

# Barma Daria

## Bachelor of Laser Devices and Optoelectronic Systems

Date of birth: 25.03.1999, Khabarovsk, Russia



### Education



2017-2021 Bachelor Program  
Bauman Moscow State Technical University  
Laser and Optoelectronic Systems Department

2021-2023 Master Program  
Skolkovo Institute of Science and Technology  
Photonics and Quantum materials

Skoltech

### Experience



09/2020 - present time, Laboratory Assistant  
Shubnikov Institute of Crystallography of Federal  
Scientific Research Centre "Crystallography and  
Photonics" of Russian Academy of Sciences, Moscow,  
Russia

### Volunteering



World Dog Show (2016)  
- registration of participants



XIX World Festival of Youth and Students (10/2017)  
- meeting of festival participants at Moscow airports



38 World Bandy Championship (01/2018 - 02/2018)  
- accreditation center



St. Petersburg International Economic Forum (05/2018)  
- poster presentation of Khabarovsk



21st FIFA World Cup (06/2018 - 07/2018)  
- volunteer on Spartak stadium (storage room),  
Moscow

### Contacts

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### Social

 <https://vk.com/d.barma>

### Research Interests

- Optics and Photonics
- Optoelectronics
- Optical Materials
- Liquid Crystals
- Thin Films and Nanotechnology

### Skills

- Autodesk Inventor
- Kompas 3D
- Mathcad
- Microsoft Visual Studio C++
- LCD TDK
- Origin
- Adobe Photoshop
- Adobe Lightroom
- Adobe Premiere
- Figma
- 3D Printing
- Laser Cutting

### Languages

- Russian (native)
- English (B2)

## **Honors / Awards**

- The winner of the Conference "Student Scientific Spring"
- The winner of the Exhibition "Polytechnic"

## **Writing**

- D. D. Barma, A. R. Geivandov and D. G. Denisov, "Development of diffraction gratings based on liquid crystals", *Advances in Applied Physics*, 2(9), 144-152 (2021)

## **Conferences**

- XV Exhibition "Polytechnic", Moscow, Online Oral Session (2020)
- X International Conference of Photonics and Information Optics, Moscow, Poster Session (2021)
- All-Russian conference "Student Scientific Spring", Moscow, Oral Session (2021)

## **Research Grant**

- Participation as a researcher in the Grant #18-12-00361 from Russian Science Foundation (RSF) "Optical metasurfaces with high-speed liquid crystal control", 2021-2022