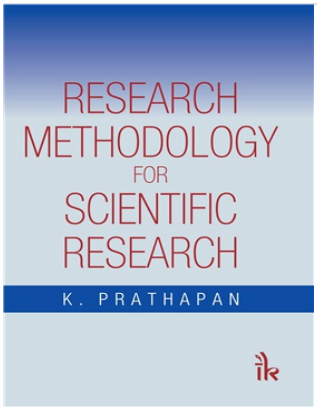
Book Information Sheet



Research Methodology For Scientific Research, 1/e

Prathapan K.

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About the Book

Reasearch Methodology for Scientific Research provides explanation of various philosophies of science and the scientific method. This book meets the requirements of the MPhil and PhD students in science stream preparing for their examination in Research methodology. Every point is discussed in detail and a sequential development of the topic is adopted for maintaining the fluency. Illustrations and examples are provided wherever necessary.

Salient Features

- Overview of the research process and its various aspects.
- Philosophies like induction, deduction, positivism, falsificationism, anti-positivism, post-positivism, relativism, realism etc.
- Planning and designing of research, selection of a research problem, criteria of good research, sources of research ideas etc.
- Validity and reliability of research, artifacts and bias, managerialism and scientific research, leadership in research.
- Various components of scientific method, formation of hypotheses and its testing.
- various data analysis methods, presentation of data and error analysis.
- Detailed information of the various types of literature, journal and various journal indices, art of scientific writing.
- Various ethical issues in scientific research and guidelines for good research practice.

Table of Contents

1- Perspective of Scientific Research
2- Philosophy of Science
3- Getting started with research
4- Scientific Methodology
5- Data Collection and Analysis
6- Research in Practice
7- Scientific writing
8- Ethics in Research.

About the Author

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