

*Ministry of Education, Science and Technological Development of the Republic
of Serbia and Deutscher Akademischer Austauschdienst - DAAD*

**Министарство просвете, науке и технолошког развоја Републике Србије
и Немачка служба за академску размену - ДААД**

Project years / Пројектни циклус 2016-2017

| | <i>Serbian applicant Srpski rukovodilac projekta i srpska institucija</i> | <i>German applicant and German institution</i> | <i>Project title Naziv projekta</i> |
|----|--|---|---|
| 1. | Dr Aleksandar KRMPOT Institut za fiziku, Univerzitet u Beogradu | Dr. Nikola STOJANOVIĆ Deutsches Elektronen- Synchrotron DESY, Hamburg | In situ diagnostics and optimization of the ultrashort laser pulses in nonlinear 3D bio imaging microscopy |
| 2. | Prof. dr Vlade ZARIĆ Poljoprivredni fakultet, Univerzitet u Beogradu | Prof. Dr. Thomas GLAUBEN Leibniz Institute of Agricultural Development, Halle | Global Trade Reversal – Trade Barriers between East and West: Impact Analysis on Serbian Agri- Food Trade |
| 3. | Dr Ivana VASIĆ Institut za fiziku, Univerzitet u Beogradu | Prof. Dr. Walter HOFSTETTER Goethe Universität Frankfurt | Quantum Phases of the Bosonic Kane-Mele Hubbard model (BKMH) |
| 4. | Prof. dr Dejan D. RANČIĆ Elektronski fakultet, Univerzitet u Nišu | Dr.-Ing. Uwe SIART Technische Universität München (TUM) | Flood prediction and alerting system |

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| 5. | Dr Dragana Jović SAVIĆ Institut za fiziku, Univerzitet u Beogradu | Prof. Dr. Kornelia DENZ Institute of Applied physics, Westfälische Wilhelms-Universität Münster | Control of light by deterministic aperiodic and complex photonic lattices |
| 6. | Dr Branislav JELENKOVIĆ Institut za fiziku, Univerzitet u Beogradu | Dr. Robert LOEW University of Stuttgart | New tools for probing interacting Ridberg atoms |
| 7. | Dr Maja GRUDEN Hemijski fakultet, Univerzitet u Beogradu | Prof. Dr. Markus ELSTNER Karlsruher Institut für Technologie | Development of Density Functional Theory-based tight-binding (DFTB) for metalloproteins |
| 8. | Prof. dr Momir MILOSA VLJEVIĆ Institut za nuklearne nauke „Vinča“, Univerzitet u Beogradu | Prof.Dr.rer.nat Peter SCHAAF University of Technology, Ilmenau | Titanium dioxide thin films for optoelectronic and photocatalytic application |
| 9. | Dr Bratislav OBRADOVIĆ Fizički fakultet, Univerzitet u Beogradu | Dr. Ronny BRANDENBURG Leibniz Institute of Plasma Science and Technology, Greifswald | Novel Diagnostic Methods on Plasma Jets |
| 10. | Dr Jasmina NIKODINOVIC-RUNIĆ Institut za molekularnu genetiku i genetičko inženjerstvo, Univerzitet u Beogradu | Prof. Dr. Tobias Alexander Marius GULDER Technische Universität München (TUM) | Mining microbial resources for novel antifungal drug leads |

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| 11. | Dr Nenad LAZAREVIĆ Institut za fiziku, Univerzitet u Beogradu | Dr. Joachim DEISENHOFER Institut für Physik, Universität Augsburg | Orbital-dependent correlation effects and phase relations in alkali-doped iron selenide superconductors |
| 12. | Dr Aleksandra NEŠIĆ Institut za nuklearne nauke „Vinča”, Univerzitet u Beogradu | Prof. Irina SMIRNOVA Institute for Thermal and Separation Processes, University of Technology Hamburg | Development of pectin-based aerogels for insulated food packaging |
| 13. | Dr Jelena KRSTIĆ Institut za medicinska istraživanja, Univerzitet u Beogradu | Dr. Nino RAIMUNDO Institute for Cellular Biochemistry, Medical University Göttingen | The role of energy metabolism in mesenchymal stem cell multipotency |
| 14. | Dr Radmilo ČOLOVIĆ Institut za prehrambene tehnologije, Univerzitet u Novom Sadu | Farshad GOODARZI BOROOJENI Institute of Animal Nutrition, FU Berlin | Domestic oilseed protein products as replacement for imported soybean meal in poultry feed |
| 15. | Prof. dr Ninoslav DJELIĆ Fakultet veterinarske medicine, Univerzitet u Beogradu | Prof. Dr. Helga STOPPER Institute of Pharmacology and Toxicology University of Würzburg | Oxidative stress and DNA damage in lymphocytes from normal, obese, prediabetic and diabetic persons exposed to adrenaline and thyroxine <i>in vitro</i> |

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| 16. | Dr Danijela KRSTIĆ Medicinski fakultet, Univerzitet u Beogradu | Prof. Dr. Urlich KORTZ Jacobs University, Bremen | Polyoxopalladates ATPases inhibition studies and toxicity evaluation |
| 17. | Dr Sanja MIJATOVIĆ Institut za biološka istraživanja „Siniša Stanković”, Univerzitet u Beogradu | Dr. Goran KALUĐEROVIĆ Leibnitz Institute of Plant Biochemistry, Halle | Mesoporous SiO ₂ as drug delivery vehicle for anticancer natural products and their derivatives |
| 18. | Prof. dr Zlatko RAKOČEVIĆ Institut za nuklearne nauke „Vinča”, Univerzitet u Beogradu | Prof. Dr. Ronning CARSTEN Friedrich-Schiller- Universität Jena | Materials nanostructuring by ion irradiation |
| 19. | Prof. dr Ivan LUKOVIĆ Fakultet tehničkih nauka, Univerzitet u Novom Sadu | Dr. Stefan KÜHNE Institute for Applied Informatics, Leipzig | Self-Adapting Interface Framework for the Integration of Machines and Information Systems |
| 20. | Prof. dr Tamara DAPČEVIĆ HADNAĐEV Institut za prehrambene tehnologije, Univerzitet u Novom Sadu | Prof. Dr. Stefan TOEPFL German Institute of Food Technologies, Quakenbrueck | Pulsed electric field as a valuable novel technology for the increasing efficacy and sustainability of food processing |
| 21. | Dr Radivoje PRODANOVIĆ Hemijski fakultet, Univerzitet u Beogradu | Dr. Raluca OSTAFE RWTH Achen University | Development of flow cytometry and microfluidic ultrahigh-throughput screening systems for directed evolution of glucose oxidase, cellobiose dehydrogenase and hemicellulase |

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| 22. | Dr Goran MLADENOVIC Građevinski fakultet, Univerzitet u Beogradu | Prof. Dr.-Ing. Michael WISTUBA Institute fur Strassenwesen, TU Braunschweig | Fatigue and self-healing properties of bitumen and asphalt mixtures |
| 23. | Dr Jegor MILADINOVIC Institut za ratarstvo i povrtarstvo, Univerzitet u Novom Sadu | Dr. Joachim EDER Bayerische Landesanstalt fur landwirtschaft | Soybean – Protein Source for Europe |
| 24. | Prof. dr Đorđe ČANTRAK Mašinski fakultet, Univerzitet u Beogradu | Prof. Dr.-Ing. habil. Gunther BRENNER Institut für Technische Mechanik, TU Claustahl | Computational and experimental investigation of the airflow in the human nasal cavity |
| 25. | Prof. dr Nebojša DONČOV Elektronski fakultet, Univerzitet u Nišu | Prof. Dr.techn. Dr.h.c, Peter RUSSER Institute for Nanoelectronics, Technische Universität München (TUM) | Advanced Modelling of Noisy Electromagnetic Field Propagation in Highly Integrated Electronic Circuit and System Environments |
| 26. | Prof. dr Branimir JOVANĆIĆEVIC Hemijski fakultet, Univerzitet u Beogradu | Prof. Dr. Jan SCHWARZBAUER RWTh Aachen University | Geochronological studies on sediment cores from Djerdap Lake - Reconstruction of the pollution history |