

**PERSONAL INFORMATION**

**Vasiliki Gousia**



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Sex Female | Date of birth 04/01/1991 | Nationality Greek

**EDUCATION AND TRAINING**

1996–2008 **Basic Studies**  
Primary, Secondary and High School in Ioannina (Greece)

2008–2013 **Diploma in Materials Science and Engineering**  
University of Ioannina, Ioannina (Greece)  
Diploma awarded in 2013  
Diploma Thesis : “Production of Al-matrix composites reinforced with WC ceramic nanoparticles and study of their potentiodynamic polarization and sliding wear properties”, Laboratory of Physical Metallurgy, Department of Materials Science and Engineering, University of Ioannina, Greece, 2013 (supervisors Associate Professor Dr. Eng. Angeliki Lekatou and Assistant Professor Dr. Eng. Alexander Karantzalis).  
Diploma Score 7.60 - Very Good  
*Info: Curriculum lasts 10 semesters (5 years); it includes (mandatorily) a Diploma Thesis in the last semester and an internship at the end of the 4<sup>th</sup> year; it gathers 300 ECTS (according to Bologna treaty).*

2013– Present **Post graduate Student**  
Master in Chemistry and Technology of Materials.  
University of Ioannina, Ioannina (Greece)

**PERSONAL SKILLS**

Mother tongue(s) Greek

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
	Certificate of Competency in English, The University of Michigan, B2				
Spanish	B2	B2	B2	B2	B2
	Certificado Estatal De Conocimiento De Lenguas Extranjeras, B2				

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user  
Common European Framework of Reference for Languages

- Job-related skills** Good knowledge of all experimental techniques in Materials Science and mainly those related to
- Physical Metallurgy
  - Powder Metallurgy
  - Welding Technology
  - Aluminium Technology, and
  - Destructive / Non-destructive analysis
- Namely, metallographic preparation, optical and electronic microscopy (SEM/EDS), high energy ball milling, mechanical properties and hardness, sliding wear, corrosion, erosion, X-ray analysis.
- Computer skills**
- ECDL Core Certificate (Word Processing, Spreadsheets, Using Databases, Presentation, Web Browsing and Communication, Concepts of Information and Communication Technology )

## ADDITIONAL INFORMATION

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- Internship**
- Industrial Area of Ioannina, Greece, Formation and production of steel joint parts (July-August 2012, 2 months)
- Publications**
- Lekatou, A.E. Karantzalis, A. Evangelou, **V. Gousia**, G. Kaptay, Z. Gácsi, P. Baumli, A. Simon, “Aluminium reinforced by WC and TiC nanoparticles (*ex-situ*) and aluminide particles (*in-situ*): Microstructure, wear and corrosion behaviour”, Materials & Design, 2014, Article in Press, DOI:10.1016/j.matdes.2014.08.040
- Presentations**
- A.E. Karantzalis, A. Lekatou, **V. Gousia**, A. Evangelou, Z. Gacs, P. Baumli, G. Kaptay, A. Simon, “ Flux assisted casting preparation and surface property evaluation of Al matrix composites reinforced with carbide nanoparticles”, Poster in the ICCST/9, 9<sup>th</sup> International Conference on Composite Science Technology, Sorrento, Naples, Italy, 24-26/04/2013.
  - A.E. Karantzalis, A. Lekatou, A. Evangelou, **V. Gousia**, C. Miskaki, A. Sfikas, Z. Gacs, P. Baumli, G. Kaptay, A. Simon, “Microstructure, Corrosion and Wear Resistance Evaluation of Aluminium Matrix Composites Reinforced by TiC and WC nanoparticles”, 3<sup>rd</sup> ICEAF, International Conference of Engineering Against Failure, Kos, Greece, 26-28/06/2013.
  - A.E. Karantzalis, A. Lekatou, A. Evangelou, **V. Gousia**, Z. Gacs, P. Baumli, G. Kaptay, A. Simon “Microstructure of Aluminium Matrix Composites Reinforced by TiC and WC nanoparticles and evaluation of their Corrosion and Wear Resistance”, Poster in the 5<sup>th</sup> National Conference of Metallic Materials, Vols, Greece, 20-22/11/2013.

## References

- Associate Professor Dr. Eng. Angeliki Lekatou, Laboratory of Physical Metallurgy, Department of Materials Science and Engineering, University of Ioannina, Greece, +30-2651007309, alekatou@cc.uoi.gr
- Assistant Professor Dr. Eng. Alexander Karantzalis, Laboratory of Physical Metallurgy, Department of Materials Science and Engineering, University of Ioannina, Greece, +30-2651009026, akarantz@cc.uoi.gr , alexkarantzalis@gmail.com
- Associate Professor Dr. Simeon Agathopoulos, Laboratory of Ceramics and Composite Materials, Department of Materials Science and Engineering, University of Ioannina, Greece, +30 -2651009007, sagat@cc.uoi.gr