



Sethi, P. & Hilaluddin. 2001. Structuring financial empowerment for localized development with Joint Forest Management (JFM): examples from Madhya Pradesh, India. *Sustainable Development*, 9: 87–102.

Shankar, U., Hedge, R. & Bawa, K.S. 1998. extraction of non-timber forest products in the forests of Biligiri Rangan Hills, Inida: fuelwood pressure and management options. *Economic Botany*, 52: 320–336.

Skowno, A.I. & Bond, W.J. 2003. Bird community composition in an actively managed savanna reserve, importance of vegetation structure and vegetation composition. *Biodiversity & Conservation*, 12: 2279-2294.

Sokal, R.R. & Rohlf, F.J. 1995. *Biometry: Principals and Practice of Statistics in Biological Research*. New York: W.H. Freeman and Company.

Thiollay, J. 1999. Responses of an avian community to rain forest degradation. *Biodiversity & Conservation*, 8: 513-534.

Table 1. Socio-economic profile of the respondents

Tribe	Age (years)		Education (class)		Family size		% Literacy rate	
	Mean	S.E.	Mean	S.E.	Mean	S.E.	Literate	Illiterate
Angami (N = 33)	48.88	3.43	7.24	0.77	6.3	0.46	84.6	15.4
Apatani (N = 33)	45.27	3.17	5.79	1.0	6.21	0.51	57.6	42.4
Nishi (N = 30)	41.57	2.94	4.87	0.98	7.53	0.85	53.3	46.7
Mizo (N = 38)	51.45	2.34	7.24	0.77	7.37	0.41	94.7	5.3

Data at 95% confidence level

Table 2. Forest-based plant biomass extraction patterns (mean \pm CI) in the Northeast

Mode of Income	Angami (N = 33)		Apatani (N = 33)		Nishi (N = 30)		Mizo (N = 38)	
Plant Resource	Extraction	Consumption	Extraction	Consumption	Extraction	Consumption	Extraction	Consumption
Timber (Meter³/household/annum)	27.61\pm11.99	26.71\pm 11.99	419.09 \pm 242.46	328.09 \pm 131.05	100.91 \pm 58.93	74.91 \pm 44.01	159.16 \pm 209.4	1.27 \pm 0.41
Bamboo (Number of culms/household/annum)	232.06 \pm 195.06	48.96 \pm 24.85	1134.42 \pm 356.2	310.09 \pm 78.34	131.93 \pm 58.31	131.93 \pm 58.31	3102.45 \pm 2642.6	95.34 \pm 36.47
Fuelwood (tonnes/household/annum)	8.3 \pm 2.9	8.0 \pm 2.8	14.6 \pm 3.0	14.6 \pm 3.0	21.9 \pm 7.2	20.5 \pm 6.4	8.3 \pm 2.9	7.2 \pm 1.9
Thach (Number of bundles/household/annum)	0.0 \pm 0.0	0.0 \pm 0.0	0.0 \pm 0.0	0.0 \pm 0.0	107.76 \pm 54.52	107.76 \pm 54.52	2.42 \pm 1.69	2.42 \pm 1.69
Other NTFPs (Qn/household/annum)	1.78 \pm 1.13	1.75 \pm 1.14	1.56 \pm 1.21	1.36 \pm 1.1	5.16 \pm 3.76	4.93 \pm 3.77	0.68 \pm 0.28	0.51 \pm 0.3

India Data at 95% confidence level

Table 3. Pearson's correlation coefficients between socio-economic factors and forest-based plant biomass harvest rates of studied communities

Forest Product	Angami (N = 33)		Apatani (N = 33)		Nishi (N = 30)		Mizo (N = 38)	
	Age	Education	Age	Education	Age	Education	Age	Education
Timber	0.35*	-0.21	0.04	0.08	-0.16	0.27	0.12	0.10
Bamboo	-0.20	0.07	-0.14	0.09	0.05	0.05	0.23	-0.04
Fuelwood	-0.18	0.28	-0.06	-0.02	0.03	-0.11	-0.02	-0.20
Other NTFPs	0.10	-0.32	-0.14	0.14	0.06	0.09	-0.18	-0.07

* Denotes level of significance (P < 0.05)