



Kick-Off Meeting

**Tallinn
18-19 February 2019**

**New Curricula in
Precision Agriculture
Using GIS Technologies
and Sensing Data**

**DJILLALI LIABES UNIVERSITY OF
SIDI BEL-ABBES**



Co-funded by the
Erasmus+ Programme
of the European Union

Joint Project: Capacity Building in the Field of
Higher Education ERASMUS+ 2018

**CHIKR ELMEZOUAR Miloud, Associate Prof.
KADOUN Abd-Ed-Daïm, Prof. , Vice-rector**

University Profile: Short History; Facts & Figures

Located in the city of Sidi Bel-Abbes
(North West of Algeria)

Sidi Bel Abbes is suitable to PA :

- › 210.000 ha of plain agricultural land
- › Limited and overexploited water resources,
- › The first area for milk production in Algeria,



University Profile: Short History; Facts & Figures



Creation in 1978

- Ranked **First** university in 2017 and 2016, **Second** university in 2018 in **Algeria** among more than 100 universities and high schools according to the “Ranking web of universities”.
 - Ranked in the **Top 100** according to Shanghai Ranking's Global Ranking of Academic Subjects 2018 (civil engineering and in material science).
 - 2 members of Algerian academy of sciences
 - 3 world-class researchers
- With exceptional research performance, demonstrated by production of multiple highly cited papers that rank in the top 1% by citations for field and year in **Web of Science**.



University Profile: Short History; Facts & Figures



Faculties	9
Departments	33
Research laboratories	48
BA programs	66
MA programs	105
PhD programs	60
Academic staff	1423
Technical and administrative staff	900
Students	30000
PhD Students	3100
Foreign Students	500

Student club (18)

House of entrepreneurship

Quality Assurance Office (QAO)

Business-University Link Office



University Profile: Faculties



Technology

Electrical engineering

Natural and Life Sciences

Medicine, dental medicine & pharmacy

Law and Political Sciences

Humanities and Social Sciences

Economics, Management and business

Exact sciences

Literature, Languages and Arts



Faculty of Natural and Life Sciences



Department 3

Research laboratory 3

BA programs 8

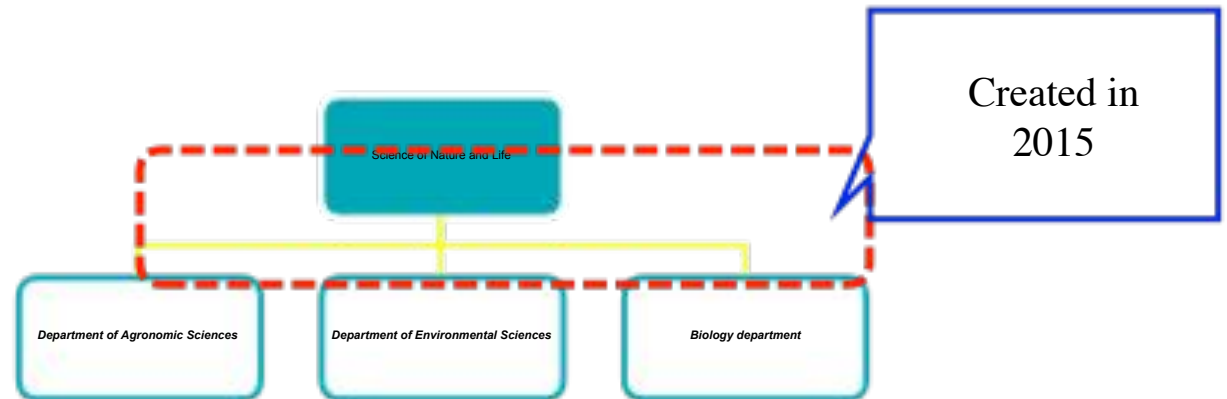
MA programs 15

Academic staff 126

Students 2169

PhD Students 263

PhD programs 18



Electrical engineering Faculty

Department 4

Research laboratory 9

BA programs 5

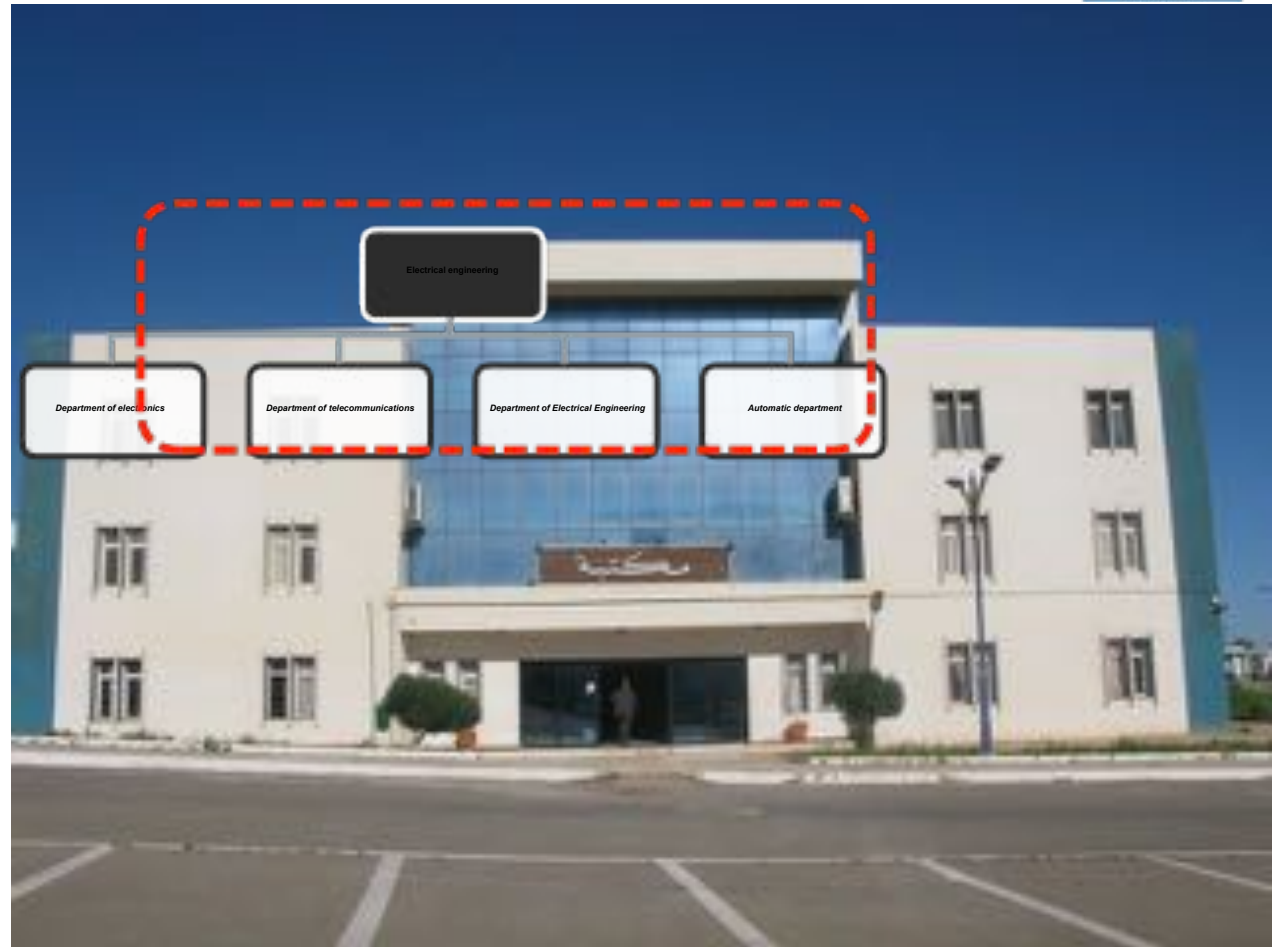
MA programs 10

Academic staff 140

Students 990

PhD Students 250

PhD programs 10



BA/MA Programs Offered by the Science of Nature and Life Faculty



Plant production

Food, nutrition and pathologies

Biology and animal physiology

Biology and plant physiology

Molecular biology

Microbiology

Ecology and Environment

Biotechnology and Health

Biotechnology and plant valorisation

Microbial Biotechnology

Biodiversity and Plant ecology

Ecology of natural environments

Plant Ecology and environment

Water and environment

Plant Production

Plant Protection

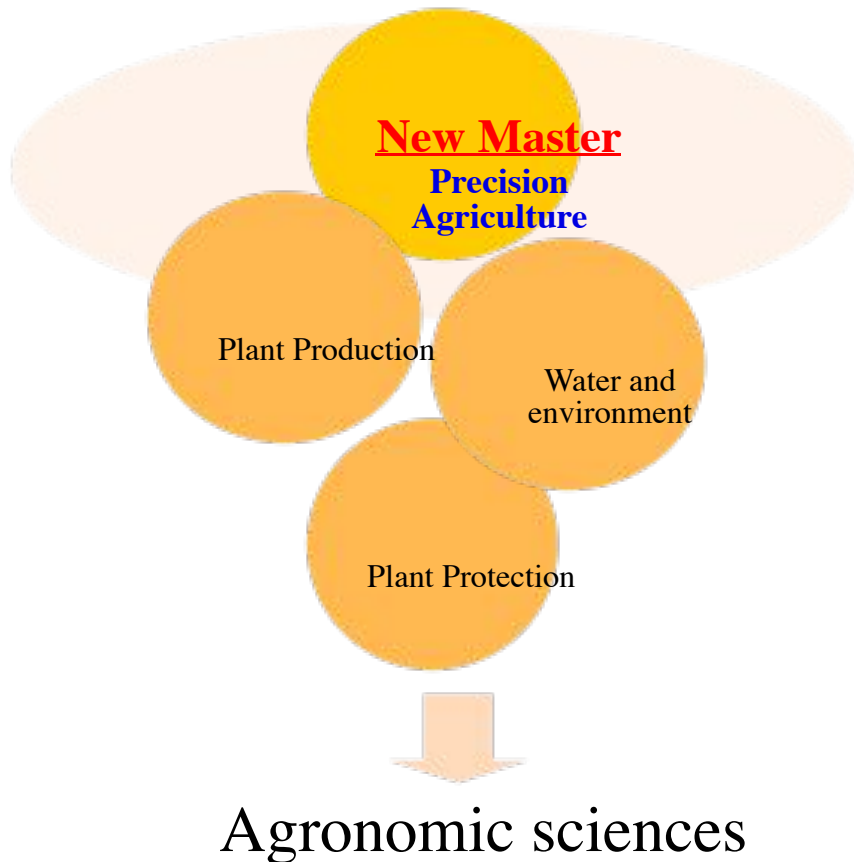
Biochemistry of nutrition

Applied Biochemistry

Curricula/Modules Studied in the BA/MA Programs to Upgrade



New Curricula/Modules for BA/MA Programs



Basics and application of the Precision agriculture

Remote Sensing

Computer vision

Sensors and electronics

GIS and web technologies

Soil



**UDL
upgrad
ed
courses**

Work Group of the Project CUPAGIS

No	Name, Surname,	Responsibility (Work Packages tasks according to the Work Plan)
1	KADOUN Abd-Ed-Daïm	1-2.1-2.2-2.3-4-4.3-4.4-4.5-4.6-5
2	CHIKR ELMEZOUAR Miloud	1-2.2-2.3-2.4-2.5-2.6-4.1-4.2-4.3-4.4- 4.5-4.6-5
3	BENMANSOUR Nadir	1-2.2-2.3-2.4-2.5-2.6-4.1-4.2-4.6
4	FARAOUN Fatiha	1-2.2-2.3-2.4-2.5-2.6-4.1-4.2-4.6
5	DJELLOULI Riad	1-2.2-2.3-2.4-2.5-2.6-4.1-4.2-4.6
6	BELLOULA Kamel	1-2.2-2.3-2.4-2.5-2.6-4.1-4.2-4.6
7	DJELLOUL Zidane	4.3-4.4-4.5
8	SODEA	
9	HOUCINE Samira	3



Work Plan of the University



TASK NAME	START DATE	END DATE	DURATION (WORK DAYS)
1.1 Review of the current curricula for BA/MSc in target area in PC HEIs	15/02/2019	31/07/2019	167
1.2 Agreement on instructional strategy and guidelines for BA/MSc curricula design	15/02/2019	30/06/2019	136
2.1 a) Prepare a set of new core curricula and transferable modules	01/03/2019	31/03/2020	397
2.1 b) adopt on institutional level	01/10/2019	31/05/2020	244
2.1 c) accredit on national level	01/10/2020	31/08/2021	335
2.2 A) Prepare a set of documentation for PAGIS and VCR	01/03/2019	31/10/2019	245
2.2 B) purchase the equipment incl. software; install the equipment	15/03/2019	16/06/2020	460
2.3 a) Casting criteria for participants and retraining program for academic teachers.	01/03/2019	31/05/2019	92
2.3 b) Retrain academic teachers in new curricula	01/09/2019	31/08/2020	366
2.4 To update the current BA/MSc curricula/create updated programs in the PA area	01/04/2019	30/09/2020	549
2.5 a) Master Classes in new curricula	01/09/2020	20/05/2021	262
2.5 b) Pilot operation of PAGIS and VCR	31/05/2020	14/11/2021	533
2.6 Pilot teaching of updated/new curricula/modules/courses	01/09/2020	14/11/2021	440
3.1 The Quality assurance strategy/Q Plan	01/03/2019	14/11/2021	990
4.1 Project DISS& EXP /communication plan	01/03/2019	14/11/2021	990



Thank you for you attention!

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