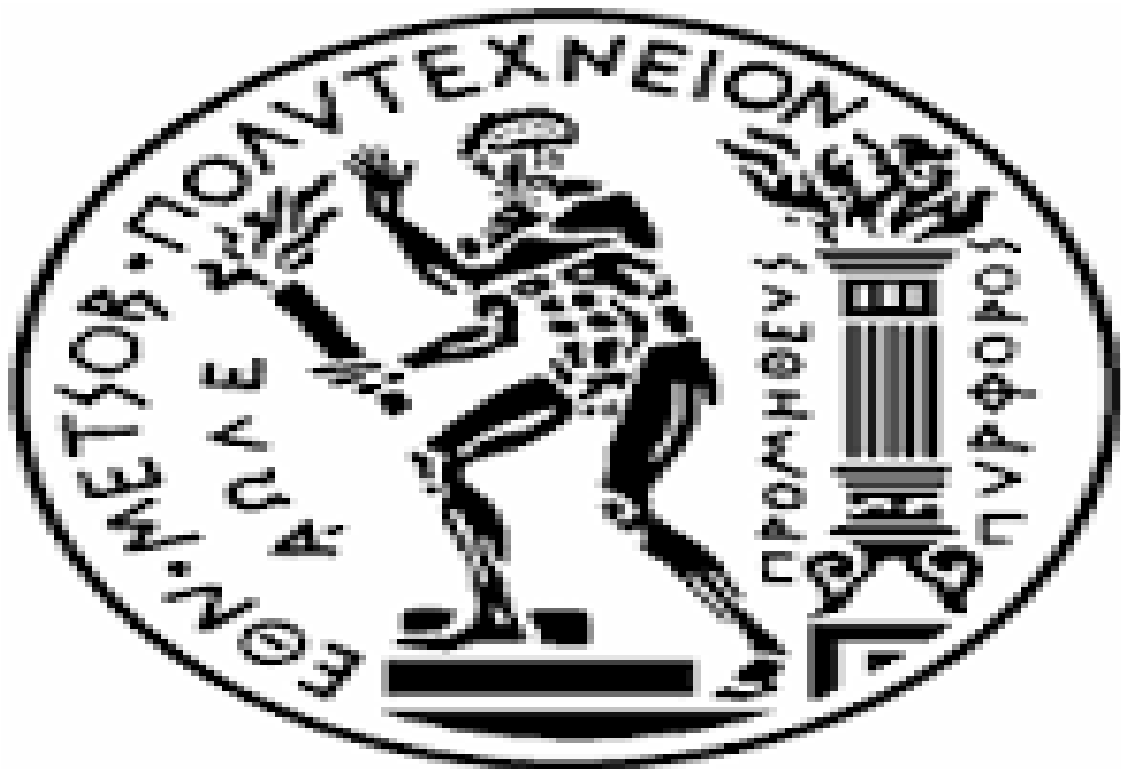


CURRICULUM VITAE

POMAKIDOU K. SOFIA

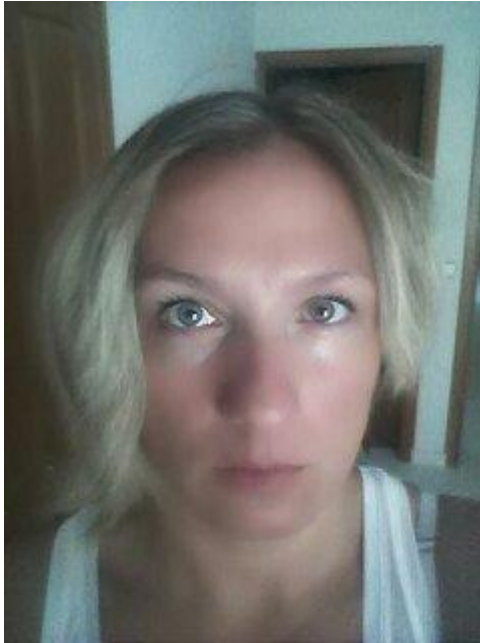


ATHENS 2017

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CURRICULUM VITAE



Pomakidou K. Sofia

**B.S. Applied Mathematics and Physics
National Technical University of Athens**

**Orientations:1) Applied Mechanics
2)Applied Statistics**

Diploma Degree:7,94

M.V Engineering Courses:8.0

M.VMathematic Courses:8.1

1st Graduate of The Year

M.Sc Computational Fluid Dynamics

National Technical University of Athens

PhD Candidate in Biomechanics NTUA

A. GENERAL INFORMATION

A1. Personal Information

Birth Date:	February 22, 1980
Birth place:	Thessaloniki, Greece
Address:	Gramou 10 15127, Melissia, Athens, Greece tel: +30 210 8028227 fax: +30 210 8027227
Job Address:	Institute of Environmental Research and Sustainable Development, National Observatory of Athens (NOA) , Lofos Koufou, GR 152 36, P. Penteli, Athens, Greece

Laboratory of Testing Materials
National Technical University of Athens,
Zografou Campus 9, Iroon Polytechniou str 15780
Zografou

E-mail:	spomakidou@yahoo.gr
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Marital Status:	Married, 3 children
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A2. Education

2012 – 2017	B.S Applied Mathematics and Physics, National Technical University of
2017-2019	M.Sc Computational Fluid Dynamics, NTUA

2017-present	PhD in Biomechanics, NTUA
<i>Languages</i>	Greek(native) English (fluency, Proficiency, lower diploma) French(Professional level, Certificate)

A3. Professional Experience

2019-present	Reasearch Fellow in National Observatory of Athens, Horizon 2020, SMURBS/ERA-PLANET
2019-present	Founder, reasearcher and developer in project INJURY PREVENT. Eurobank egg 2019-2020
2012-2019	Teaching experience in Mathematical modeling, Analysis P.D.E, Mechanics

2017 – 2019

Data analyst, constuctural company

2012 –2019

Physics and Mathematic Courses in High School Students

2006 – 2014

Guitar Teacher

B.RESEARCH– EDUCATIONAL ACTIVITIES

B1. Research Fields of Interest

1. Bioengineering: Testing Materials, Simulation of Biomaterials, Mathematical and Engineering Modeling
2. Statistics: Statistical Modeling and Aplications, Linear and Nonlinear Models

B2. Research Experience– IT Skills

1. Experimental Bioengeeniring study Of Human Absominal Aorta I.IB.EA. A Athens Academy
2. Experimental Bioengineering Modeling for Failure Function in artery. (D.I.C Manipulation, Loading study for Brazilian Test. Mathematical Modeling, emphasis in Complex Analysis.)
3. Programming Languages (JAVA, FORTRAN, Matlab, Python)
4. Operating Systems (Windows, Linux)
5. Software Packages (Comsol, ANSYS, ABAKUS), -Mathematical and statistical analyses software – (Matlab, Mathematica, Statistica, Maxima,LabView, Origin,R, Minitab, Image Pro) – Office applications (Word, Excel, Power Point)

B3. Projects– Role

	Project title	Funding source	Duration	Role
1	Total Knee Arthroplasty	(None) Seminar project, course: Introduction in Biomechanics Testing Materials Lab	2014-2015	Experimental, Data analysis, Authorship
2	Brazilian Test	(None) Seminar project, Course: Failure Mechanics	2015	Report authorship

		Testing Materials Lab		
3	Tension, Extension test	(None) Seminar project, Course: Failure Mechanics Testing Materials Lab	2015	Data analysis, Report authorship
4	EXPERIMENTAL STUDY OF THE BIOMECHANICAL BEHAVIOR OF THE KEY BRANCHES OF HUMAN BEARING AORTAS	(None) Biomedical Research Foundation Academy of Athens	2015-2017	B.S. Thesis
5	Comutational Modeling of Plane Plate with Nodal Loadind	(None) Seminar Project, Course: Finite Elements Testing Materials Lab	2016	Study, report authorship.
6	Statistical analysis in failure materials Of Electricity Company	Company ΣΧΣ ATEE Mathematical Department NTUA	2015	Data analysis Decision Maker
7	Optimization of aircraft landing	(None) Seminar project Course: Operatonal Research Mathematical Department NTUA	2016	Study, Project Solver Report authorship and presantation
8	Experimental Bioengineering Failure Modeling	Laboratory of testing Materials	2019	Experiment, Mathematical Modelind, Computational Simulation
9	Computation Simulation of Human's Peripheral Bearing Aorta, loadind modeling	M. Sc Thesis	2019	Mathematical Modeling, simulation, authorship, presentation
10	Experimental Bioengeeniring study of the respiratory airways, after exposure to atmospheric pollutants	N.O.A project Horizon 2020, SMURBS/ERA-PLANET	2019	Experiment, Mathematical Modeling, simulation, authorship

	Bioengineering methods for INJURY PREVENT	Eurobank egg MEDINEVO company	2019	Founder, experiment, Mathematical Modeling, simulation, authorship, presentation
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B4. Participation in conferences/seminars

1. 6th Conference of Hellenic Company of Biomechanics, Conferencial and Cultural Center, Techical University of Patra, Patras 10-12 October 2014
2. **1st INTERNATIONAL CONFERENCE OF THE GREEK SOCIETY OF EXPERIMENTAL MECHANICS OF MATERIALS**
Title: EXPERIMENTAL STUDY OF THE BIOMECHANICAL BEHAVIOR OF THE KEY BRANCHES OF HUMAN BEARING AORTAS
May 10-12, 2018 / Athens, Greece
3. Basic ANSYS Seminar October 2018
4. Fluid Solid Interaction ANSYS Seminar December 2018
5. Paralel Programming for Big Data June 2019 (NTUA)
6. M.B.A seminars July 2019 (Eurobank Egg)

C. OTHER SKILLS

C1. Communication Skills

1. Good communication, Patience, Determination, Responsibility and time Management to optimize results, Listener, expression with boldness and clarity.

C2. Organizational Skills

1. Organazation and determination of experimental Protocol ‘Simulation Of Elastic Tissue Of Human Absominal Aorta’
2. Organazation Of The philosophical Seminar ‘To do or not to do’ 2011,

C3. Activities and Interests

1. Sports: Volleyball (Premier League, championship 2002), beach volley (participation to the national championship), participation in classic Marathon, Athens
2. Music: Guitar (Harmony Diploma), Singing:(Orthophony Diploma)
 3. Theater: Theatrology, Kapodestrian Department of Athens, participation to amateur theatrical projects