

Risks Involved While Carrying Out Research Studies

While carrying out research studies, various risks may occur that can affect the safety of the participants, the environment, or the researcher. These risks are:

Physical Risk

Some experiments can cause injury or harm. For example, handling acids, bases, or hot equipment in the laboratory may lead to burns or cuts. Similarly, field studies in rivers or forests may pose a risk of slipping or falling.

Health Risk

In biological or medical research, participants may be exposed to infections or harmful substances. For example, testing a new medicine without proper safety can cause side effects.

Environmental Risk

Some research activities may harm the environment. For example, chemical waste from laboratory experiments may pollute water or soil if not disposed of properly.

Ethical Risk

Research involving humans or animals may raise ethical concerns. For example, conducting experiments on animals without care may cause unnecessary suffering. Research on humans must be done with their consent to avoid harm.

Social or Psychological Risk

Some studies may affect a person's feelings or social life. For example, asking personal questions in a survey may embarrass the participants or affect their mental well-being.