



DANIA EL SAHMARANY

Currently Internship in Development of simplified protocols to asses hydro-mechanical behaviour of rammed earth.

Dania.elsahmarany@gmail.com

+33 6 64 64 50 01

linkedin.com/in/dania-el-sahmarany-2b42261bb

EDUCATION

University Grenoble Alpes

Grenoble-France
2020-2021

- **Master 2 in Geomechanics civil engineering and risks:[Selected Courses]**Selected Topics in Continuum Mechanics, Numerical Methods for Nonlinear Mechanics, Advanced Experimental Geomechanics, Dynamics of structures, Basic Engineering Seismology, Durability and Vulnerability(ENSE3), Soil Dynamics and Nonlinear .

University of Balamand-Lebanon

koura-Lebanon
2014-2020

- **Bachelor Engineering in Civil Engineering:[Selected courses]**Theory of Structures1,Theory of structures2,Shallow and Deep Foundation Design , Transportation and Highway Design, Hydrology, Project Management , Prestressed Concrete, Theory of Steel Structures, Finite Elements Analysis...
- **Bachelor of Technology in Civil Engineering and Construction.**

EXPERIENCE

- **Internship project related with my master 2 of geomechanics civil engineering and risks in LOCIE laboratory:** Development of simplified protocols to hydro-mechanical behaviour of rammed earth.
 1. Definition of an experimental study of the hydro-mechanical coupling in rammed earth construction material.
 2. Preparation and characterization of samples (66 cylindrical samples).
 3. Application of several tests(UCS, saturated and unsaturated triaxial test...)
 Data processing and drafting of progress reports.

Chambery France
3/2021-7/2021

- **Theses Project Related with my Bachelor of Engineering:** Engineering properties of dredged materials and contaminated sediments stabilized with binder(and study life cycle using **SimaPro** software.

Koura-Lebanon
10/2019-5/2020

- **Final Project in the last year of the Bachelor of technology:** Calculate the structure of a commercial building like (beam-column and foundation) then we continued with the HVAC calculation. *Koura-Lebanon 1/2017-6/2017*
- **Lab assistant at the university:** Training students on handling and treating engineering software's (AutoCad/Etabs/Plaxis..). *Koura-Lebanon 9/2018-5/2020*
- **KHATIB & ALAMI COMPANY-Mall Center Verdun , Lebanon:** Construction and founding a new mall center, I learned how to read and understand a map of shop drawing then low to applied it in the site. *Vedun-Lebanon 6/2015-8/2015*

PROJECTS

- Designing Buildings using Etabs, Sconcrete and AllPile.
- Drawing a project using AutoCAD.
- Full study of projects using Primavera.
- Finite Element project using Abaqus.
- Study of Life cycle of bloc using SimaPro which was part in my graduated project.
- Programing using Matlab Software.
- Designing of Tunnel using Plaxis.

SKILLS

- **Designing Software:** Etabs, Safe, SConcrete, AllPile, Primavera, MatLab, AutoCad (Shop drawing), Plaxis, SimaPro , Abaqus, Strata.
- **Programming Languages:** C++, Mathematica, Matlab and Python beginner.
- **Microsoft Office:** Word, PowerPoint, Excel, and LibreOffice.

INTERESTS & HOBBIES

- Reading
- Traveling
- outdoor activities

LANGUAGE

English ●●●●●○ Arabic ●●●●●●
 French ●●●●●○