

**DEPARTMENT OF ZOOLOGY**  
**Sacred Heart College (Autonomous)**  
**Thevara, Cochin**

**SYLLABUS FOR**  
**VALUE ADDED COURSE**  
**ORNAMENTAL FISH**  
**CULTURE**

**COURSE CODE: 15ZOOVAC02**

**Course Co-ordinators**

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**Dr. Moncey Vincent**



## ORNAMENTAL FISH CULTURE

<b>Course Code</b>	15ZOOVAC02
<b>Title of the course</b>	ORNAMENTAL FISH CULTURE
<b>Semester in which the course is to be taught</b>	3 and 4
<b>No. of credits</b>	2
<b>No. of contact hours</b>	36

### OBJECTIVES OF THE COURSE:

- 1) To give students knowledge about various varieties of ornamental fishes and its marketing to make them self-employed after graduation.
- 2) To teach techniques of setting up an aquarium and its maintenance.

### SYLLABUS

**CREDIT 2**


- World trade of ornamental fish and export potential.
- Different varieties of exotic and indigenous fishes.
- Principles of a balanced aquarium. Fabrication, setting up and maintenance of freshwater and marine aquarium.
- Water quality management. Water filtration system – biological, mechanical and chemical.
- Types of filters.
- Aquarium plants and their propagation methods. Lighting and aeration. Aquarium accessories and decoratives. Aquarium fish feeds. Dry, wet and live feeds.
- Breeding and rearing of ornamental fishes. Broodstock management.
- Management practices of ornamental fish farms. Common diseases and their control. Conditioning, packing, transport and quarantine methods. Trade regulations and wild life act in relation to ornamental fishes

Suggested Reading

1. Prost, P. J. (1962). Apiculture. Oxford and IBH, New Delhi.
2. Bisht. D.S., Apiculture, ICAR Publication.
3. Singh S., Beekeeping in India, Indian council of Agricultural Research, New Delhi.
4. Kumar, A. and Nigam, P. M. (1989), Economic and Applied Entomology EMKAY Publishing Co. New Delhi.
5. Mishra, R. C. (1995), Honey Bees & their Management in India. ICAR, New Delhi.
6. Mustafa, S. (1990) Applied and Industrial Zoology. Associated Publishing Company, New Delhi.

  
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