#### Dr. Mirjana Novaković



“Vinča” Institute of Nuclear Sciences,

University of Belgrade,

Mike Petrovića Alasa 12-14, Belgrade, Serbia

**Personal information**

Date and place of birth: 04/08/1977, Benkovac, Croatia

**Education**

**Ph.D. in physical chemistry** - 2008 – 2012 Faculty of Physical Chemistry, University of Belgrade

**M.Sc. in physical chemistry** - 2004 – 2008 Faculty of Physical Chemistry, University of Belgrade

**B.Sc. in physical chemistry** - 1996 – 2004 Faculty of Physical Chemistry, University of Belgrade

**Employment history**

2019 – **Senior Research Associate**, “Vinča” Institute of Nuclear Sciences, University of Belgrade

2013 – 2019 – **Research Associate**, “Vinča” Institute of Nuclear Sciences, University of Belgrade

2008 – 2013 – **Research Assistant**, “Vinča” Institute of Nuclear Sciences, University of Belgrade

2004 – 2008 – **Reseacrh Trainee**, “Vinča” Institute of Nuclear Sciences, University of Belgrade

**Project history**

International projects

1. **Management Committee substitute** – COST Action “Focused Ion Technology for Nanomaterials (FIT4NANO)”, 2020-2024
2. **Coordinator**– “Nanostructuring of monocrystalline Si by metal ion irradiation“, DAAD project Germany- Serbia, 2019/2020
3. **Participant**– ”Materials nanostructuring by ion irradiation“, DAAD project Germany- Serbia, 2016/2017
4. **Participant**– ”Ion-induced mixing, sputter erosion and phase formation in the system cobalt/silicon“, DAAD project Germany- Serbia, 2009/2010
5. REGPOT 2009-1-FAMA, REGPOT 2010-1-FAMA, REGPOT 2010-1-5- FAMA: ”Reinforcing the research potential of the Vinča Institute of Nuclear Sciences through the facility for modification and analysis of materials with ion beams (FAMA)”, 2008/2010
6. **Participant**– ” Metallic nanoparticles formation and interface mixing induced by ion irradiation“, bilateral project France- Serbia project, 2008/2009
7. **Participant**– ”Ion baem modification of metal-nitride thin films- a study of their microstructural properties“, DAAD project Germany- Serbia, 2006/2007

National projects of Ministryof Science and Technological Development of Republic of Serbia

1. ”Functional, functionalized and enhanced nanomaterials”, project No. III45005, 2011/2019
2. ”Modification, synthesis and analysis of nanostructural materials using ion beams, by gamma irradiation and vacuum deposition”, project No. 141013, 2006/2010
3. ”Synthesis and modification of materials using gamma irradiation, ion implantation and vacuum treatments”, project No. 1960, 2004/2005

**Research field and area/areas**

**•** Solid state, Physics of nitrides and metal thin films, Ion beam interaction with solids, Ion beam induced mixing, Plasmonic metal nanoparticles

**Publications**

45 papers in international scientific journals

Highest impact factor of published paper: 5.155, APPLIED SURFACE SCIENCE 447 (2018)117-124

**Citation number Hirsch index**

SCOPUS: 310 Google Scholar: 346 SCOPUS: 10 Google Scholar: 10

**Link to the database of researcher**

ORCID: [http://orcid.org/0000-0001-7103-0117](https://www.scopus.com/redirect.uri?url=http://www.orcid.org/0000-0001-7103-0117&authorId=57211377836&origin=AuthorProfile&orcId=0000-0001-7103-0117&category=orcidLink)

Google Scholar: <https://scholar.google.com/citations?&user=67icBX0AAAAJ>

**International collaborations**

* Georg-August-Univerisität Goettingen, Germany
* Université de Paris Sud, France
* Physikalisch-Astronomische Fakultät, Friedrich-Schiller-Universität Jena, Germany
* Slovak University of Technology in Bratislava, Faculty of Materials Science and Technology in Trnava, Advanced Technologies Research Institute, Trnava, Slovakia
* CeFiTec, Departamento de Física, Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa, Portugall