

PERSONAL INFORMATION

Family Name, First Name: Karamanidou Theodora
Place/Date of Birth: Thessaloniki, Greece / 19 December 1987
Gender: Female

EDUCATION & PROFESSIONAL TRAINING

- 2005-2010** : **Diploma in Chemical Engineering**
Department of Chemical Engineering, Aristotle University of Thessaloniki, Greece
Thesis Title in Tissue Engineering: “Fabrication and mechanical characterization of three-dimensional porous scaffolds from PLGA for applications in the regeneration of bones and cartilage”
- 2011-2015** : **PhD in Chemical Engineering**
Department of Chemical Engineering, Aristotle University of Thessaloniki, Greece
Supervisor: Prof. C. Kiparissides, Title of Dissertation: “Mucus Permeating Nanocarriers for Controlled Drug Delivery”
- 2015-2016** : **Post-Doctoral Researcher in Chemical Engineering**
Department of Chemical Engineering, Aristotle University of Thessaloniki, Greece
“Mathematical modelling of diffusion phenomena through biological membranes and development of drug delivery systems for the oral and ocular administration of peptides and proteins”

CURRENT POSITIONS

- 01/10/16-present** : **PLiN Nanotechnology S.A.**, *Spectra Business Center, 12th km Thessaloniki-Chalkidiki, (Gefyra Paspala) P.O. Box 60148, Thessaloniki 570 01, Greece, tel.: +30 2316 007 840.*
Role: Occupied as a Chemical Engineer in the R&D department of the company.

PREVIOUS PROFESSIONAL EXPERIENCE

- 02/11-05/16** : **Aristotle University of Thessaloniki**
Role: Worked on ALEXANDER project, a large-scale collaborative research project within the 7th European Framework Programme for Research and Technological Development.

HONORS AND AWARDS

- 2005 (entry year): Academic award from the Department of Chemical Engineering, Aristotle University of Thessaloniki
- 2010 (graduation year): Academic award from the Department of Chemical Engineering, Aristotle University of Thessaloniki
- 2010 (graduation year): Academic award from the Technical Chamber of Greece
- 2005 (entry year): Scholarship from the State of Scholarships Foundations
- 2005-2006 (first year): Scholarship from the Department of Chemical Engineering, Aristotle University of Thessaloniki
- 2005-2006 (first year): Scholarship from the State of Scholarships Foundations

SELECTED RELEVANT PUBLICATIONS

In Scientific Journals

- V. Bourganis, T. Karamanidou, E. Samaridou, K. Karidi, O. Kammona, C. Kiparissides, *On the Synthesis of Mucus Permeating Nanocarriers*, *European Journal of Pharmaceutics and Biopharmaceutics*, 2015, 97(Pt A), 239-249.
- T. Karamanidou, K. Karidi, V. Bourganis, K. Kontonikola, O. Kammona, C. Kiparissides, *Effective Incorporation of Insulin in Mucus Permeating Self-Nanoemulsifying Drug Delivery Systems*, *European Journal of Pharmaceutics and Biopharmaceutics*, 2015, 97(Pt A), 223-229.
- T. Karamanidou, V. Bourganis, O. Kammona, C. Kiparissides, *Lipid-based Nanocarriers for the Oral Administration of Biopharmaceutics*, *Nanomedicine*, 2016, 11(22), 3009-3032.
- V. Bourganis, T. Karamanidou, O. Kammona, C. Kiparissides, *Polyelectrolyte Complexes as Prospective Carriers for the Oral Delivery of Protein Therapeutics*, *European Journal of Pharmaceutics and Biopharmaceutics*, 2017, 111, 44-60.
- O. Kammona, V. Bourganis, T. Karamanidou, C. Kiparissides, *Recent Developments in Nanocarrier-Aided Mucosal Vaccination*, *Nanomedicine* (in press).

In International & National Conferences

- T. Karamanidou, V. Bourganis, K. Karidi, O. Kammona, C. Kiparissides, "Slippery" Nanoparticles for the Mucosal Delivery of Biomolecules, 10th International Conference on Nanosciences & Nanotechnologies (NN13), 9-12 July, 2013, Thessaloniki, Greece.
- T. Karamanidou, V. Bourganis, K. Karidi, O. Kammona, C. Kiparissides, PLGA-PEG Nanocarriers for the Mucosal Delivery of Macromolecules, 19th International Symposium on Microencapsulation, 9-11 September, 2013, Pamplona, Spain.
- T. Karamanidou, E. Samaridou, V. Bourganis, K. Karidi, O. Kammona, C. Kiparissides, *Mucus Permeating Nanocarriers for the Delivery of Biopharmaceutics*, 12th International Conference on Nanosciences & Nanotechnologies (NN15) Conference, 7-10 July 2015, Thessaloniki, Greece.
- C. Kiparissides, O. Kammona, K. Karidi, T. Karamanidou, V. Bourganis, E. Samaridou, *Mucus Permeating Nanocarriers for the Delivery of Proteins*, *The European Summit for Clinical Nanomedicine and Targeted Medicine & The Translation to Knowledge Based Medicine Eighth Conference and Exhibition*, June 28-July 1, 2015, Basel, Switzerland.
- C. Kiparissides, O. Kammona, K. Karidi, E. Samaridou, V. Bourganis, T. Karamanidou, *Permeating Nanocarriers for the Oral Delivery of Biomolecules*, 8th International Conference and Exhibition on Pharmaceutics & Novel Drug Delivery Systems, 7- 9 March 2016, Madrid, Spain.

SELECTED RELEVANT PROJECTS

- NMP-2011-280761, 2011-2015, *Mucus Permeating Nanoparticulate Drug Delivery Systems (a large-scale collaborative research project within the 7th European Framework Programme for Research and Technological Development)*.
- Internship (IAESTE), 2008, Department of Biogenetics, PICME, Austrian Institute of Technology GmbH – AIT, *Gene Expression Analysis of Drought Stressed Oaks Using cDNA Microarray*.