



Transforming our relationship with nature is key to a sustainable future



Pr Lamia MOKADDEM

Professor of Economics, Head of research laboratory « Economic of Sustainable development, Natural resources and Agriculture, LEDDRNA”, University of Tunis El Manar, Faculty of Economics and management of Tunis, Head of the Tunisian association of the research , the innovation and the action for the sustainable development (ATRIADD). Email: lamia.mokaddem@fsegt.utm.tn



- **PROJECTS.....**



- **The PAQ Collabora Assur Cereals project**

The project’s overall objective is to help reduce Tunisia's trade deficit in the cereal sector. The specific objectives are to support agricultural risk management related to drought and to contribute to enhancing the capacity for processing satellite imagery to adapt to this risk. For reference: The PAQ Collabora Assur Cereals project is based on a consortium that brings together five partners: ENIT (lead partner), CTAMA, APAD, CNCT, and the Bizerte Competitiveness Pole. It has been funded to promote the thesis of Nesrine Abid in Hydraulic Engineering, defended in 2018. It contributes to the development of indices to promote the use of drought insurance by cereal producers and stakeholders in the cereal sector in Tunisia.



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Project: Soil Health and Agriculture Resilience through an Integrated Geographical Information systems of Mediterranean Dry lands

Action and Topic

(RIA) Developing integrated soil data for the Mediterranean Region: a gateway for sustainable soil management



Budget

4.099.366,95 €



Duration

36 months



Goals

SharinG-Med will contribute to the following 4 (four) Sustainable Development Goals: SDG2 End hunger, achieve food security and improved nutrition and promote sustainable agriculture; SDG6 Ensure availability and sustainable management of water and sanitation for all; SDG13 Take urgent action to combat climate change and its impacts; SDG15 Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss;

Objectives

The General Objective (GO) of SHARING-Med is building a standardised soil monitoring scheme to integrate physico-chemical, biological, agronomic, economic and environmental indicators to increase agriculture sustainability by informing stakeholders (policy-makers, scientists, soil end-users, etc.) on the use of and relationships among these indicators for Mediterranean landscape and crop sustainable management, and capable of improving the harmonization of various databases. The General Objective is broken down into 6 Specific Objectives (SOs): SO1 Enlarge the soil knowledge by covering unsampled areas; SO2 Study the role of Land Use and Land Use Change (LULUC) on soil properties; SO3 Analysing soil properties response to crop management, productivity, economic and environmental impacts; SO4 Assessing soil degradation drivers; SO5 Integration of scientific and communication expertise for research purpose; SO6 Fostering the application of sustainable management practices to enhance soil functions.



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Project



Strategies for increasing the WATER use efficiency of semi-arid Mediterranean watersheds and agrosilvopastoral systems under climate CHange (SWATCH)



DICAAR - DIPARTIMENTO DI INGEGNERIA AMBIENTALE E ARCHITETTURA



ENAS Sardegna

Forestas

Agencia Estatal regional pro fozedat de su territorio e de zurendat de sa Sardegna
 Agenzia forestale regionale pro lo sviluppo del territorio e dell'ambiente della Sardegna



Ecole Nationale Supérieure d'Hydraulique



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EEWRC - Energy, Environment and Water Research Center



The Goal

The overarching goal of this research project is to develop and apply innovative methodologies to increase the social-ecological water use efficiency of managed ecosystems along the Mediterranean biome and climate types, in the face of drier and more extremes climates. We will focus on a diverse set of seasonally dry ecosystems, spanning a large gradient of mean annual rainfall (from 35 to 935 mm/ly) across the Mediterranean biome.



The opportunities

The project economic impact will be significant for agricultural development and its sustainability since it will increase the system efficiency and decrease the overall costs. Stakeholders will be involved and will have a main role in the project. The project will provide to the stakeholders the scientific approach and results for defining the planning and management strategies for both current and future climates.





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FIT4REUSE will provide research, sustainable water management, and wastewater treatment systems, exploiting co-generation technologies. Integrated water systems will contribute to compensating the gap between agricultural water management and wastewater applications, providing solutions for sustainable practices.

FIT4REUSE will also focus on innovative technologies and tools to address challenges related to water quality and agricultural water management. Additionally, specific methodological and assessment tools will be created to meet project objectives.



3
Years



2,020,000
Budget



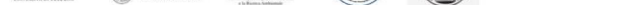
7
Mediterranean
countries



9
Partners



3
Demonstration
sites





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**WE BELIEVE INVESTING IN STUDENTS WHO TAKE
ENTREPRENEURIAL
ACTION FOR OTHERS
CREATES A BETTER WORLD FOR
US ALL.**

Enactus is a network of leaders committed to using business as a catalyst for positive social and environmental impact... educate, inspire, and support young people to use innovation and entrepreneurship to solve the world's biggest problems.

The national branch, Enactus Tunisia, contributes to the development of this program and coordinates it within French higher education institutions.

- **NEWS : An innovative agriculture project: 90% less water consumption and no pesticides.**

ENACTUS ENIT
SOUAQI FARMS



Enactus ENIT, an association under the 1901 law, of general interest, governed and composed solely by students of the National School of Engineers of Tunisia, all under the coordination of Enactus Tunisia.

- **SOUAQI project :a project with a noble goal**

The initiators of this project are three young doctoral students in biology and qualified trainers in hydroponics. With no lack of motivation or determination, this team and qualified trainers in collaboration with Enactus ENIT are running a hydroponic farm. The SOUAQI project aims to solve the problems of pesticide use, water scarcity and to popularise the concept of hydroponics in Tunisia. This project ensures:

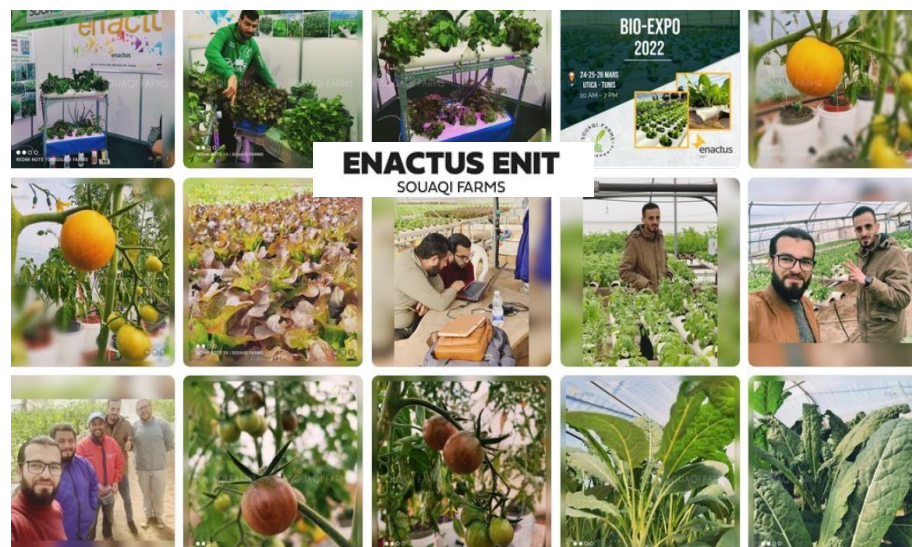
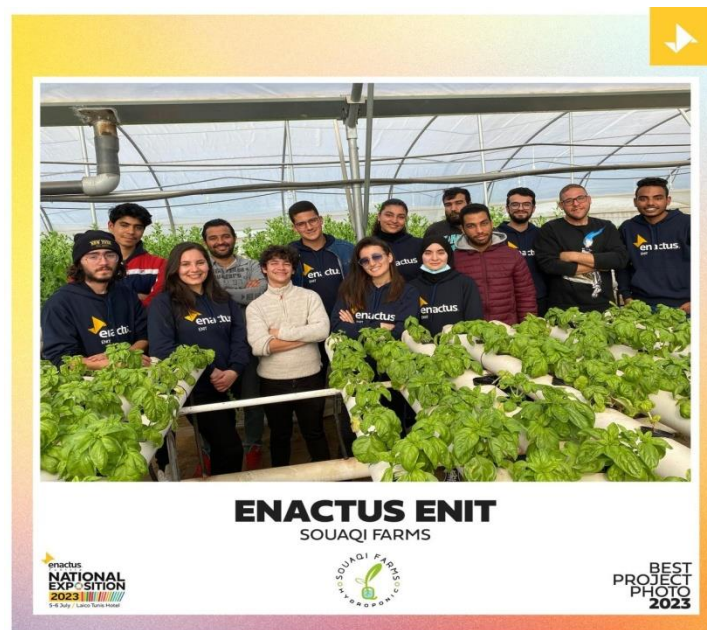




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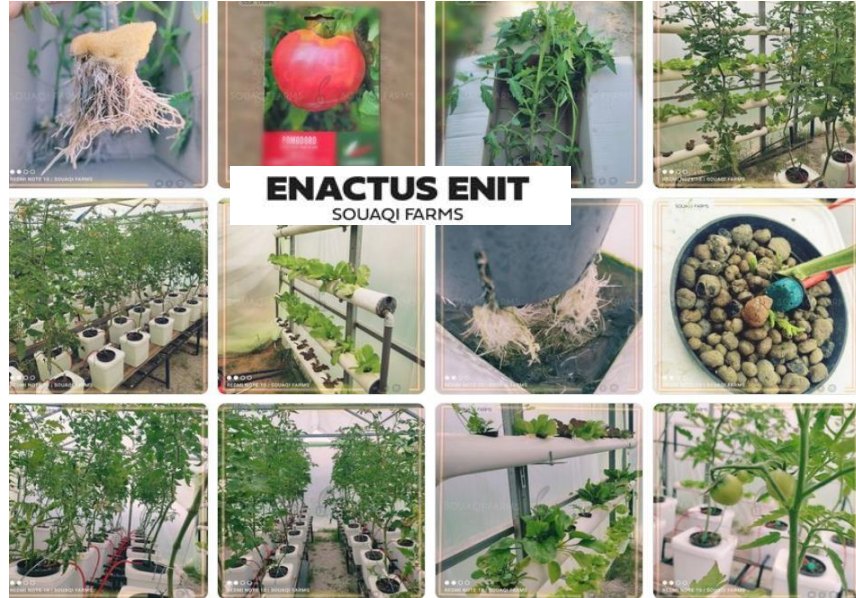
A sales network for unprocessed organic agricultural products. A popularisation of the concept of hydroponics through training for amateurs of this new approach and agripreneurs.

The launch of hydroponic projects: 9 hydroponic projects have been launched in the four corners of Tunisia. SOUAQI is a promising and innovative project in Tunisian agriculture. Not only does it make it possible to popularise this modern agricultural technique at a time when it is most needed, but it also makes it possible to combine engineering, agriculture, the hydroponics system and the internet in order to significantly improve the yield and quality of agriculture.





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SOUAQI FARMS
HYDROPONIC
SOUAQI FARMS

MARCHÉ SOLIDAIRE DE FIN D'ANNÉE

Produits du terroir , produits bio , produits d'hygiène & de beauté artisanaux .

22-25 Decembre 2022 , dans le Centre Fadhel Ben Achour Marsa

enactus ENIT

The complex block is a promotional poster for a market. It features a large background image of a hydroponic farm in a greenhouse. The text is arranged in a structured layout, including the company name 'SOUAQI FARMS' in a circular logo, the event title 'MARCHÉ SOLIDAIRE DE FIN D'ANNÉE', a description of the products, the event dates and location, and the 'enactus ENIT' logo at the bottom.

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WE BELIEVE INVESTING IN STUDENTS WHO TAKE
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CREATES A BETTER WORLD FOR
US ALL.



BEEKEEPERS

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12000 BEEKEEPERS

ALARMING TREND OF HIVE STEALING

Swipe Left



enactus

#We don't just
We connect



28 HIVES VANISHING MONTHLY

Solution →

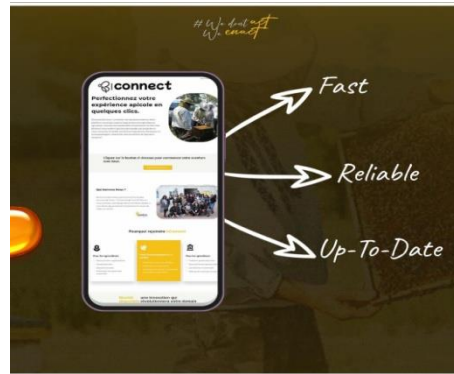


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BEEKEEPERS

Very buzz matters

With B-CONNECT, we're on a mission to safeguard the beekeepers and the vital role they play in our ecosystem. Our platform connects beekeepers with the perfect hive locations while implementing innovative security measures to combat hive theft. Join us in nurturing bee populations and preserving biodiversity, one hive at a time.



▪ Living Lab....



1^{er} Atelier du :
Fish Living Lab 
Laboratoire vivant de la pêche
 Projet GEL GINTEL- BIZERTE

« Analyse des problèmes et Diagnostic participatif de l'état actuel de la pêche dans la Lagune de Bizerte »

Le 11 /07/2024 à partir de 9h00
 Municipalité de Menzel Abderrahmane Bizerte

En collaboration avec :

Comité d'organisation :
 Pr Lamia MOKADDEM Directrice de L. EDDRNA (FSEGT UTM) M^{me} Syrène BEN NACEF Présidente de JCI-Bizerte
 Pr Mohamed BOUHARI, Dr Ali ALJENE, Dr Fayçal RADDAOUI FSEGT UTM)



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▪ Fish Living lab (Gel GINTEL - Bizerte project)

The living Lab in Gel Gintel - Bizerte project (L. EDDRNA, FSEGT UTM), use this method for small scale fisheries issues, which has rarely been attempted before. In these, the complex interactions between human socio-economic social conditions (fisheries, industries, economics, politics) and natural conditions in Bizerte lagoon (biodiversity, climate change, eutrophication) are addressed.



▪ Living Lab



Living Lab organized on May 23, 2024 by ISSBAT as part of the Horizon Europe Mar2Protect project. This event brought together researchers, academics, companies, public institutions and members of civil society. The main objective was to co-create innovative solutions to address current groundwater challenges in Tunisia, particularly groundwater recharge, with a focus on the study site of Oued Souhil, Nabeul.



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▪ Working Workshops....

Working Workshop for Producers in Upstream and Downstream of Cereal Producers,

“Productivity Index Estimated from Satellite Information and Hydroclimatic Projections” on Thursday, October 5, 2023, from 9 AM to 12 PM at the Bizerte Competitiveness Pole.** This workshop is part of the Pack-Collabora project:

Assur Cereals, “Monitoring/Development of Drought Indices for Decision-Making in Cereal Productivity Management in Tunisia,” with project partners including ENIT, APAD, CTAMA, CNCT, and the Bizerte Competitiveness Pole.

It is an opportunity to see what this partnership has consolidated through the use of meteorological and satellite observations in support of cereal production in Tunisia. By providing information on indices for monitoring crop status and positioning various agricultural campaigns within the framework of climate variability through statistical analysis, you can predict your harvest and optimize your production costs. !



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Program of the closing seminar of the PRIMA SWATCH Project "Strategies for increasing the water efficiency of agro- sylvo-pastoral systems under climate change, in semi-arid watersheds of the Mediterranean" Thursday, June 13, 2024 at the KANTRA agricultural vocational training center, Siliana.



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▪ **TRAINING....**





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▪ Master class: Micro nutrition and health

01 Apr Master class.

The Faculty of Medicine of Tunis is organizing a master class entitled “Micro nutrition and health” according to the downloadable flowchart.

The Learning objectives:

1. Explain the Biochemical Roles of Micronutrients
2. Identify and Diagnose Micronutrient Deficiencies
3. *Understand the Clinical Implications of Micronutrient Imbalance
4. Correlate Micronutrient Status with Disease Prevention
5. Examine Therapeutic Approaches for Micronutrient Deficiencies
6. Integrate Nutritional Assessment into Clinical Practice
7. Apply Knowledge to Case-Based Learning

This set of objectives would help students not only understand the importance of micronutrients but also apply this knowledge directly in clinical settings.



The poster is titled 'Master Class' in red, with the University of Tunis El Manar logo on the right. The main title is 'MICRONUTRITION & SANTÉ' in large green letters. Below this, it specifies the location as 'LIEU: FACULTÉ DE MÉDECINE DE TUNIS'. The poster is divided into two modules: 'MODULE 1' (3-4 mai 2024) on 'Introduction à la micronutrition' and 'MODULE 2' (10-11 mai 2024) on 'Micronutrition et diverses pathologies'. It lists a target audience of generalists, family doctors, and specialists in various fields. A QR code for registration is provided, along with the fee of 240 TND and the coordinator's contact information. The bottom of the poster features a colorful illustration of various fruits and vegetables.

Master Class

جامعة تونس المنار
UNIVERSITY OF TUNIS EL MANAR

MICRONUTRITION & SANTÉ

LIEU: FACULTÉ DE MÉDECINE DE TUNIS

MODULE 1
3-4 mai 2024
Introduction à la micronutrition
Micronutrition dans des contextes spécifiques
(grossesse-ménopause-vieillessement)

MODULE 2
10-11 mai 2024
Micronutrition et diverses pathologies: métaboliques,
thyroïdiennes, cardiovasculaires, digestives, rhumatologiques,
infectieuses, neurodégénératives et psychiatriques

PUBLIC CIBLE:
Médecins généralistes
Médecins de famille
Résidents ou spécialistes
nutrition-endocrinologie-médecine interne-
médecine de famille- neurologie-psychiatrie-
gastrologie-rhumatologie

Lien d'inscription

FRAIS D'INSCRIPTION: 240 TND
Coordinateur: Pr Ag Olfa Berriche olfaberriche1@gmail.com



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▪ Master class: Nutrition and cancer

24 Apr master class organised by the faculty of medicine of Tunis according to the downloadable flowchart

Learning

As a result of this Master class, you will be able to:

Objectives:

1. Relate evidence-based dietary approaches associated with reduced risk for cancer.
2. Analyze dietary patterns that show evidence of risk reduction for cancer development.
3. Identify the molecular and biological functions of individual nutrients and herbs in the context of the hallmarks of cancer.



La faculté de médecine de Tunis organise une masterclass sur le thème

NUTRITION ET CANCER

Public cible :
Chirurgie carcinologique
Chirurgie générale
Oncologie médicale
Radiothérapie
Endocrinologie
Nutrition
Médecine de famille

Lieu d'enseignement :
Institut National de Nutrition/
Institut Salah Azaiez

Programme :

- Samedi 12 Octobre 2024 : Module 1 : Aperçu général sur la nutrition en oncologie et retentissement des traitements systémiques des cancers sur la nutrition
- Vendredi 18 Octobre 2024 Module 2 : Effets du traitement locorégional des cancers sur la nutrition
- Samedi 19 Octobre 2024 : Ateliers d'évaluation de l'état nutritionnel
- Samedi 26 Octobre 2024 : Cas particuliers et nouvelles tendances nutritionnelles

Lien d'inscription : <https://forms.gle/EKeARxhwnJ1ZLA99> Frais d'inscription : 200 DT



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▪ Cooperation agreement

Signing of a cooperation agreement between the national institute of nutrition and food technology (Zouhair Kallel) and the university of Tunis el Manar.

On February 16, 2024, the National Institute of Nutrition and Food Technology (Zouhair Kallel) signed a cooperation agreement with the University of Tunis El Manar under the supervision of Mrs. Najwa Ben Amara, the General Director of the National Institute of Nutrition, and Mr. Moez Shafra, the President of the University. Both parties welcomed this initiative, which will open up opportunities for scientific and research collaboration between the research laboratories of the Institute of Nutrition and the University of Tunis El Manar.

The President of the University also honored Mrs. Najwa Ben Amara and Professor Jalila Al-Ati in recognition of their valuable contributions to supporting scientific collaboration with the research structures within the University's institutions.





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- Awareness workshop



Rendez-vous sur le stand de la FSEGT
Le vendredi 10 Novembre 2023, 9h30-12h30

To promote health and raise awareness of well-being among students, the Tunisian Association for Scientific Research, Innovation, and Action for Sustainable Development (ATRIADD) of the Faculty of Economic Sciences and Management of Tunis (FSEGT) and the Research Laboratory, EDDRNA are organizing in collaboration with the Zouhair Kallel National Institute of Nutrition and Food Technology (INNTA), an event on Friday, November 10, 2023, from 9:30 AM to 12:30 PM, at a stand at FSEGT.

- The Food Talk workshop offers an opportunity to:
 - Meet and interact with nutrition advisors from INNTA.
 - Enhance knowledge on:
 - balanced nutrition and creating affordable, balanced menus.
 - risks associated with being overweight.
 - iron-deficiency anemia resulting from nutritional iron deficiency.
- Screening for overweight issues, particularly visceral fat (BMI calculation and waist circumference measurement)
 - Providing information on INNTA resources and contact points for potential support in managing overweight or obesity.
- Distributing materials on Balanced Nutrition.





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