Aleksandra Maluckov, PhD
Principal Research Fellow

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Education:
Ph.D. (2001): National Institute for Fusion Science, School of Mathematical and Physical Science, SOKENDAI- Graduate University for Advanced Studies, Japan. Thesis;
M.Sc.(1997): Mathematical, Classical and Quantum Physics, Faculty of Physics University of Belgrade, Serbia;
B.Sc. (1991): Department of Physics, Faculty of Philosophy, University of Niš, Serbia

Research Fields of Interest:
Statistical and quantum physics; Cold-matter physics
Nonlinear dynamics, complexity, self -organization and chaos
Condensed matter physics
Modelling and computer simulation
Photonics; Localization phenomena in nature; Extreme events; Flat-band systems
Biosignal complexity analysis

Employment:
(2012 – …) Full Research Professor, Vinca Institute of Nuclear Sciences, University of Belgrade, Serbia
(2007-2012) Associate Professor, Department of Physics, Faculty of Sciences and Mathematics, University of Niš, Serbia
(2002 – 2007) Assistant professor, Department of Physics, Faculty of Sciences and Mathematics, University of Niš, Serbia
(1997 – 2002) Teaching Assistant, Department of Physics, Faculty of Sciences and Mathematics, University of Niš, Serbia
(1992 – 1997) Junior Assistant, Department of Physics, Faculty of Sciences and Mathematics, University of Niš, Serbia

Working Experiances:
(2016-2018) Technical consultant, Heart Beam, Inc., USDuties: ECG statistical analysis

Projects:
(2025-..) GlioLight Funded under Horizon Europe EIC Pathfinder programme (No. 101129705).
(2024-2025) SensSmart funded from the Science Fund of the Republic of Serbia IDEAS Programme under the grant number 7754338.
(2017-2021) MC member for CA16221 (AtomQTech) – COST action "Quantum Technologies with Ultra-Cold Action Propos Atoms"
(2014-2019) CARDIALLY, Horizon ITN RISE

Trainings and seminars:
2017, 2020-2021 Visiting researcher (sabbatical) Theoretical Physics of Complex Systems, Institute of Basic Sciences, Daejeon, South Korea
2018., 2019. Visiting researcher, Aston University, Birmingham, UK
2018. Visiting researcher, University of Brescia, Italy;
2018. Visiting researcher, Department of Physics, Universidad de Chile, Santiago de Chile
2012, 2013. Visiting researcher, Program Aide Position at Texas A&M University at Qatar, Doha, Qatar.
2004. Visiting researcher, Institut Fur Theoretische Physik I, Universitats str. 1, Heinrich-Heine-Universitat Dusseldorf, Germany

Research output: 95 articles (Scopus), h-index: 23 (Scopus)