

PROJECT INFORMATION

ICAR Seed Project Fisheries Component

PROJECT OVERVIEW

Funding Agency	Revolving Fund
Total Outlay	0
Duration	2026-2031
Single / Multi-Institutional	Single
Lead Centre if Multi-Institutional	NA
Cooperating Centre(s)	NA
Principal Investigator	Dr Sreekanth GB

RATIONALE

Ornamental fish culture offers significant potential for livelihood diversification, entrepreneurship and income generation among small and marginal farmers. However, limited availability of quality and healthy ornamental fish seed remains a major constraint to sectoral development. Establishment of an ornamental fish seed production unit would facilitate scientific broodstock management, breeding, larval rearing and nursery production of commercially important species. The unit would also function as a demonstration and training facility for farmers, rural youth, self-help groups and entrepreneurs. The initiative would reduce dependence on external seed sources, promote adoption of improved production technologies, strengthen the ornamental fish value chain and generate sustainable livelihood opportunities.

RESEARCH GAPS

Systematic information on species-specific breeding, larval rearing and seed production of ornamental fishes under local agro-climatic and water-quality conditions remains limited. Key knowledge gaps exist in broodstock management, spawning, and larval nutrition, live-feed utilization, stocking density, growth, survival and water-quality optimization. Standardized and location-specific seed production protocols are therefore required to ensure consistent production of quality seed.

OBJECTIVES

To produce and distribute quality seed of commercially important ornamental fish species to farmers, entrepreneurs, and other stakeholders.

ACTIVITIES

- Broodstock management and breeding of commercially important ornamental fish species.
- Larval rearing, nursery management, and production of healthy, quality seed.
- Distribution of quality seed to farmers, entrepreneurs, and other stakeholders, along with basic technical guidance.

EXPERIMENTAL DETAILS

Treatment:	NA
Fertilizer Doses	NA
Variety	Exotic and Indigenous ornamental fish species
Replications:	NA
Observations:	Number of young ones, survival rate and growth
GPS Coordinates:	15.498562420780365, 73.91686303105237

EXPECTED OUTPUT

Production and distribution of healthy, quality seed of commercially important ornamental fish species to farmers, entrepreneurs, and other stakeholders.

EXPECTED OUTCOME

Enhanced availability of quality ornamental fish seed, facilitating wider adoption of ornamental fish culture, livelihood diversification, entrepreneurship, and income generation among farmers and other stakeholders.

FIELD INFORMATION

When the field was developed:	NA
What are crops being cultivated season-wise:	NA
Soil type:	NA
Soil pH, EC, OC:	NA
Soil depth:	NA

Soil NPK and Micronutrient status:	NA
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Common pests and diseases:	NA
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