

EDITORIAL

In the 21st century, research in both Applied and Fundamental Sciences plays a vital role in helping the scientific community understand the world around us, address complex problems, and enhance the quality of human life. These two branches of science often advance hand in hand, with coordinated research and development efforts driving innovation and progress.

The major objectives of research in **Applied Sciences** include:

- a) Developing new knowledge that can be used to address real-world problems and educate the public on specific issues.
- b) Applying scientific theories to develop new technologies and techniques.
- c) Advancing fields such as medicine, engineering, agriculture, and more.
- d) Using technology to intervene in and study natural phenomena.
- e) Improving patient care by developing new drugs, addressing conditions such as insomnia, or enhancing pre-surgical preparation.
- f) Enhancing efficiency and productivity, for example by designing better workplace systems or selecting individuals for specialized roles.
- g) Improving crop yields, ensuring food safety, and promoting sustainable farming practices.
- h) Encouraging collaboration between researchers and practitioners to identify challenges and develop effective solutions.

In contrast, **Fundamental Research** aims:

- a) To expand scientific understanding and theoretical knowledge.
- b) To be driven by curiosity and the pursuit of insights into complex systems.
- c) To contribute foundational knowledge that supports applied research.
- d) To study the nature of phenomena purely for the sake of understanding.
- e) To explore new frontiers and strengthen the scientific knowledge base.

Together, applied and fundamental research form the backbone of scientific inquiry, enabling both deeper understanding and practical advancements.

With these objectives in view, we are pleased to present *The Journal of Applied and Fundamental Sciences*, dedicated to publishing original research in Pure and Applied Sciences.

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