

Curriculum vitae

Personal details

Name: Alexandra Szemjonov

Place and date of birth: Tatabánya (Hungary), 24 October 1989

Nationality: Hungarian

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Education

2013-2016 (expected): Université Pierre et Marie Curie, Paris: PhD school of Physical and Analytical Chemistry. Thesis supervised by Thierry Pauporté in the Laboratoire d'Electrochimie, Chimie des Interfaces et Modélisation pour l'Energie.

2012-2013: Université Pierre et Marie Curie, Paris: Master 2 in Materials Chemistry and Physical Chemistry

2011-2012: Budapest University of Technology and Economics, Masters in Chemical Engineering. Specialized in Materials Science.

2008-2011: Eötvös Loránd University, Bachelor in Chemistry. Member of the Eötvös József Collegium and the Bolyai Kollégium.

2005-2008: ELTE Apáczai Csere János Secondary Grammar School, Baccalaurate. Specialized in Natural Sciences.

Knowledge of languages:

English: C1 level state-accredited language certificate

French: C1 level state-accredited language certificate

Russian: basic

Hungarian: native

Research projects:

- October 2013-September 2016 (expected): Mixed experimental/theoretical study of quantum dot sensitized solar cells
- January 2013 to June 2013: preparation and characterization of crystals for non-linear optical applications

- June-July 2012: static and dynamic light scattering measurements on cyclodextrin polymers
- September 2011-May 2012: preparation, structural and morphological analysis of hydroxiapatites in the Department of Plasma Chemistry (Chemical Research Centre of the Hungarian Academy of Sciences)
- September 2010-June 2011: Thesis titled "Analysis of chemical shifts in collagen models" in the Laboratory of Research of Biological and Chemical Structure, Eötvös Loránd University

Scholarships, competitions and prizes:

- August 2012-July 2013: French Governmental Scholarship
- 2007 and 2008: participation in the national selection of the International Chemistry Olympiad
- 2008: ranked 9th in the National Competition in Chemistry for Secondary School Students

Social activities:

2009-2010: Financial referee of the student committee of Eötvös Collegium

2009: Administrator of the Biology-Chemistry workshop at Eötvös Collegium

Hobbies:

- Reading
- Music: 6 years of education in accordeon, flute and solfege in the Erkel Ferenc Elementary Music and Art School of Tatabánya
- Swimming, running, hiking