CONTEMPORARY RESEARCH: TRENDS, CHALLENGES AND FUTURE PERSPECTIVES

FIRST EDITION

About the Book

This edited volume, *Contemporary Research: Trends, Challenges and Future Perspectives*, brings together original and unpublished chapters from diverse disciplines. It presents current trends, emerging challenges and future perspectives across science, technology, social sciences, humanities and allied areas. The book aims to foster interdisciplinary dialogue, encourage innovative thinking and address contemporary issues of academic and societal relevance.

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Editors

Shyamolima Dutta

Pooja Das • Sisir Kumar Rajbongshi • Prasanta Gogoi

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India • 2026

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UNDER REVIEW

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EDITORIAL MESSAGE

Research is a dynamic process through which knowledge is generated, examined, and applied to address emerging challenges in society. In an era characterised by rapid technological transformation, environmental concerns, changing educational practices, and evolving social and economic structures, multidisciplinary research has become increasingly important for understanding complex contemporary issues.

Contemporary Research: Trends, Challenges and Future Perspectives brings together scholarly contributions addressing a diverse range of themes, including ethnic identity and digital culture, financial behaviour and financial technology, microplastics and human health, teacher well-being, digital literacy, artificial intelligence and machine learning, soil health, teacher education, multidisciplinary research, and yoga-based holistic learning.

The chapters reflect the diversity of contemporary academic inquiry and highlight the importance of integrating perspectives from the social sciences, commerce, biological sciences, chemistry, education, technology, and health and physical education. Each contribution approaches its subject from a distinct disciplinary perspective while contributing to a broader understanding of emerging research trends and challenges.

This volume aims to provide a platform for researchers, academicians, educators, research scholars, and students to engage with contemporary issues, exchange ideas, and identify potential directions for future investigation. It also seeks to encourage critical thinking, interdisciplinary dialogue, and the practical application of research findings.

We express our sincere appreciation to all contributors for sharing their scholarly work and for supporting this multidisciplinary initiative. We hope that this volume will prove useful to the academic community and inspire further research, collaboration, and innovation.

— The Editorial Team

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PREFACE

Contemporary research is increasingly shaped by the interaction of technological advancement, social transformation, environmental sustainability, and educational innovation. Addressing these developments requires approaches that extend beyond traditional disciplinary boundaries and encourage dialogue among researchers working in diverse fields.

The present volume, *Contemporary Research: Trends, Challenges and Future Perspectives*, has been conceived as a multidisciplinary scholarly collection bringing together contributions on selected contemporary issues. The chapters examine questions relating to cultural identity in the digital age, investment decision-making in a technology-driven financial environment, the potential applications of computational biology in microplastics research, psychological well-being among teachers, digital literacy in education, artificial intelligence in research methodology, organic amendments for improving soil health, the Integrated Teacher Education Programme (ITEP), contemporary multidisciplinary scholarship, and the role of yoga in holistic education.

The diversity of topics reflects the breadth of current academic inquiry and the importance of examining emerging challenges through multiple perspectives. The contributions offer opportunities to consider how research can respond to changing social needs, technological developments, environmental concerns, and educational priorities.

This book is intended for academicians, researchers, teachers, research scholars, postgraduate students, and readers interested in contemporary developments across disciplines. By bringing these contributions together, the volume seeks to facilitate knowledge exchange, stimulate further investigation, and encourage collaborative research.

We acknowledge the efforts of all authors who have contributed their work to this volume. Their participation has made this collection possible. We also recognise the importance of scholarly review, responsible research practices, appropriate referencing, and continued academic dialogue in the development of quality publications.

We hope that *Contemporary Research: Trends, Challenges and Future Perspectives* will serve as a useful academic resource and encourage readers to explore new questions, critically examine existing approaches, and contribute to future developments in their respective fields.

— **The Editor**

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ABOUT THE BOOK

"Contemporary Research: Trends, Challenges and Future Perspectives" is a multidisciplinary scholarly volume featuring 48 chapters that explore emerging trends, contemporary challenges, and future directions across diverse academic disciplines. It brings together research contributions from the social sciences, humanities, commerce, biological sciences, chemistry, physics, mathematics, education, environmental studies, technology, and health-related fields.

The book addresses a wide range of contemporary themes, including cultural identity, indigenous knowledge systems, social inequality, gender and education, teacher well-being, digital literacy, artificial intelligence, computational biology, nanomaterials, biodiversity conservation, environmental sustainability, financial behaviour, and innovative teaching practices.

Through theoretical discussions and research-based investigations, the contributions highlight the importance of interdisciplinary approaches in understanding complex issues and responding to changing societal, scientific, technological, and educational needs. The volume encourages critical thinking, academic dialogue, knowledge exchange, and collaboration among researchers from different fields.

This book is intended for academicians, researchers, faculty members, research scholars, postgraduate students, educators, and readers interested in contemporary academic developments. It aims to serve as a useful scholarly resource while inspiring further investigation, innovation, and collaboration.

By bringing together diverse perspectives, this volume seeks to promote multidisciplinary scholarship and contribute to the advancement of knowledge, addressing present challenges while exploring possibilities for future research.

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We gratefully acknowledge the commitment and collaborative efforts of the editorial team: **Shyamolima Dutta**, Assistant Professor, Department of English, K.R.D. College of Education, Assam; **Pooja Das**, Operations Manager, Chicago Cultural Alliance, USA; **Sisir Kumar Rajbongshi**, Assistant Professor, PDUAM, Amjonga, Assam; and **Prasanta Gogoi**, Assistant Professor, Department of Chemistry, PDUAM, Amjonga, Assam. Their valuable contributions, coordination, and dedication have supported the successful development of this publication.

We also extend our appreciation to the reviewers, academic colleagues, and supporting institutions for their encouragement and constructive contributions towards maintaining the scholarly quality of this volume.

Our sincere thanks go to **Vidya Scientia Global** for providing the publishing platform and supporting the dissemination of multidisciplinary research.

We hope this volume will serve as a valuable academic resource, encourage intellectual exchange, foster interdisciplinary collaboration, and inspire further research and innovation.

— The Editorial Team

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