

LJUBICA KUZMANOVIĆ

TEACHING ASSISTANT

ljubica.kuzmanovic@pmf.kg.ac.rs

Radoja Domanovića 12, 34000 Kragujevac, Serbia

WORK EXPERIENCE

RESEARCH ASSOCIATE	(2022.05 - present)
University of Kragujevac, Faculty of Science, Department of Physics	
ASSISTANT (TEACHING FELLOW)	(2019.01 - present)
University of Kragujevac, Faculty of Science, Department of Physics	
RESEARCH ASSISTANT	(2018.06 - 2022.05)
University of Kragujevac, Faculty of Science, Department of Physics	
PHYSICS TEACHER	(2016.01 - 2016.06)
First Grammar School of Kragujevac, Kragujevac, Serbia	
RESEARCH TRAINEE	(2015.06 - 2018.06)
University of Kragujevac, Faculty of Science, Department of Physics	
TEACHING ASSISTANT	(2013.09 - 2014.09)
University of Kragujevac, Faculty of Science, Department of Physics	

EDUCATION

PHD IN PHYSICS (FIBER OPTICS AND PHOTONICS)	(2013 - 2021)
University of Kragujevac, Faculty of Science, Department of Physics	
Thesis title: <i>Modelling of Photonic Crystal Fibers with W-shaped Refractive Index Profile</i>	
MSC IN PHYSICS	(2013 - 2012)
University of Kragujevac, Faculty of Science, Department of Physics	
Thesis title: <i>Investigation of Transmission Characteristics in Gradient Optical Fiber</i>	
BSC IN PHYSICS	(2007 - 2012)
University of Kragujevac, Faculty of Science, Department of Physics	

RESEARCH INTERESTS

OPTICAL FIBERS AND PHOTONICS

step- and graded-index fibers, photonic crystal fibers, hollow fibers, fiber optical parametric amplifiers and fiber sensors

PLASMA PHYSICS

surface-waves sustained plasma, two-dimensional compressional MHD, numerical methods in plasma modelling

PHYSICS EDUCATION

demonstration experiments in teaching physics

OTHER

- guest student at Yonsei University, Seoul, South Korea (2014.12 - 2015.02)
- member of the commission for the state competition in physics for elementary and high school (2016 -)

PROFILES

- **Orcid:** [0000-0001-8412-1122](https://orcid.org/0000-0001-8412-1122)
- **Loop:** [2729653](https://loop.kg.ac.rs/2729653)
- **Scopus:** [57194625556](https://scopus.org/57194625556)