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: اساسيات الاستزراع المائى
Course name in English: principles of aquaculture
Professor Dr.: Radi Ali Mohamed
Level: one
Department: Aquaculture

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No.	Research title	Research items
1	**Aquaculture fundamentals**	1- Definitions of aquaculture 2- Aquaculture habitat and water sources 3- Types of Aquaculture 4- Development of Aquaculture 5-factor affecting aquaculture
2	**Aquaculture Systems**	1- Classifications of aquaculture systems 2-Race-way culture fish farming 3-RAS 4-Integrated aquaculture 5-cage culture
3	**Types of aquaculture systems**	1- Based on temperature of water 2- Based on water replacement 3- Based on physiographical zone 4- Based on water source 5- Based on material used for pond construction
4	**Site selection and construction of fish farm**	1- Site selection 2- Factors affecting on site selection and pond construction 3- Testing of soil suitability 4- Water sources 5- Pond construction
5	**Pre-stocking management of the fish pond**	1- Preparation of pond 2- Eradication of undesirable fishes and aquatic weeds 3- Liming of pond 4- Water filling 5- Basal manuring and fertilization
6	**Post stocking management of the fish pond**	1-Manuring/ Fertilizing. 2-Supplementary Feeding. 3-Growth and health monitoring. 4-Water quality monitoring. 5-Fish harvesting.
7	**Selection of fish species for aquaculture**	1- Growth rate 2- Adaptation to climate 3- Consumer liking 4- Ability for artificial food 5- Resistance to common fish diseases and parasites
8	**Health Management**	1- Classification of fish diseases 2- Principles of fish health management 3- General preventive measures of fish diseases 4- Common symptoms of diseases 5- Natural resistance of fish to infectious diseases

Course Instructor:

Name: Radi Ali Mohamed

Signature: Radi Ali Mohamed