

X ₁₉	Attitude towards different development programmes	0.0183	0.2231	0.4240	X ₂₀	-0.3511	X ₁₇
X ₂₀	Awareness regarding different development programmes	0.5836	-0.4159	-0.5472	X ₁₇	-0.3457	X ₁₈
X ₂₁	Socio-economic status	0.0781	0.2919	0.2208	X ₂₀	-0.1270	X ₁₇

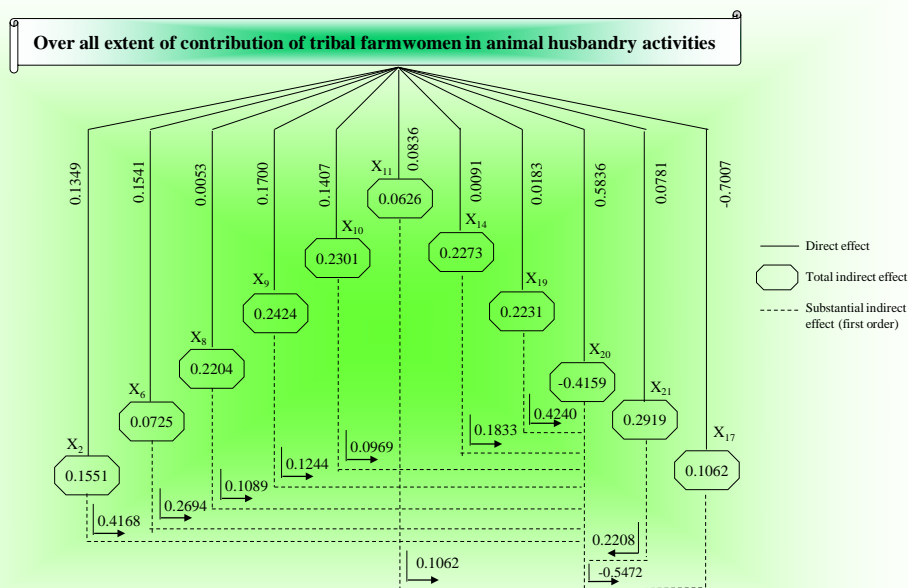


Fig. 1 : Direct, Total indirect and substantial indirect effect (first order) of different selected independent variables on over all extent of contribution of tribal farmwomen in animal husbandry activities

Direct Effect

The Table 1 makes it clear that the highest positive direct effect on overall extent of contribution of tribal farmwomen in animal husbandry activities was exerted by awareness regarding different development programmes (0.5836), followed by material possession (0.1700), social participation (0.1541), size of land holding (0.1407) and education (0.1349). The other variables herd size (0.0836), socio-economic status (0.0781), attitude towards different development programmes (0.0183), annual family income (0.0091), and bullocks possessed (0.0053) in order of sequence had also exerted positive direct effect on overall extent of contribution of tribal farmwomen in animal husbandry activities. From the above discussion, it can be concluded that variable awareness regarding different development programmes, followed by material possession, social participation, size of land holding and education had exerted higher positive direct effect on overall extent of contribution of tribal farmwomen in animal husbandry activities. The other variables herd size, socio-economic status, attitude towards different development programmes, annual family income and bullocks possessed had exerted higher positive direct effect in sequential order.

Total indirect effect

It is revealed from the Table 1 that the highest positive total indirect effect on overall extent of contribution of tribal farmwomen in animal husbandry activities was exerted by socio-economic status (0.2919) followed by material possession (0.2424), size of land holding (0.2301), annual family income (0.2273) and attitude towards different development programmes (0.2231). The other variables bullocks possessed (0.2204), education (0.1551), social participation (0.0725), and herd size (0.0626) in order of sequence had also exerted positive direct effect on overall extent of contribution of tribal farmwomen in animal husbandry activities. Whereas, awareness regarding different development programmes (-0.4159) exerted negative total indirect effect on overall extent of contribution of tribal farmwomen in animal husbandry activities. The above foregoing discussion leads to conclude that among the positively and indirectly affecting variables, socio-economic status exerted the highest positive total indirect effect on overall extent of contribution of tribal farmwomen in animal husbandry activities. The other variables namely, material possession, size of land holding, annual family income and attitude towards different development programmes,