

Name	:	Dr. S.VARADARAJU	
Residence	:	Q No B-15, 4 th Cross, M.G Road-Lady Hill, Hat hill, Mangaluru- 575006	
Designation	:	PROFESSOR	
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Qualification	:	B.E. (Civil), P.E.S.C.E. Mandya, Mysore University M.Tech (H.W.R.E.) K.R.E.C, Surathkal, Mangalore University Ph.D. N.I.T.K, Surathkal	
Experience			
Professional	:	Assistant Professor (1995-2001) Assistant Professor (S.S) (2001-2006) Assistant Professor (S.G) (2006-2009) Associate Professor (2009 -2012) Professor 2012 onwards	
Administrative/ Corporate	:	Warden, Boys hostel (2000-2002) Estate branch in charge (2008 -2013) Civil works in charge 2015 onwards	
Projects handled			
Ongoing	:	1) “Development of artificial reefs in inshore waters for enhancing fish stock for sustainable fisheries”	
Completed	:	1) To study the efficiency of fabricated conventional and mechanical aerators in shrimp /fish ponds” 2) “Study of fuel catalyst on board the fishing vessel”	
Awards			
University	:		
National	:		

International	:	
Professional bodies		Best lecturer of the year 2008-09 training programme award from Brackish water Fish Farmers Development Agency (BFDA)

Teaching Activities

UG	Course No	Course title	(No/. of times)
	F.Engg 204	Fish Farm Engineering	3
	F.Engg 221	Fish Farm Engineering	7
	F.Engg 211	Fishing Vessel Technology	1
	F.Engg 121	Fishing Craft Technology	1
	F.Engg 221	Fishing Craft Technology	1
	F.Engg 401	Fish Farm and Harbour Engineering	9
	F.Engg 201	Fishing Craft Technology	8
	FEN 201	Aquaculture Engineering	7
	FEN 202	Fishing Craft Technology	2
	RFWEP	Placement Training in Exploitation of Fishery Resources	6
PG	Course No	Course title	(No/. of times)
	FET 506	Aquaculture Engineering	4
	FET 502	Advanced Fishing Craft Technology	4
	FET 507	Engineering Graphics	3

Students guidance

M.F.Sc.	:	1 Advisory committee member for Ten M.F.Sc students.
Ph.D.	:	

Membership in Professional Associations

- Journal of Environment and Ecology
- Forum of Fisheries Technologists, Bangalore
- Frontier journal of Veterinary and animal Sciences
- Mysore journal of agricultural sciences

b) Principal planes d) Vertical planes

ii) Following models were prepared to explain projection drawing in Fishing Craft

Technology course

a) Projection of points

c) Projection of solids

b) Projection of planes

d) Lines plan Drawing

iii) Following models were prepared to explain projection drawing in Engineering Graphics course

i) Section of solids

Extension activities

i) I have participated in the “**Karavali Roto Consumex**” & explained the different activities of the College of Fisheries to the visitors.

ii) Participated as a resource person

1) **Three** Training programme on “Modern Electronic equipment’s used in Navigation, fish finding and communications for Skippers of deep-Sea fishing vessel” conducted by Karnataka Fisheries Department and College of Fisheries, Mangalore and delivered a talk on

i) “Installation of compass on board the vessel, study of sextant and its usage in the navigation and general maintenance of fishing vessel hull.

ii) “Find out the locations of different places using chart and also demonstrated the use of GPS navigator.

iii) “Safety and stability of the fishing vessel”

2) **Eight** Training programmes on “Scientific shrimp culture” were conducted by Brackishwater shrimp Farmers Development Authority, Udupi, at Kundapura and delivered a talk on “Selection of suitable site for shrimp culture, planning, designing, construction and preparation of pond for shrimp culture”. Practical was also organized at the pond site.

3) **Three** Training programme on “Fresh water fish and shrimp culture” were conducted by Krishi Vigyana Kendra, and delivered a talk on “Selection of a suitable site for fresh water fish and shrimp culture, planning, designing, construction and preparation of ponds”

4) “Aquaculture Engineering aspects of fish seed production farms” a training was conducted by Karnataka Fisheries Department at Fishermen training center, BRP, Shivamogga on 30-05-2011 and delivered a talk on “Selection of a suitable site for fresh water fish, Types of ponds, planning, designing, construction and preparation of ponds. Seepage and its control through

sides of the dyke and bottom of the ponds ”

5) **Four** Training programmes on “Inland fisheries” were conducted by Karnataka Fisheries Department and delivered a talk on “Selection of a suitable site for fresh water fish and shrimp culture, planning, designing, construction and preparation of ponds. Erosion of soil from the dyke and its control, seepage and its control through sides of the dyke and bottom of the ponds”

6) A ten days training was Conducted for Fisheries Department officials on “Recent Developments in Engineering Techniques for aqua farms” and delivered talks on six topics.

7) Two Training programmes were conducted by Department of Fisheries Engineering and Technology for fisher folk on “Responsible Fishing” and delivered a talk on “Selection of a suitable site for fresh water fish culture, planning, designing, construction and preparation of ponds.

Editorial Services :

Prepared 5 practical manuals for the benefit of under graduate students

1. “Fish Farm Engineering” Varadaraju, S. and Dr. D.S. Sheshappa
2. “Fish Farm and Harbour Engineering” Varadaraju, S. and Shashidhar H. Badami
3. “Fishing Craft Technology” Varadaraju, S., Hanumanthappa B. and Shashidhar H. Badami
4. “Refrigeration and Equipment Engineering” Shashidhar H. Badami, Hanumanthappa B, Varadaraju, S. and Prabhu.R.M
5. “Aquaculture Engineering” Varadaraju, S. and Shashidhar H. Badami
6. A book was published by Director of extension, KVAFSU on “ Meenu sanikege sooktha sthalada aayke, kolagala samyojane, vinyasa hagu nirmana”
Varadaraju, S., Hanumanthappa B. and Shashidhar H. Badami

Publications :

International Referred Journals



National Referred Journals

- 1) “Effect of Variation in bridle Lengths of Bottom Trawls on the Fish Catch along Mangalore Coast”
Jayanaik.B, Hanumanthappa.B, Prabhu.R.M and **Varadaraju.S**

Environment & Ecology: 22(4) 787-790, 2004

- 2) “Studies on Water Quality Parameters of Few Selected Source, Pond and Discharge Water during Shrimp Culture”

Varadaraju, S¹ Nagaraj, M.K.² Prabhu, R.M³

Mysore Journal of Agricultural Sciences, 43(2): 287-293, 2009

- 3) “Suitability of Coastal Water for Brackish water Shrimp Farming along Dakshina Kannada District, Karnataka State”

Varadaraju.S¹ Nagaraj M.K.² Prabhu.R.M³ and Jayanaik⁴

Environment and Ecology 27(3A):1258-1261, 2009

- 4) “Soil Water holding capacity and its related properties for Brackishwater Shrimp farming along Dakshina Kannada district, Karnataka state, India”

Varadaraju.S.,¹ Nagaraj.M.K.² and Shashidhar. H. Badami³

Indian Journal of Fisheries, 57(2):89-91, 2010

- 5) “Changes in soil and water quality parameters in selected shrimp culture ponds and its influence on shrimp production”

Varadaraju.S.,¹ Nagaraj.M.K.² and Shashidhar. H. Badami³

Indian Journal of Fisheries: 57(3):79-82, 2010

- 6) “Changes in soil and water quality during shrimp culture and its influence on shrimp Production- An overview”

Varadaraju.S¹ Hanumanthappa.B² and Shashidhar.H.Badami³

Environment and Ecology: 28(3): 1592-1597, 2010

- 7) “Assessment of Suitability of Soil and Water Properties for Brackish water Shrimp Farming” – An Overview

Varadaraju.S¹, Hanumanthappa. B². and Shashidhar.H.Badami.³

Environment and Ecology: 29(3A): 1426-1430, 2011

- 8) “Studies on soil and water quality parameters during Shrimp Culture and Influence of Changes in Parameters Values on Growth of Shrimps”

Varadaraju.S, Venkatesh.B, Shashidhar.H.Badami. and Hanumanthappa. B.

Mysore Journal of Agricultural Sciences 45(3):580-586, 2011

- 9) “Brackish water Shrimp Farming and its Effect on Adjacent Soil and Water – an Overview

Varadaraju.S¹, Shetkar.Rajeev.V².and Siddappaji. S³

Journal of Environment and Ecology, 29:2045-2049,2011

- 10) “Impact of shrimp culture on adjacent land soil characteristics along Dakshina Kannada and Udupi districts , Karnataka”

Varadaraju.S, Shashidhar.H.Badami, Hanumanthappa. B. and Venkatesh.B,

Trends in biosciences,7(9): 748-752,2014

- 11) “ Suitability of Coastal soil and water for brackish water shrimp farming along Udupi District, Karnataka state”

Varadaraju.S, Shivanda Murthy.H and Hanumanthappa. B.

Trends in biosciences,7(20): 3278-3283,2014

- 12) “Types of Tuna Fishing Vessels ad Gears Operated along Indian Coast”

Jayanaik.B, Hanumanthappa.B, **Varadaraju.S** and Manjunath.A.R

Aqua International, 41-42, November 2014

Abstracts published

- 1) “Suitability of coastal soil and water for Brackishwater shrimp farming along Udupi District, Karnataka State”

Varadaraju.S.,¹ and Hanumanthappa.B² and Venkatesh.B³

National conference on “Climate change and water resources in India” during 18-19 November 2009 held at National Institute of Hydrology, Roorkey.

- 2) “Size selection of *Laligo duvaucelli* (Cephalopod) in bottom trawling off Mangalore”

B.Hanumanthappa, C.Hridayanathan, Shashidhar.H.Badami and **S.Varadaraju**

National Seminar on “Indian Marine Fisheries Sustainability at cross roads” during 22-23 December 2009 held at College of Fisheries, Mangalore.

- 3) “The performance of the high opening bottom trawl (HOBT) off Mangalore”

Shashidhar.H.Badami, Hanumanthappa.B, **Varadaraju.S** and Prabhu.R.M

National Seminar on “Indian Marine Fisheries Sustainability at cross roads” during 22-23 December 2009 held at College of Fisheries, Mangalore.

- 4) “Effect of soil and water quality parameters on growth of shrimps in Brackish water ponds”

Varadaraju.S¹ Nagaraj M.K.² and Subhash. C.Yaragal³

National Conference on “Sustainable water Resource Management” SWaRM 2010

held at National Institute of Technology Karnataka, Sutathkal

- 5) “Effect of fuel catalyst droplets on fuel consumption and engine temperature of the marine diesel engine of fishing vessel”

Shashidhar.H.Badami, Hanumanthappa. B, **Varadaraju.S** and Prabhu.R.M

National Work shop on “Role of low value fish species in strengthening food security in India” during 25-26 March 2010 held at College of Fisheries, Mangalore.

- 6) “Suitability of Soil and Water for Brackishwater Shrimp Farming – An over view”

Varadaraju.S Hanumanthappa.B and Shashidhar.H.Badami

National Work shop on “Role of low value fish species in strengthening food security in India” during 25-26 March 2010 held at College of Fisheries, Mangalore.

- 7) “Impact of shrimp culture on adjacent land soil characteristics along Dakshina Kannada and Udupi Districts, Karnataka”

Varadaraju.S , Shashidhar.H.Badami , Hanumanthappa.B and Venkatesh.B

International Conference on Climate Change, Forest resource and Management ICCFRE-2011 during 09-12-2011 to 11-12-2011, held at Dept Environmental Sciences, Kerala University, Tiruvanthapuram.

- 8) “Impact of shrimp culture on adjacent source water quality along coastal line of Dakshina Kannada and Udupi Districts”

Varadaraju.S , Hanumanthappa.B and Shashidhar.H.Badami

National Conference on Strategies for bridging the yield gap in Fisheries and Aquaculture

24-03-2014 to 25-03-2014, held at College of Fisheries, Mangalore

- 1) “Estimation of Annual Yield of a Tank – A Case Study.”

Venkatesh.B and **Varadaraju.S**

Proceedings of national seminar on “ground water Management and rural Development” held at Batkal, 9&10 October 2002, pp 92-96

- 2) “Understanding of Runoff Generation Dynamics in a Humid Tropical Head Water Catchments” A Case Study of River Kali, Western Ghat ,India

Venkatesh.B Purandara.B.K and **Varadaraju.S**

Proceedings of International symposium on Sustainable management of water resource.

Nairobi, Kenya, pp 379-390

- 3) “Drought Characterization in a Semi-Arid District of Karnataka State”
Venkatesh.B, Ramesh..M , and **Varadaraju.S**
Proceedings of third national seminar on “Inland Water resources and Environment”
University of Kerala, 2-4 Feb 2004
- 4) “Comparison of Source, Pond and Discharge Water during Shrimp Culture along
Udupi and Dakshina Kannada Districts of Karnataka State”
Varadaraju, S. ¹ Nagaraj, M.K. ² and Venkatesh, B. ³
National Workshop on Conservation and Restoration of Lakes during 16-18 October 2008
held at Nagpur.pp 425-435
- 5) “Effect of soil and water quality parameters on growth of shrimps in Brackish water
ponds”
Varadaraju.S ¹ Nagaraj M.K. ² and Subhash. C.Yaragal ³
Proceedings of National Conference on “Sustainable water Resource
Management” SWaRM 2010 held at National Institute of Technology Sutathkal
page 1-10
- 6) “The performance of the High Opening Bottom Trawl (HOBT) off Mangalore”
Shashidhar.H.Badami Hanumanthappa.B, **Varadaraju.S** and Prabhu.R.M
Proc of marine Fisheries at cross roads, 22-23,Dec 2009 page 15-19
- 7) “Size selection of *Laligo duvaucelli* (Cephalopod) in bottom trawling of Mangalore”
Hanumanthappa.B ,Hridayanathan Shashidhar.H.Badami and **Varadaraju.S**
Proc of marine Fisheries at cross roads, 22-23, Dec 2009 page 1-5
- 8) “Development of Rainfall intensity- duration- frequency relationships for parts of
western ghats in Karnataka State, India”
Venkatesh.B,**Varadaraju.S** and Ramesh.M
Proc of national seminar on “case studies on real time Hydrological modeling for
Ganga-Brahmaputra basins” 23-25 September 2010, National Institute of
Technology, Rourkela, India page No 390-398