



# Maria Bosca

**ID:** CJ388516 | **Work permit:** Romanian | **Date of birth:** 11/02/1978 | **Place of birth:** Nasaud, Romania |

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**Address:** 16th Borhanciului Street, 400426, Cluj-Napoca, Romania (Home)

## WORK EXPERIENCE

 **TECHNICAL UNIVERSITY OF CLUJ-NAPOCA, DEPARTMENT OF PHYSICS AND CHEMISTRY – CLUJ-NAPOCA, ROMANIA**

**UNIVERSITY LECTURER IN PHYSICS – 01/10/2015**

- planning teaching, including lectures, seminars, lab works and learning materials.
- writing research proposals, papers and other publications.
- carrying out administration, such as attending faculty meetings.

 **TECHNICAL UNIVERSITY OF CLUJ-NAPOCA, DEPARTMENT OF PHYSICS AND CHEMISTRY – ROMANIA**

**TEACHING ASSISTANT IN UNIVERSITIES – 01/10/2005 – 01/10/2015**

- planning teaching, including seminars, lab works and learning materials.
- writing research proposals, papers and other publications.
- carrying out administration, such as attending faculty meetings.

 **TECHNICAL UNIVERSITY OF CLUJ-NAPOCA, DEPARTMENT OF PHYSICS AND CHEMISTRY – CLUJ-NAPOCA, ROMANIA**

**TEACHING ASSISTANT – 01/10/2003 – 01/10/2005**

- teaching, including seminars, lab works and learning materials.

## EDUCATION AND TRAINING

01/10/2004 – 01/10/2013 Cluj-Napoca, Romania

**PH.D IN PHYSICS** Babeş-Bolyai University of Cluj-Napoca, Physics Department

**Field of study** Physics of Materials Oxide

01/10/2003 – 01/10/2004 Cluj-Napoca, Romania

**MASTER'S IN PHYSICS** Babeş-Bolyai University of Cluj-Napoca, Physics Department

**Field of study** Physics of Materials Oxide

01/10/1998 – 01/10/2003 Cluj-Napoca, Romania

**BACHELOR'S DEGREE IN ENGINEERING** Technical University of Cluj-Napoca, Machine Building Faculty

**Field of study** Applied Sciences – Applied Physics

## LANGUAGE SKILLS

Mother tongue(s): **ROMANIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	B2	B2	B2	B2	B2
<b>FRENCH</b>	B2	B2	B2	B2	B2

## ● SKILLS

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Microsoft Office | Good listener and communicator | General reserch

## ● PUBLICATIONS

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2025

### [The effect of Tb<sup>3+</sup> on structural and luminescent properties of some zinc-antimony-boro-germanate glasses and glass ceramics](#)

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Write here the description...

Bogdan Golgotiu, Lidia Pop, Loredana Olar, Gheorghe Borodi, Liviu Bolundut, Maria Bosca, Razvan Stefan, Eugen Culea, Petru Pascuta

**Journal Name:** Ceramics International | **Volume, Issue and Pages:** Volume 51, Issue 27, Part C, Pages 54739-54745

2025

### [Synergistic bactericidal and anticancer potential of rubidium and silver-containing phosphate-based bioglasses](#)

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**Authors:** M. Bosca, L. C. Bolundut, L. Pop, R. Lucacel-Ciceo, G. Stiufiuc, R. F. Badila, I. Lupan, O. R. Koblicska, A. Onaciu, D. Cenariu, A.-B. Ţigu, G. Katona, D. Simedru & P. Pascuta | **Journal Name:** Scientific Reports | **Volume, Issue and Pages:** Scientific Reports volume 15, Article number: 37135

2012

### [Spectroscopic and magnetic behavior of Gd and Nd ions in lead-germanate glasses](#)

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L.Pop, M.Bosca, E.Culea

**Journal Name:** Journal of Alloys and Compounds | **Volume, Issue and Pages:** Journal of Alloys and Compounds, 525 (2012) 58

2011

### [Thermal, structural and magnetic properties of some zinc phosphate glasses doped with manganese ions](#)

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P. Pascuta, M.Bosca, G.Borodi, E.Culea

**Journal Name:** Journal of Alloys and Compounds | **Volume, Issue and Pages:** Journal of Alloys and Compounds 509 (2011) 4314

2009

### [XRD and FTIR structural investigations of erbium-doped bismuth-lead-silver glasses and glass ceramics](#)

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M.Bosca, L.Pop, G.Borodi, P.Pascuta, C.Culea

**Journal Name:** Journal of Alloys and Compounds | **Volume, Issue and Pages:** Journal of Alloys and Compounds 479 (2009) 579