

# Chapter 1

## Prologue

---

---

The impact of green revolution in India has got a dichotomy of achievement as well as failure. The application of HYV seeds associated with agro-chemicals, fertilizers, farm machineries, irrigation water contributed to accentuate the productivity level from 55 MT to 120 MT and this magnum of biological magnification of agriculture has been termed as 'Green Revolution', on the other hand, the fall out of green revolution started eliciting the pernicious effect in the form of increased heavy metal load in the food chain, drifting of manual labours off the field and the creation of chasms between marginal and rich farmers.

The 'brut' chemicalization of agriculture has done lot of menaces to both human and animal health and beyond to include micro flora and fauna. The worst victim of this chemicalization in farm ecology are the farm women, while, they are contributing 70-80 per cent of the productive functions of agriculture. This has got again apocalyptic consequences on occupational performances relegating to their family life and peace as well. This has got again apocalyptic consequences on occupational performances relegating to their family life and peace as well. Referring to Gunnar Myrdal "Asian Drama" – "The decadence of health and motivation of labour forces have direct effect on the economic functions leading to macro-economic behaviour at large and this character is very much predominant in south-east Asian economy, since the human economic forces are here suffering from chronic hunger, malnutrition and despotism of class-discrimination".

The present research clearly focuses its target on the farm women's health *vis-a-vis* occupational hazards to elicit the facts what are factors under which they are relying with broken health and eroded motivation.

The unabated exposure to pernicious chemicals by the farm women are being characterized and governed by set of systems variables and it is necessary to catalogue them as causal and consequence variables to elucidate their interactive relationships both at inter and intra levels .

It is necessary also to identify the pathway of coercive and pernicious molecules in the agro-ecosystem and keeps engulfing the economic, ecological and psycho-somatic health of farm women. So, the present study has been set up with the title:

**“Occupational hazards and operating Agro-Ecosystem: The Health and Ecological Dynamics of Farm Women”**

**1.1 Objective:**

**1.1.1. General Objective:**

To study the issues of occupational hazards of Farm Women and it's relation with operating Agro-Ecosystem.

**1.1.2. Specific Objectives:**

- To generate classified information on occupational hazards of farm women,
- To estimate the level of occupational hazards in terms of a score of socio-economic and ecological factors,
- To estimate the change of ecological dynamics and impact on occupational hazards,
- To estimate the interactive relationships between occupational hazards and the set of socio-economic and ecological variables.