република Србија
МИНИСТАРСТВО ПРОСВЕТЕ
И НАУКЕ
Комисија за стицање научних звања

Број:06-00-75/671
09.05.2012. године
Б е о г р а д

На основу члана 22. става 2. члана 70. став 6. Закона о научноистраживачкој делатности ("Службени гласник Републике Србије", број 110/05 и 50/06 – исправка и 18/10), члана 2. става 1. и 2. тачке 1 – 4.(прилози) и члана 38. Правилника о поступку и начину вредновања и квантитативном исказивању научноистраживачких резултата истраживача ("Службени гласник Републике Србије", број 38/08) и захтева који је поднео

Институт техничких наука САНУ у Београду

Комисија за стицање научних звања на седници одржаној 09.05.2012. године, донела је

ОДЛУКУ
О СТИЦАЊУ НАУЧНОГ ЗВАЊА

Др Магдалена Стевановић

стиче научно звање

Виши научни сарадник

у области природно-математичких наука - хемија

О Б Р А З Л О Ж Е Њ Е

Институт техничких наука САНУ у Београду

утврдио је предлог број 041/2 од 30.01.2012. године на седници научног већа Института и поднео захтев Комисији за стицање научних звања број 045/2 од 01.02.2012. године за доношење одлуке о испуњености услова за стицање научног звања ***Виши научни сарадник***.

Комисија за стицање научних звања је по предходно прибављеном позитивном мишљењу Матичног научног одбора за хемију на седници одржаној 09.05.2012. године разматрала захтев и утврдила да именована испуњава услове из члана 70. став 6. Закона о научноистраживачкој делатности ("Службени гласник Републике Србије", број 110/05 и 50/06 – исправка и 18/10), члана 2. става 1. и 2. тачке 1 – 4.(прилози) и члана 38. Правилника о поступку и начину вредновања и квантитативном исказивању научноистраживачких резултата истраживача ("Службени гласник Републике Србије", број 38/08) за стицање научног звања ***Виши научни сарадник***, па је одлучила као у изреци ове одлуке.

Доношењем ове одлуке именована стиче сва права која јој на основу ње по закону припадају.

Одлуку доставити подносиоцу захтева, именованој и архиви Министарства просвете и науке у Београду.

ПРЕДСЕДНИК КОМИСИЈЕ
др Станислава Стошић-Грујичић,
научни саветник

МИНИСТАР
Проф. др Жарко Обрадовић