

Kafr El-Sheikh University Faculty of Aquatic and Fisheries Sciences Winter semester of the academic year 2019/2020



Suggested research topics

Winter semester of the academic year 2019/2020

Course name in Arabic:...

Course name in English: Aquatic Botany

Professor Dr.: Yassin Mohamed Al-Sdany.

Level: First

Department: Aquaculture and Fish processing and Biotechnology



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No.	Research title	Research items
1	The Ecology of macro and micro marine plants	 1- Occurrence and distribution of algae 2- Factors Controlling the Distribution of seaweed Species 3- Effect of water movement and quality on algae and plankton populations 4- Interaction between human and marine plant communities
2	Survey the types of algae and aquatic plants in Egyptian marine habitats	 phytoplankton, periphyton Cyanophyta Chlorophyta Rhodophyta Phaeophyta flowering plants
3	Survey the types of algae and aquatic plants in Egyptian freshwater habitats	 phytoplankton, periphyton Cyanophyta Chlorophyta Rhodophyta Phaeophyta flowering plants
4	CULTIVATION OF MARINE PLANTS	 Requirements for growth Cultivation in the sea Cultivation in fresh water Species suitable for cultivation and feeding of fish and crustaceans
5	Give information about seaweeds. Different applications of seaweeds.	1- Traditional uses2- Industrial uses3- Potential uses4- Medicinal Uses5- Human foods
6	General characters of Cyanophyta (blue green algae - Cyanobacteria)	 Life history , Occurrence and distribution, Structural and morphological features Types of cell organization Function, and Adaptation Reproduction classification and ecology. Role in aquaculture



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No.	Research title	Research items
		1. Life history,
		2. Occurrence and distribution,
		3. Structural and morphological features
7	General characters of	4. Types of cell organization
,	Chlorophyta	5. Function, and Adaptation
		6. Reproduction
		7. classification and ecology.
		8. Role in aquaculture
		9. Life history,
		10. Occurrence and distribution,
		11. Structural and morphological features
8	General characters of	12. Types of cell organization
	Rhodophyta	13. Function, and Adaptation
		14. Reproduction
		15. classification and ecology.
		16. Role in aquaculture
		1. Life history,
		2. Occurrence and distribution,
	Comoval above et eve of	3. Structural and morphological features
9	General characters of	4. Types of cell organization
	РНАЕОРНҮСЕАЕ	5. Function, and Adaptation
		6. Reproduction
		7. classification and ecology.
		8. Role in aquaculture
		 phytoplankton, periphyton
	Role of algae and aquatic	3. Cyanophyta
10	plants in aquaculture	4. Chlorophyta
	plants in aquaculture	5. Rhodophyta
		6. Phaeophyta
		7. and flowering plants
		Nutrition in Algae
11	Physiology and biochemistry	2. Metabolic pathways
	of marine and freshwater	3. Reproductive physiology
	algae including	4. Storage and extracellular products
		5. Growth and development

Course Instructor:

Name: Yassin Mohamed Al-Sdany

Signature: Yassin Mohamed Al-Sdany

Head of Botany Department