



**Evdokiya O. Belina - Hikova**, born 1988 works as a chief assistant researcher at the IOMT - BAS. She successfully defended her PhD - thesis "*Biosensors based on surface plasmon resonance in diffraction gratings with direct immobilization of the biosensing material*" in 2020 year. She graduated in Electronics and Laser techniques engineering from the University of Plovdiv „Paisii Hilendarski” in 2017. During the time of her master studies, she worked as an optical designer, where she gained great experience in the field of optics.

Her dissertation work was dedicated to a research in the field of biosensors – the development of a biochip, based on new plasmon structures. In present, she continues to work on the topic, developing rapid optical tests for “Point of care” diagnostics.

Her research interests include:

- Plasmonics & biosensor applications
- Plasmonics in fiber optics
- Biochemistry
- Laser ablation immobilization techniques

Reports and conference participation: 12