



**Name:** Mehdi Vahdati

**Project title:** Adhesive Properties of Injectable Hydrogels

**Interests:** Novel fabrication techniques, smart materials inspired from Nature

**Supervisors:** Dominique Hourdet, Costantino Cretan

**Host institution:** ESPCI ParisTech

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**Short CV  
(text)**

I am currently a PhD student at ESPCI/CNRS (SIMM Lab), within the BioSmart Trainee network. I obtained my bachelor's degree in Polymer Engineering from Amirkabir University of Technology (Tehran Polytechnic), Iran, where my research project was on Production of hybrid Micro/Nano-Particles with Peculiar Geometries Using Diatom Planktons' Shells as Platforms. I was granted an honors admission into the master's program, during which I worked on Production of Nanostructured Bio-Compatible and -Degradable Electrospun PLLA/PEO Blend Nanofibers with Potential Applications as Tissue Engineering Scaffolds. In the meantime, I was also a research assistant with another group studying processing-microstructure-property relationships in polymer blends and nanocomposites. From the very beginning, I took an avid interest in conducting interdisciplinary research, therefore, I am glad to find my doctoral program very compatible with my research interests.

## CV (table)

09/2011-08/2016	Fabrication and characterization of polymer blends and nanocomposites using rheological and thermal techniques
08/2013-01/2016	Studying nanostructured electrospun fibers from PLLA/PEO, and their applications in tissue engineering
01/2015-02/2015	Contribution to the preparation of a research proposal on vascular tissue regeneration (design and materials considerations)
2013-2014	Teacher Assistant (polymer processing course), Polymer Engineering and Color Technology Department, Amir Kabir University of Technology
10/2014	Instructor of Academic Writing Workshop, Amir Kabir University of Technology (Textile Engineering Department)
08/2010-12/2012	Production and characterization of biologically inspired micro/nano-particles by polymerization onto the marine diatoms' silica shells