



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE 6175

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at Dipartimento di Scienze Agrarie e Ambientali - Produzione, Territorio, Agroenergia

Scientist- in - charge: **Masseroni Daniele**

[**Mariem Ayadi**]

## CURRICULUM VITAE

### PERSONAL INFORMATION

Surname	Ayadi
Name	Mariem

### PRESENT OCCUPATION

Appointment	Structure
Ph.D. student (The duration of the course completed and awaiting dissertation discussion)	National Institute of Physical-Chemical Research and Analysis of Tunis (LMTA) Tunis el Manar University University of Florence (Department of Chemistry "Ugo Schiff"),Italy

### EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree	Analytical Chemistry	Faculty of Science of Tunis, University Tunis el Manar	2020

### FOREIGN LANGUAGES

Languages	level of knowledge
English	B2, professional
French	C1
Italian	B2



## AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2022	Excellence travel award of a scholarship to carry out a research period while pursuing doctoral program (starting in September 2022) at University of Florence, Ugo Schiff, Italy
2022	" Researcher Mobility for Traineeships " to carry out a period of research during the course of the doctoral program (starting in February 2022) at University of Florence, Ugo Schiff, Italy
2021	Excellence travel award of a scholarship to carry out a research period while pursuing doctoral program (starting in September 2021) at University of Florence, Ugo Schiff, Italy
2019	Exchange scholarship funded by the German Academic Exchange Service "DAAD" Internship at the Faculty of Science in Rabat, Morocco

## TRAINING OR RESEARCH ACTIVITY

description of activity

**10.09.2021-08.02.2022:** 5-month study and research collaboration period at the Department of Chemistry "Ugo Schiff".

Implementation of the following activities:

✓ Production and characterization of carbon-based adsorbent materials using various analytical techniques such as Brunauer-Emme-Teller (BET), X-ray diffraction (XRD), elemental analysis (EA), metal analysis, and polycyclic aromatic hydrocarbon (PAH) analysis.

✓ Monitoring the removal performance of a pilot-scale constructed wetland integrated with the carbon-based adsorbent materials".

**09.02.2022-31.07.2022:** Mission was carried out with the University of Florence "The research activity was carried out on the legal basis of the university's call for proposals 2022 for the funding of internationalization activities"

The following work program was carried out:

✓ Characterization of different adsorbents using different analytical techniques: (SEM), (FTIR), (EDX), (NMR), elemental analysis (EA), (BET), and X-ray photoelectron spectroscopy (XPS) to evaluate the performance of the chosen materials.

✓ Analysis of plant/soil samples (organic/inorganic carbon, C-H-N-O content, content of metals).

**01.09.2022-29.12.2022:** internship period at the Department of Chemistry Ugo Schiff florence Italy

✓ Production and caraterization of different carbon-based adsorbent materials with different techniques analysis, such as Brunauer-Emme-Teller (BET), X-ray diffraction (XRD), elemental analysis (EA), analysis of metals, elemental analysis (EA), metals and polycyclic aromatic hydrocarbons (PAHs).

**June 2019 - Jul 2019:** Internship and workshop participation, Technical University of Berlin (TU berlin EL Gouna)

✓ Design of constructed wetlands.

✓ Training in analytical methods of analysis.

**Feb - Sep 2019:** Master research internship in analytical chemistry, phytoremediation of polluted surface water and optmization of constructed wetlands, National Institute of Physical-Chemical Research and



Analysis. (INRAP, Tunisia)

- ✓ Construction of plant filters.
- ✓ Wastewater treatment.

## PROJECT ACTIVITY

Year	Project
2019	ERANETMED-DEWESUSWAMA project

## CONGRESSES AND SEMINARS

Date	Title	Place
20/06/2022 23/06/2022	XIX Congresso Nazionale della Divisione di Chimica dell'Ambiente e dei Beni Culturali	Torino, Italy
17/11/2022 18/11/2022	Incontri di Scienza delle Separazioni	Florence, Italy
27/12/2021 29/12/2021	Sustainable Chemistry for Sustainable Agriculture	Sousse, Tunisia

## Articles in reviews

The first paper was submitted to the journal Environmental Science and Pollution Research (October 2023).

## Congress proceedings

➤ Presented poster entitled “**Analysis Of Pharmaceutical Compounds In Influent And Effluent Wastewater Of Vertical-Flow Constructed Wetlands Integrated With Biochar**” Incontri di Scienza delle Separazioni 2022, florence, Italy

➤ Presented poster entitled “**REMOVAL EFFICIENCY OF PHARMACEUTICAL COMPOUNDS BY VERTICALFLOW CONSTRUCTED WETLANDS INTEGRATED WITH BIOCHAR, TREATING URBAN WASTEWATER**” XIX Congresso Nazionale della Divisione di Chimica dell'Ambiente e dei Beni Culturali 2022, Torino, Italy

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.



Please note that CV WILL BE PUBLISHED on the University website and It is recommended that personal and sensitive data should not be included. This template is realized to satisfy the need of publication without personal and sensitive data.

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Place and date: Milan, 30/12/2023