



University Kasdi Merbah-Ouargla  
جامعة قاصدي مرباح ورقلة  
Faculty of Natural and Life Sciences  
كلية علوم الطبيعة والحياة  
Department of Biological Sciences  
2023-2024



**Speciality : Applied Microbiology**  
*Starting from : February, 5<sup>th</sup> 2024*

**Level : Master 1**

**Semester : 2**

**Classroom :25**

	8:00-9:30	9:40-11:10	11:20-12:40	PAUSE	13:10-14:40	14:50-16:20
<b>SATURDAY</b>	Personal work	Personal work	Personal work		Personal work	Personal work
<b>SUNDAY</b>			Scientific and technical English (LATI)		LW Microbial Ecology (CHATHOUNA) (1/15Days)	LW Microbial Ecology (CHATHOUNA) (1/15Days)
<b>MONDAY</b>	Molecular systematics and Bioinformatics (CHAICHE)	DW Molecular systematics and Bioinformatics (CHAICHE)	Communication (DAOUADJI)			
<b>TUESDAY</b>	Food Microbiology (SOUID)	DW Food Microbiology (SOUID)	Microbial Physiology and Metabolism (SIBOUKEUR)		DW Modern biological analyses (SIBOUKEUR)	
<b>WEDNESDAY</b>			Microbial Ecology (CHATHOUNA)		LW Food Microbiology (SOUID) (1/15Days)	LW Food Microbiology (SOUID) (1/15Days)
<b>THURSDAY</b>	Entrepreneurship and project management (SAHLI)	DW Entrepreneurship and project management (SAHLI)	Modern biological analyses (SIBOUKEUR)		DW Microbial Physiology and Metabolism (SIBOUKEUR)	



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**Speciality : Microbiology**  
*Starting from : February, 5<sup>th</sup> 2024*

**Level : L3**

**Semester : 6**

**Classroom : 17**

	<b>8:00-9:30</b>	<b>9:40-11:10</b>	<b>11:20-12:40</b>	<b>PAUSE</b>	<b>13:10-14:40</b>	<b>14:50-16:20</b>
<b>SATURDAY</b>	Personal work	Personal work	Personal work		Personal work	Personal work
<b>SUNDAY</b>	<b>Food Microbiology</b> (BENAÏSSA)		<b>Environmental Microbiology</b> (DJERBAOUI)			
<b>MONDAY</b>	<b>Food Microbiology</b> (BENAÏSSA)	<b>Industrial Microbiology</b> (BOURICHA)	DW Microbial genetics (BOUDERHEM)		<b>LW Microbiological control techniques</b> (YAGOUBAT)	<b>LW Microbiological control techniques</b> (YAGOUBAT)
<b>TUESDAY</b>	<b>Microbiological control techniques</b> (KHELLAF)	DW <b>Microbiological control techniques</b> (KHELLAF)	<b>Bioinformatics</b> (BELDI)		<b>LW Industrial Microbiology</b> (BOURICHA)	<b>LW Industrial Microbiology</b> (BOURICHA)
<b>WEDNESDAY</b>	<b>Genetic engineering</b> (TELLI)	<b>Microbial genetics</b> (BOUDERHEM)	<b>Environmental Microbiology</b> (DJERBAOUI)		LW <b>Environmental Microbiology</b> (DJERBAOUI)	<b>LW Environmental Microbiology</b> (DJERBAOUI)
<b>THURSDAY</b>	DW <b>Genetic engineering</b> (TELLI)	<b>Industrial Microbiology</b> (BOURICHA)			<b>LW Food Microbiology</b> (BENAÏSSA)	<b>LW Food Microbiology</b> (BENAÏSSA)



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**Level : License Aquaculture and fish farming**

**Semester : 6**

**Classroom : 27**

	8:00-9:30	9:40-11:10	11:20-12:40	PAUSE	13:10-14:40	14:50-16:20
<b>SATURDAY</b>	Personal work	Personal work	Personal work		Personal work	Personal work
<b>SUNDAY</b>	General aquaculture <b>MADACHE S.</b> UF	Aquatic product processing technology <b>MADACHE S.</b> UF	Economy, management and legislation <b>ZENKHERI</b> UT – <b>EAD</b>	----- ----	Pathology of aquatic organisms <b>FERHATI H.</b> UF	Aquaculture engineering <b>FERHATI H.</b> UF
<b>MONDAY</b>	General aquaculture <b>MADACHE S.</b> UF	General aquaculture <b>MADACHE S.</b> UF TP	Fish farming <b>FERHATI H.</b> UF	----- ----- -	Pollution of breeding water <b>HIDOUCI S.</b> UD <b>EAD</b>	-----
<b>TUESDAY</b>	-----	Pollution of breeding water TP <b>BEKARI K.</b> UD TP	Economy, management and legislation <b>ZENKHERI</b> UT – TD <b>EAD</b>	----- ----- -	Fish nutrition and feeding <b>HIDOUCI S.</b> UM	Fish nutrition and feeding TP <b>HIDOUCI S.</b> UM
<b>WEDNESDAY</b>	-----	Pathology of aquatic organisms <b>KACHI M.</b> UF TP	Fish farming <b>OUGUED</b> TP UF	----- ----- -	-----	-----
<b>THURSDAY</b>	-----	-----	-----	----- ----- -	-----	-----



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**Level : Master I Aquaculture Semester 2**

**Classroom : 16**

	8:00-9:30	9:40-11:10	11:20-12:40	PAUSE	13:10-14:40	14:50-16:20
<b>SATURDAY</b>	Personal work	Personal work	Personal work		Personal work	Personal work
<b>SUNDAY</b>	Reproduction of aquacultural fish <b>GUEZI R.</b> UF	Reproduction of aquacultural fish <b>OUGUED</b> TP UF	Live prey production <b>FERHATI H.</b> UF	---	Live prey production <b>(BOUGEURA. Z)</b> TP UF	-----
<b>MONDAY</b>	Shellfish farming <b>KEBABS R.</b> UF	Shrimp farming <b>KEBABS R.</b> UF	Valorization and packaging of aquaculture products <b>HIDOUCI S.</b> TP	---	-----	Methods and fishing gear <b>UD</b> <b>EAD</b>
<b>TUESDAY</b>	Hygiene and quality of aquaculture products <b>BENSALEM S.</b> UM	Hygiene and quality of aquaculture products <b>BENSALEM S.</b> TP UM	Algoculture <b>BENSALEM S.</b> UF	---	-----	Underwater Diving <b>KEBABS R</b> <b>UD</b> <b>EAD</b>
<b>WEDNESDAY</b>	Marine fish farming <b>KELAI I.</b> UF	Valorization and packaging of aquaculture products <b>HIDOUCI S.</b> UM	Valorization and packaging of aquaculture products <b>HIDOUCI S.</b> TD UM	---	-----	freshwater fish production <b>FERHATI H.</b> <b>UD</b> <b>EAD</b>
<b>THURSDAY</b>	-----	-----	-----	---	-----	Legislation <b>BEKKARI K.</b> UT <b>EAD</b>



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**Level : Licence Biochemistry (Semester 6)**

**classroom 19**

	<b>8:00-9:30</b>	<b>9:40-11:10</b>	<b>11:20-12:40</b>	<b>PAUSE</b>	<b>13:10-14:40</b>	<b>14:50-16:20</b>
<b>SATURDAY</b>	Personal work	Personal work	Personal work		Personal work	Personal work
<b>SUNDAY</b>	Structure and function of macromolecules (BOUAL Z.)	Techniques of biochemical analysis (OULD EL HADJ D.M.)	Metabolic regulation (HADJADJ S.)		Molecular biology (BOUDERHEM A.)	Tutorials Molecular biology (BOUDERHEM A.)
<b>MONDAY</b>	Structure and function of macromolecules (BOUAL Z.)	Techniques of biochemical analysis OULD EL HADJ D.M.	Tutorials Metabolic regulation (HADJADJ S.)			
<b>TUESDAY</b>	Genetic engineering (ABBAS A.)		Bio-informatic (BELDI N.)		PW Molecular biology (BOUDERHEM A.)	Molecular biology (BOUDERHEM A.)
<b>WEDNESDAY</b>	Tutorials Genetic engineering (BAYOUCEF Z.)	Tutorials Structure and function of macromolecules (BOUAL Z.)			PW Techniques of biochemical analysis (BOUAL Z./ BOUAZIZ S.)	PW Techniques of biochemical analysis (BOUAL Z./ BOUAZIZ S.)
<b>THURSDAY</b>		Developmental biology (ANNOU G.)	Tutorials Developmental biology (ANNOU G.)			



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**Level : Master I Applied Biochemistry (Semester II)**

**classroom 26**

	<b>8:00-9:30</b>	<b>9:40-11:10</b>	<b>11:20-12:40</b>	<b>PAUSE</b>	<b>13:10-14:40</b>	<b>14:50-16:20</b>
<b>SATURDAY</b>	Personal work	Personal work	Personal work		Personal work	Personal work
<b>SUNDAY</b>	//////////	PW Applied Enzymology/15 d (HAMMOUDI R.)	PW Applied Enzymology/15 d (HAMMOUDI R.)		PW/Tutorials Molecular biology (BELDI N.)	//////////
<b>MONDAY</b>	Applied Enzymology (HAMMOUDI R.)	Microbial genetic (BOUDERHAM R.)	Applied Enzymology (HAMMOUDI R.)			
<b>TUESDAY</b>	Legislation (BOUGHABA O.K.)	Molecular biology (Mme KHELIL A.)	Legislation (BOUGHABA O.K.)		PW Bioinformatic (AZIB S.)/15 d	
<b>WEDNESDAY</b>	TD Biodépollution (CHETHOUNA F.)	Biodépollution (CHETHOUNA F.)	TD Biodépollution (CHETHOUNA F.)		PW Techniques of biological analysis II (BOURICHA M.)	
<b>THURSDAY</b>	Techniques of biological analysis II (BOURICHA M.)	English (LATI L.)	Techniques of biological analysis II (BOURICHA M.)			



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**Specialty: Plant ecology and environment**

**Level: Licence 3**

**Semester: 6**

**Classroom:31**

	8:00-9:30	9:40-11:10	11:20-12:40	PAUSE/B REAK	13:30-15:00	15:00-16:30
<b>SATURDAY</b>	Personal work	Personal work	Personal work		Personal work	Personal work
<b>SUNDAY</b>	//	Agro-ecology <b>HANNANI A.</b>	Agro-ecology (DW) <b>HANNANI A.</b>		Biogeography (DW) <b>TRABELSI H.</b>	Biodiversity and global changes (DW) <b>TRABELSI H.</b>
<b>MONDAY</b>	Biogeography <b>TRABELSI H.</b>	Conservation and sustainable development <b>HANNANI A.</b>	Biodiversity and global changes <b>BOUZID H.</b>		//	//
<b>TUESDAY</b>	Biology and population organisms <b>BOUZID H.</b>	English <b>HANNANI A.</b>	Biogeography <b>TRABELSI H.</b>		//	//
<b>WEDNESDAY</b>	Biology and population organisms <b>BOUZID H.</b>	Biology and population organisms (DW) <b>BOUZID H.</b>	Actions of ecological factors <b>BAZZINE M.</b>		//	//
<b>THURSDAY</b>	Field work and application: study internship					

Manager of the specialty **HANNANI A.**



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**Specialty: Plant ecology and environment**

**Level: Master 1**

**Semester: 2**

**Classroom: 11**

	8:00-9:30	9:40-11:10	11:20-12:40	PAUSE/ BREAK	13:30-15:00	15:00-16:30
<b>SATURDAY</b>	Personal work	Personal work	Personal work		Personal work	Personal work
<b>SUNDAY</b>	//	Biology of conservation and restoration <b>KORICHI R.</b>	Biology of conservation and restoration (PW) <b>KORICHI R.</b>		Bio-informatic <b>AZIB S.</b>	Bio-informatic (DW) <b>AZIB S.</b>
<b>MONDAY</b>	Methods of analysis <b>ALOUI N.</b>	Biology of conservation and restoration (PW) <b>KORICHI R.</b>	Water and soil quality assessment <b>BAZZINE M.</b>		Cartography <b>SLIMANI R.</b>	Cartography <b>SLIMANI R.</b>
<b>TUESDAY</b>	Water and soil quality assessment <b>BAZZINE M.</b>	Systemic analysis and modelling <b>BAZZINE M.</b>	Systemic analysis and modelling (DW) <b>BAZZINE M.</b>		Methods of analysis (PW) <b>ALOUI N.</b>	Methods of analysis (PW) <b>ALOUI N.</b>
<b>WEDNESDAY</b>	Cartography (PW) <b>SLIMANI R.</b>	Water and soil quality assessment (DW) <b>BAZZINE M.</b>	Legislation <b>BOUGHABA O.-K.</b>		//	//
<b>THURSDAY</b>	Personal work					

Manager of the specialty  
**HANNANI A.**





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**Level : License Biology and Plant Physiology (Semester 6)**

**classroom 30**

	<b>8:00-9:30</b>	<b>9:40-11:10</b>	<b>11:20-12:40</b>	<b>PAUSE</b>	<b>13:10-14:40</b>	<b>14:50-16:20</b>
<b>SATURDAY</b>	Personal work	Personal work	Personal work		Personal work	Personal work
<b>SUNDAY</b>	Ontogenesis of higher plants (SALHI)	Plant biotechnology (SALHI)	Molecular biology (BOUZIANE)		//////////	//////////
<b>MONDAY</b>	PW Ontogenesis of higher plants G1/G2 (SALHI)		//////////		PW Reproductive biology G2/ G1 (DJERROUDI)	
					PW Plant biotechnology G1/G2 (SALHI)	
<b>TUESDAY</b>	Reproductive biology (DJERROUDI)	Introduction to research methodology (DJERROUDI)	Bioinformatic (BELDI)		New plant selection and improvement techniques (CHAABENA)	New plant selection and improvement techniques (CHAABENA) TD
<b>WEDNESDAY</b>	//////////	//////////	//////////		Genetic Improvement of Plants (CHAABENA)	Genetic Improvement of Plants (CHAABENA) PW
<b>THURSDAY</b>	<b>End of study internship</b>					



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**Speciality : Food Technology and Quality Control**

**Level : 3<sup>rd</sup> year license**

**Semester : 2**

**Classroom : 32**

	8:00-9:30	9:40-11:10	11:20-12:40	PAUSE	13:30-15:00	15:00-16:30
<b>SATURDAY</b>	Personal work	Personal work	Personal work		Personal work	Personal work
<b>SUNDAY</b>	Food Toxicology (Dr Telli)	PW Food Toxicology (Dr Telli)	Analysis Techniques (Dr Yagoubat)		Analysis Techniques (Dr Yagoubat)	Marketing of food products (Dr Chakou)
<b>MONDAY</b>	PW Analysis Techniques (Dr Yagoubat)	Tutorials Marketing of food products (Dr Chakou)	Tutorials Food preservation (Dr Bouricha)		Entrepreneurship (Dr Sahli)	
<b>TUESDAY</b>	Food preservation (Dr Bouricha)	Tutorials Food industry Technology (Dr Boukhanouf)	PW Food industry Technology (Dr Boukhanouf)		PW Food preservation (Dr Bouricha)	
<b>WEDNESDAY</b>	Biostatistics (Dr Aidoud)	PW Biostatistics (Dr Aidoud)			Food industry Technology (Dr Boukhanouf)	Food industry Technology (Dr Boukhanouf)
<b>THURSDAY</b>						



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**Speciality : Product Quality and Food Security**

**Level : Master 1**

**Semester : 2**

**Classroom : 09**

	8:00-9:30	9:40-11:10	11:20-12:40	PAUSE	13:30-15:00	15:00-16:30
<b>SATURDAY</b>	Personal work	Personal work	Personal work		Personal work	Personal work
<b>SUNDAY</b>	Food microbiology (Pr Ould El Hadj)	PW Food Microbiology (Dr Saifi)	Techniques and methods of analysis (Dr Siboukeur)		PW Techniques and methods of analysis (Dr Siboukeur)	PW Techniques and methods of analysis (Dr Siboukeur)
<b>MONDAY</b>	Standards and quality control management (Dr Mosbah)	Food systems (Dr Keddar)	Techniques and methods of analysis (Dr Siboukeur)		Metrology (Dr Nouasria)	Tutorials Metrology (Dr Nouasria)
<b>TUESDAY</b>	Food materials analysis (Dr Chouana)	Food systems (Dr Keddar)	Tutorials Standards and quality control management (Dr Mosbah)		PW Food systems (Dr Keddar)	
<b>WEDNESDAY</b>	Food microbiology (Pr Ould El Hadj)	Tutorials Food materials analysis (Dr Boukhanouf)	PW Food materials analysis (Dr Boukhanouf)			
<b>THURSDAY</b>						



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## Schedule for Plant Biotechnology and Plant Breeding

Level : LICENCE (L.3) S6

Semester : 2

Classroom : 29

Schedule	08h - 09h30	09h 35 - 11h05	11h 10 - 12h40	13h 30-15h00	15h05-16h35
Sunday	/	Plant ecotoxicology (MATALLAH)	Vegetative propagation and biotech (SALHI)	Vegetative propagation and biotech "G1 /15 days" (SALHI) TP Lab	
Monday	/	Plant ecotoxicology (MATALLAH) TD	Vegetative propagation and biotech (SALHI)	Genetics and plant breeding C+TD (CHAABENA)	
Tuesday	Plant-environment-microorganism interactions (AZIB)	Plant-environment-microorganism interactions (AZIB)TP Lab	/	/	/
Wednesday		TIC (DJERROUDI) C+TP		Plant developmental biology "G2 /15 days" (BENSELAMA) TP Lab	
Thursday	Entrepreneurship (SAHLI)	Plant developmental biology (BENSELAMA)			



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## Schedule for Plant Biotechnology and Plant Breeding

**Level : MASTER (MI) S2**

**Semester : 2**

**Classroom : 10**

Schedule	08h – 09h30	09h 35 – 11h05	11h 10 – 12h40	13h 30 – 15h00	15h05-16h35
<b>Sunday</b>	/	Biochemistry and valorization of plant substances of pharmaceutical interest <b>(SAYAH)</b>	/	Bioinformatics C+TP (AZIB)	
<b>Monday</b>	Instrumentation and maintenance in biology <b>(HADJADJ)</b>	Biochemistry and valorization of plant substances of pharmaceutical interest <b>(SAYAH) TP Lab</b>	Biotechnology of microorganisms <b>(SOUID)</b>	Instrumentation and maintenance in biology <b>(HADJADJ) TD</b>	/
<b>Tuesday</b>	Instrumentation and maintenance in biology <b>(HADJADJ)</b>	Molecular Biology <b>(ABBAS)</b>	Physiologie cellulaire et moléculaire du transport chez les plantes partie II <b>(KHELIL)</b>	Cellular and molecular physiology of transport in plants part II <b>(TELLI) TP Lab</b>	
<b>Wednesday</b>	Molecular Biology <b>(ABBAS) TP Lab</b>	Molecular Biology <b>(BAYOUCEF) TD</b>	Biotechnology of microorganisms <b>(SOUID) TD</b>	/	
<b>Thursday</b>	Plant pathology and plant-microorganism symbiosis <b>(CHAICH)</b>	Plant pathology and plant-microorganism symbiosis <b>(CHAICH) TD</b>	/	/	/