

MUSTAPHA LATEB

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INTRODUCTION

I use Satellite Remote Sensing and GIS, Image processing, Machine Learning, Statistics, Timeseries Analysis in order to solve Ecological issues, mainly Landcover change and Forestfire mapping. Focus is on Open Source solutions, Python geospatial libraries, QGIS, linux, Version control systems. Commercial tools are also used.

I'm currently working as **researcher** at *Mediterranean Agronomic Institute of Chania MAICh*.

WORK EXPERIENCE

Researcher at the *Geoinformation in Environmental Management* department, *Mediterranean Agronomic Institute of Chania MAICh*.

COMMUNICATION AND ORGANISATION

Used to work in multicultural and multidisciplinary teams. Open to new ideas and challenges. I was in the organising committee of the following conferences:

- [38th Annual EARSeL Symposium](#)
- [11th EARSeL Forest Fires SIG Workshop](#)

OTHER WORK EXPERIENCE

During two years I worked

- Mar 2013-Sep 2013 : **Energy Steward** at Aldaph (Novo Nordisk A/S), TO, Algeria
- Nov 2011-Feb 2013 : **Quality Assurance Technician** at Aldaph (Novo Nordisk A/S), TO, Algeria

Novo Nordisk A/S - Global healthcare company headquartered in Denmark.

EDUCATION

- 2016 - current : *PhD student*, **Geoinformation applied to Plant Ecology**, UMMTO, Algeria
Topic: Multitemporal landcover mapping
- 2013 - 2016 : *M. Sc. Degree (2 years)*, **Geoinformation in Environmental Management**, MAICh, Greece
Thesis topic: "Development of an object-based classification model for monitoring treeline shifting, using aerial photography"
- 2011-2014 : *Magister degree (2 years)*, **Applied Plant Ecology and Environmental Management**, UMMTO, Algeria
Thesis topic: "Study of oak hybridisation using Geometric Morphometric (Landmark Method)"
- 2006 - 2011 : *Ingénieur d'Etat (5 years)*, **Plant ecology and Environment** UMMTO, Algeria
Thesis topic: "Inventory of oak gallings and evaluation their impact on forest stands"
- 2008 - 2011 : *Senior Technician (3 years)*, **Database Management** INSFP, Algeria

Thesis topic: " Creation of a Dynamic Website "

PROGRAMMING SKILLS

Geospatial processing: Python (rasterio, pandas, numpy, matplotlib,seaborn, geopandas, shapely, ...)

Database: SQL

Version controle: Git, GitHub

Web design: HTML , CSS, Markdown

Softwares: QGIS, eCognition, ArcGIS, ERDAS, MapInfo

Operating systems: Linux & Windows

LANGUAGES

- **Kabyle :** Mother tongue
- **English:** Fluent
- **French:** Fluent
- **Arabic:** Fluent
- **Greek:** Beginner