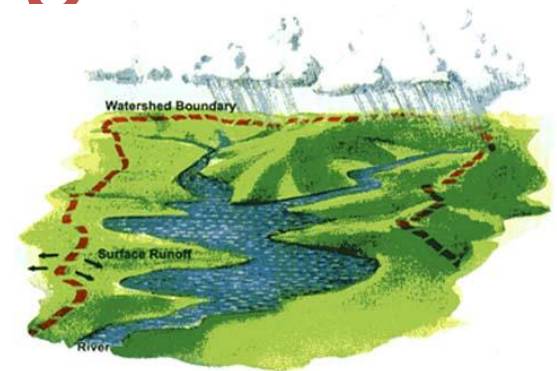


*Communication Pattern Among
Agro-Forestry and Silvi- Pasture
Farmers in Watershed Areas of
Karnataka, India*

Kempaiah Narayanagowda



Objectives of Watershed Development Programme

- Conserving the basic resources like soil, rain water and vegetation
- Imparting stability to crop yields through improved crop management
- Developing alternative land use systems through forestry, silvi – pasture, horticulture and animal husbandry
- Checking environmental degradation
- Restoring ecological balance

Objectives of the Present Study

- ❑ To identify the different sources influencing adoption of agro- forestry and silvi-pasture practices
- ❑ To enlist motivational factors influencing adoption of agro- forestry and silvi-pasture practices
- ❑ To measure the extent of contribution of independent variables in explaining the variation in the knowledge of farmers

Materials and Methods

- ❖ The study was conducted in 18 selected villages in twin watershed project viz Kalyanakere Mavathurakere water shed
- ❖ From each of these villages, 10 farmers practicing agro – forestry and silvi-pasture were selected by adopting random sampling procedure
- ❖ Total sample of for the study: 180 respondents
- ❖ Pre-tested schedule ,interview & observation method and PRA techniques.
- ❖ Frequencies, percentages, and multiple regressions co-efficient

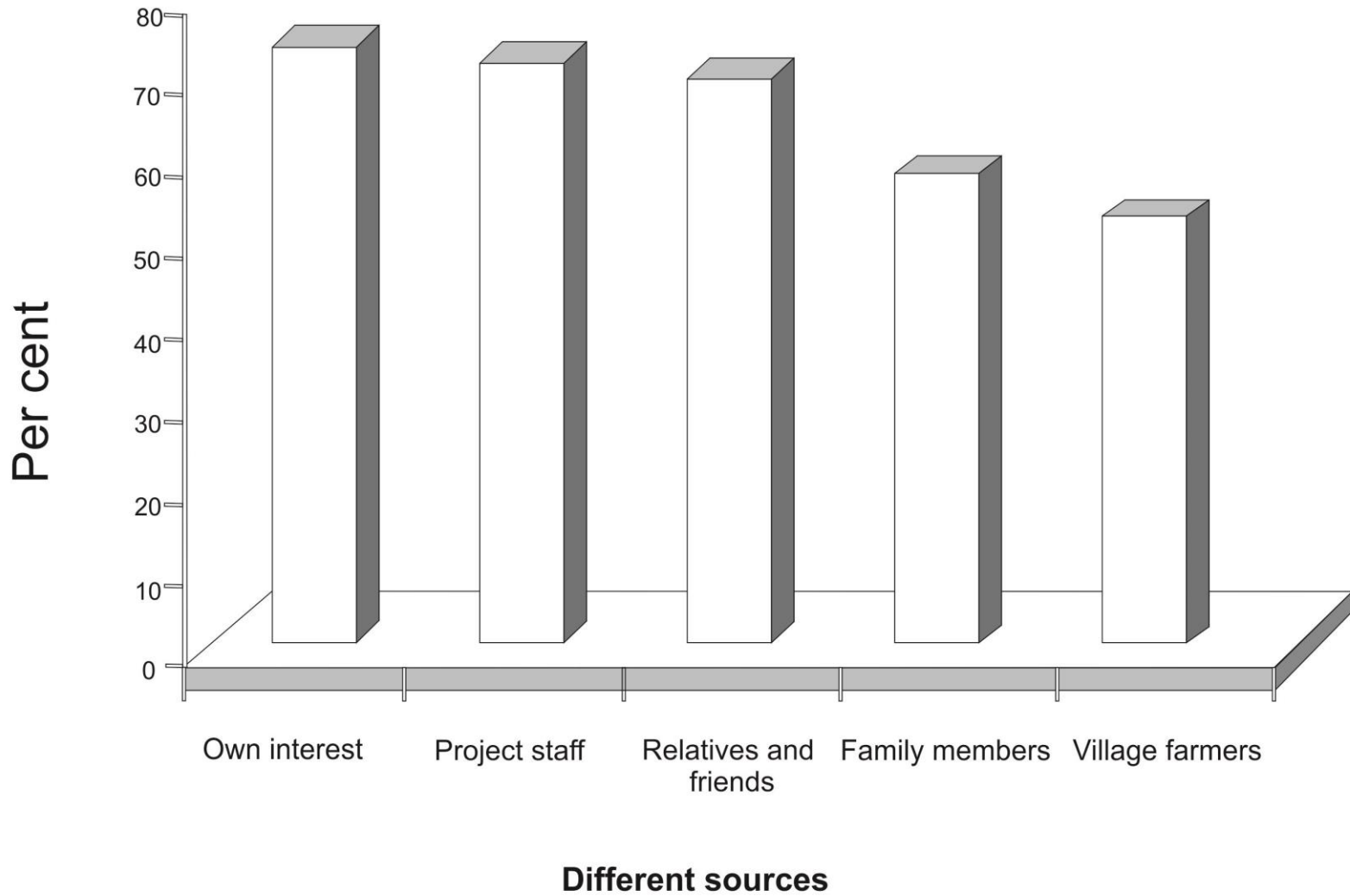


Fig.1: Different sources influencing adoption of agro-forestry and silvi-pasture practices

Table-2: Motivational factors influencing adoption of agro-forestry and silvi-pasture practices

Sl.No	Motivational factors	Percent
1	Leisure time for other activities	91
2	Less risky	91
3	Provide timber	91
4	Less labour	91
5	Free supply of seedlings and inputs	89
6	Concern for environmental degradation	85
7	Tress can be harvested at any time	85
8	Extension publicity	85
9	Assured income	84
10	Technical guidance by the project staff	80
11	Less incidence of pests and diseases	76
12	Easy to maintain (less attention)	75
13	provide firewood	71
14	Supplementary source for fodder	66
15	Low investment	47

Multiple responses are possible

Table-3: Extent of contribution of independent variables in explaining the variation in the Knowledge of farmers

SI.No	Independent variables	Regression Co-efficient	SE of regression Co-efficient	't' Value
1	Education	0.3515	0.2682	1.3105
2	Farm size	0.3296**	0.1004	3.3891
3	Annual income	0.0005	0.0003	0.3891
4	Animals owned	-0.0477	0.0609	-0.7844
5	Material possession	0.0009	0.0436	0.0212
6	Social participation	0.01633**	0.0488	3.3456
7	Mass media participation	0.3511*	0.1861	1.8864
8	Cosmopolitaness	-0.0020	0.0472	-0.0438
9	Extension participation	0.3817**	0.0830	4.5654
10	Achivement motivation	-0.0109	0.0282	-0.3895
11	Risk orientation	0.0859	0.0505	1.7013
12	Environmental awareness	0.1429**	0.0174	8.1679
13	Deferred gratification	0.41933**	0.0587	3.2896
14	Constant	6.4681	1.7190	3.7625

$R^2 = 0.7131$

$F=31.740^{**}$

**=indicates the significance at one percent level

THANK YOU