

## RESEARCH PROGRAMMES AND SUB-PROGRAMMES

### **P-1 WATER EROSION APPRAISAL IN DIFFERENT AGRO-ECOLOGICAL REGIONS**

**(Leader - Er. S.S. Shrimali)**

- 1.1 Inventory and database of erosion status using modern tools and procedures
- 1.2 Soil erosion process modeling and climate change studies
- 1.3 Soil carbon dynamics and erosion productivity studies

### **P-2 CONSERVATION MEASURES FOR SUSTAINABLE PRODUCTION SYSTEM**

- 2.1 Resource conservation measures for arable lands

**(Leader - Dr. N.K. Sharma)**

- 2.2 Resource conservation measures for non-arable lands

**(Leader - Dr. Harsh Mehta)**

### **P-3 WATERSHED HYDROLOGY FOR CONSERVATION PLANNING**

**(Leader - Dr. S. Patra)**

- 3.1 Hydrological behaviour of land uses and management practices
- 3.2 Water harvesting, groundwater recharge and management
- 3.3 Decision support systems (DSS)

### **P-4 REHABILITATION OF AREAS AFFECTED BY MASS EROSION**

**(Leader - Dr. Shakir Ali)**

- 4.1 Development and refinement of technologies for rehabilitation of ravines, landslides, mine spoils, riverbed mining, stream banks, torrents etc.

### **P-5 INTEGRATED WATERSHED MANAGEMENT FOR SOCIO-ECONOMIC GROWTH AND POLICY ADVOCACY**

**(Leader - Dr. Pradeep Dogra)**

- 5.1 Participatory watershed management and integrated farming system (IFS)
- 5.2 Common property resource management

### **P-6 HUMAN RESOURCE DEVELOPMENT AND TECHNOLOGY TRANSFER**

**(Leader - Dr. Bankey Bihari)**

- 6.1 Capacity development approaches and information and communication technology (ICT)
- 6.2 Participatory technology dissemination and adoption