



“Socio-Economic Determinants of Gender among Small Scale Fishers practicing Alternate Livelihoods along Coastal Andhra Pradesh, India – An Empirical Study”

Swathi Lekshmi P.S

**Principal Scientist, Socio-Economic Evaluation and Technology Transfer Division,
ICAR-Vizhinjam Research Centre of CMFRI, Vizhinjam, Thiruvananthapuram,
Kerala, India**

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Locale of Research



Muthialammalem



Visakhapatnam

Along the Bay of Bengal

- City

Mangamaripetta



Second longest coast line

974 Kms

N=58

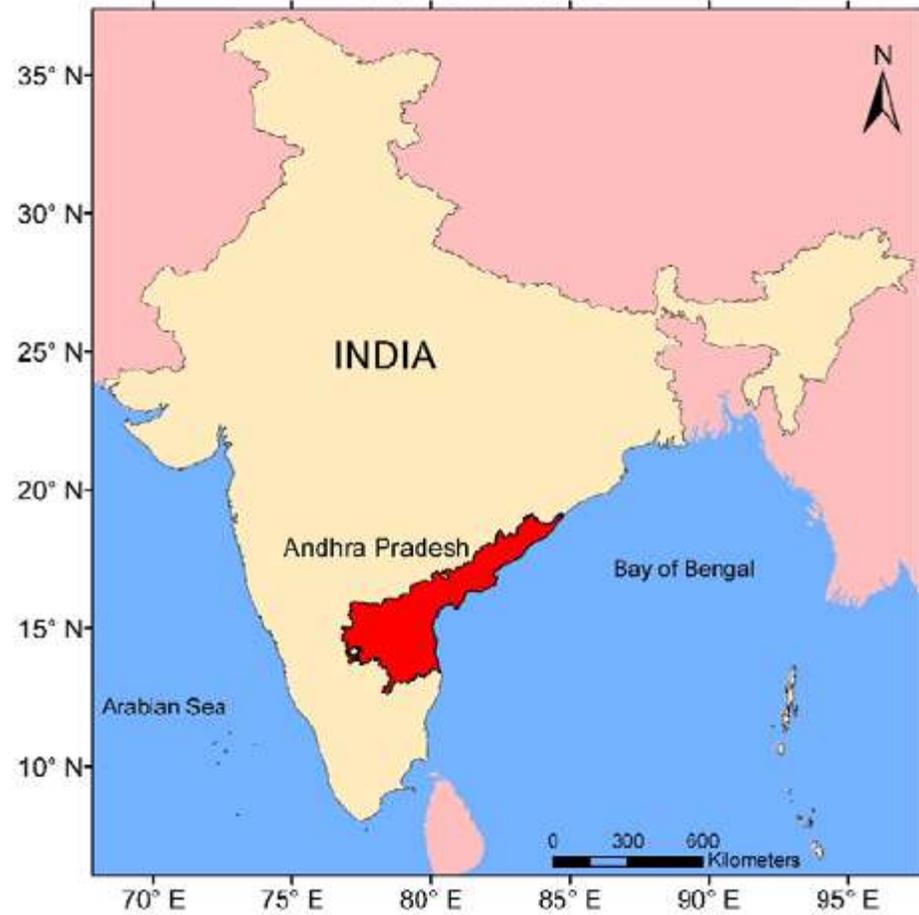
Andhra Pradesh

One of the 29 States of India

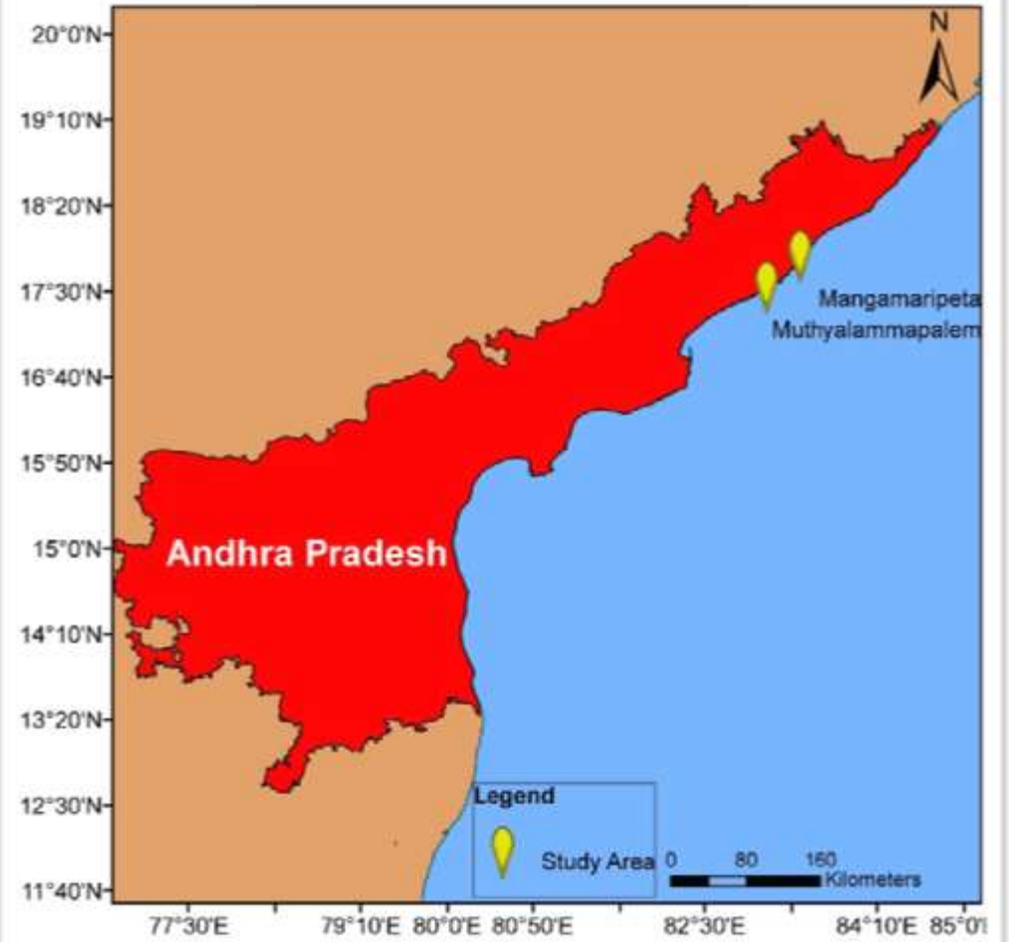
- State



Map of India showing locale of research ie State of Andhra Pradesh



Map of study area



Andhra Pradesh : Visakhapatnam

Muthiyalammapalem: Traditional Motorised Boats

Mangamaripettai: Annual income from Marine Fishing: 32,000

ALOs	Enterprise	Men Nos	Women Nos	Mandays		Income from ALO		% Increase in Annual income	
				Men	Women	Men	Women	Men	Women
Fishery Related	Dry fish making	1300	1600	300	300	1,00,000	75,000	312.5	234.37
Non Fishery Related	Cashew picking	850	450	51.75	51.75	50,000	35,000	156.25	109.37
	Laborer in power plants (NTPC)	1000	500	75	75	56,250	18,750	175.78	58.60



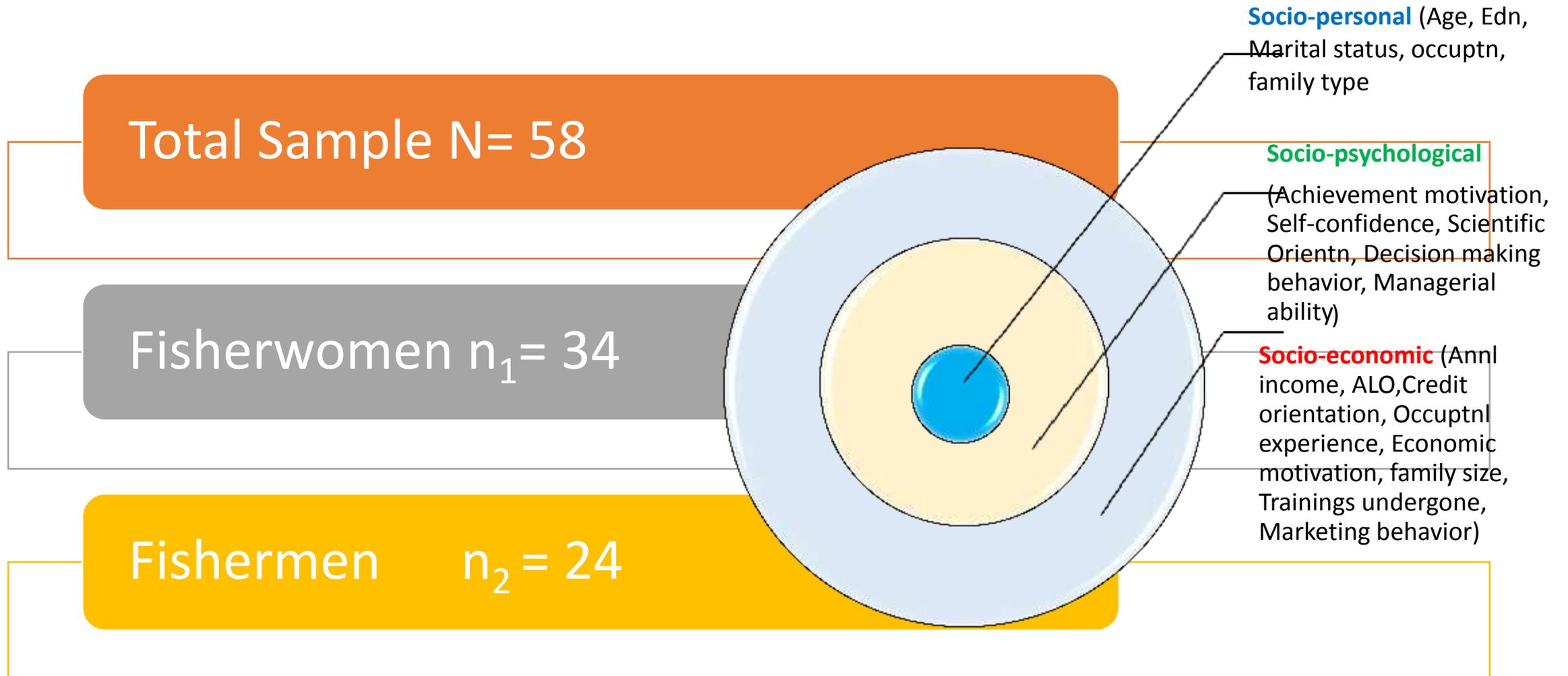
Objectives:



- To document the ALO (*fishery and non-fishery related*) in the marine fisheries sector of Andhra Pradesh State of India
- To examine the extent to which ALOs supplement the primary occupation ie income from capture fisheries
- To study the differences between socio-personal, socio-psychological and socio-economic characteristics of the fisher folk involved in ALO based on gender
- To assess the relative importance of the independent variables in discriminating fishermen and women practicing ALOs.



Variables used for the study



Gender Wise Ranks for Socio-personal, Socio-Psychological and Socio-economic Characteristics of fisher folk practicing ALOs Men = 34, Women =24

Sl. No	Variables	Gender	Mann-Whitney Mean Rank
1.	Age	M	23.97
		F	37.33
2.	Education	M	31.31
		F	26.94
3.	Marital Status	M	28.03
		F	31.58
4.	Occupation	M	29.04
		F	30.15
5.	ALO	M	26.74
		F	33.42
6.	Family type	M	27.59
		F	32.21
7.	Family Size	M	28.44
		F	31.00

Sl.No	Variables	Gender	Mann-Whitney Mean Rank
8.	Annual Income	M	35.32
		F	21.25
9.	Occupational Experience	M	31.16
		F	27.15
10.	Achievement Motivation	M	30.50
		F	28.08
11.	Self Confidence	M	28.88
		F	30.38
12.	Scientific Orientation	M	28.37
		F	31.10
13.	Credit Orientation	M	30.31
		F	28.35
14.	Risk Orientation	M	28.53
		F	30.88

Sl.No	Variables	Gender	Mann-Whitney Mean Rank
15.	Economic Motivation	M	30.25
		F	28.44
16.	Social Participation	M	30.60
		F	27.94
17.	Changes in Gendered pattern	M	31.84
		F	26.19
18.	Information seeking	M	27.49
		F	32.35
19.	Information Sharing	M	27.49
		F	32.35
20.	Trainings Undergone	M	28.43
		F	31.02
21.	Marketing Behaviour	M	29.94
		F	28.88
22.	Managerial Ability	M	29.19
		F	29.94
23.	Decision Making Ability	M	28.59

Mann-Whitney U Statistic for Gender and Socio-Economic determinants

Variables	Age	Education	Marital Status	Occupation	ALO	Family type	Family size
Mann – Whitney U	220.00	346.500	358.00	392.500	314.00	343.00	372.00
Wilcoxon W	815.00	646.500	953.00	987.500	909.00	938.00	967.00
Z	-3.403	-1.189	-1.259	-0.261	-1.723	-1.191	-0.676
Asymp.Sig (2 tailed)	0.001	0.235	0.208	0.794	0.085	0.234	0.499

Variables	Annual income	Occupational experience	Achievement motivation	Self confidence	Scientific Orientation	Credit Orientation	Risk Orientation
Mann – Whitney U	210.00	351.500	374.00	387.00	369.500	380.500	375.00
Wilcoxon W	510.00	651.500	674.00	982.00	964.500	680.500	970.00
Z	-3.14	-0.89	-0.55	-0.335	-0.636	-0.466	-0.541
Asymp.Sig (2 tailed)	0.002	0.372	0.582	0.737	0.525	0.641	0.588

Variables	Economic motivation	Social Participation	Change in Gendered pattern	Information seeking	Information sharing	Trainings undergone	Marketing behaviour	Managerial ability	Decision making behaviour
Mann – Whitney U	382.50	370.50	328.50	339.50	339.50	371.50	393.00	397.50	377.00
Wilcoxon W	682.500	670.500	628.500	934.500	934.500	966.500	693.00	992.500	972.00
Z	-0.409	-0.599	-1.726	-1.085	-1.094	-0.580	-0.239	-0.175	-0.491
Asymp.Sig (2 tailed)	0.683	0.549	0.084	0.278	0.274	0.562	0.811	0.861	0.623

Predictor variables which discriminate Fishermen and Fisherwomen

Variables	Standardised Canonical Discriminant Function Coefficients
Age	1.209
Education	-0.317
Occupation	0.239
Annual income	-0.513
Self Confidence	0.498
Credit Orientation	0.242
Risk Orientation	-0.367
Economic motivation	-0.509
Changes in Gendered pattern of relationships	-0.661
Information sharing behaviour	0.762
Trainings undergone	0.619
Marketing behavior	0.480
Eigen value:1.200;variance explained in %:100%; Wilks lambda: 0.455;X ² :35.088;p<0.05	

Inferences

- Predictor variables which have more discriminating ability between fishermen and women were Age, Information sharing behavior, Trainings undergone, Self-confidence and Marketing behavior
- The probability of respondents belonging to group 2 ie fisherwomen increased with a decrease in gendered pattern of relationships, decreased annual income, decreased economic motivation, decrease in risk orientation and decrease in educational status
- Fisherwomen ranked higher with respect to their male counterparts with respect to self confidence, scientific orientation, Information seeking, Information sharing behavior, Trainings undergone, managerial ability and in decision making.
- Fishermen were found to have a higher income and low information sharing behavior.



Trainings to be imparted to Fisherwomen

Fisherwomen to be trained as Para Extension Workers

Trainings to be imparted to Fisherwomen

Self confidence

Implications for Extension

Information seeking



Scientific orientation

Higher Income
hmm...Why share information??



Information sharing

Trainings undergone



Thank you!!!!

