**~~Button Name:~~ Call for Editors**

**H1 Call for Editors and Chapter Authors - Publish Your Edited Volume with Us**

Interested in editing an academic or scholarly edited book? We invite scholars, researchers, and professionals to contribute as a Book Editors and Chapter Authors for upcoming edited volume book projects.

**H2 Guidelines for Editors and Authors**

Editors and authors should submit a proposed book title along with their full name, affiliation, and contact details. Once approved, you may write or collect chapters for your book.

**H3 Interested Editors or Chapter Authors can contact us via:**

editor@deepscienceresearch.com

WhatsApp: +91 7977171947 *~~Add whatsapp logo here~~*

**H2 Methodology used to identify top research topics**

To identify trending and top research topics for edited volumes, we have employed integrated bibliometric techniques, PRISMA analysis, and trend analysis. In the first stage, a comprehensive literature search was conducted from Scopus, Web of Science, and PubMed, using subject wise keywords and inclusion criteria. The Preferred Reporting Items for Systematic Reviews and Meta-Analyses (PRISMA) guidelines were followed for transparency and rigor in the selection process. This process comprised identification, screening, eligibility assessment, and final inclusion of relevant publications to minimize bias and ensuring reproducibility.

Then, bibliometric analysis was performed to investigate publication outputs, citation frequencies, authorship patterns, and keyword co-occurrence. In this way, research hot spot is identified. Trend analysis techniques, keyword burst detection and longitudinal frequency mapping, were subsequently used to see how themes evolved over time. Emerging research topics were detected by sudden increases in keyword usage, and well-established research areas were inferred from persisted high-frequency terms.

Related topics were also clustered using VOSviewer to understand thematic structures and interconnections of the field. Statistical analysis supported the detection of growth patterns and forecasted potential areas of future interest. Following are the trending and top research topics identified using this methodology.

**H2 Call for Book Editors and Chapter Authors: Open Titles**

**H3 Agriculture**

Integrating Precision Agriculture, IoT and Machine Learning for Climate-Resilient Crop Management

Smart Farming Robotics and Sensor Networks for Sustainable Resource Use in Arid Agroecosystems

Agroecological Intensification and Biodiversity Conservation for Sustainable Food Systems

Blockchain and Traceability in Agricultural Supply Chains for Food Safety and Consumer Trust

Adaptive Agronomy under Changing Climates: Modeling, Phenotyping and Policy Interventions

Digital Agriculture 4.0: Data-Driven Decision-Support Systems for Crop Yield Prediction

Soil Microbiome, Biostimulants and Sustainable Soil Health in Intensive Farming Systems

Climate Smart Livestock Systems: Mitigation of Greenhouse Gas Emissions and Welfare Standards

Bioenergy and Nutrient Recycling from Agricultural Residues in Circular Food Systems

Artificial Intelligence-Powered Pest and Disease Outbreak Prediction Using Big Data Analytics in Agriculture

Biochar and Nano-Fertilizers for Carbon-Negative and Resource-Efficient Agriculture

**H3 Business, Management, and Accounting**

Artificial Intelligence-Driven Management Accounting Systems: Performance, Risk, and Sustainability

Blockchain, Quantum Computing, and Cybersecurity in Financial Reporting: Challenges for Accounting Regulation

Integrating Environmental, Social, Governance (ESG) Metrics into Cost Management and Managerial Decision-Making

Behavioral Finance, Corporate Governance, and Fraud Detection: Modeling Internal Control Systems in Multinational Corporations

Sustainability Performance Measurement, Circular Economy Practices, and Management Control in the Product Lifecycle

Green Human Resource Management, Environmental Management Accounting, and Organizational Behavior

Machine Learning and Explainable Artificial Intelligence in Managerial Decision Support: Measuring Intangible Assets and Non-financial Reporting

E-Commerce Trust, Customer Retention, and Artificial Intelligence-Based Personalization in Online Retail

Cybersecurity Management, Data Privacy Regulation, and Business Continuity in Cloud-Based Enterprises

Customer Relationship Management, Big Data Analytics, and Predictive Modeling in Financial Services

Enhancing Customer Retention through Digital Personalization: Strategies for Improving Customer Experience, Satisfaction, and Engagement

Enhancing Customer Satisfaction through Service Quality Dimensions: Customer Loyalty, Relationship Marketing, and Experience Management

Enhancing Customer Experience through Artificial Intelligence: The Role of Predictive Analytics, Personalization, and Engagement in Customer Relationship Management

Enhancing Customer Experience in E-Commerce through Personalization and Recommendation Systems: Effects on Customer Satisfaction, Loyalty, and Retention

**H3 Education**

Cognitive Load Theory in Digital Pedagogies: Empirical Models for Adaptive Learning Environments

Artificial Intelligence–Driven Assessment in Higher Education: Predictive Analytics and Ethical Implications

STEM Education Equity and Inclusion: Data-Driven Interventions for Underrepresented Learners

Learning Analytics for Personalized Education: Data Mining Approaches in Massive Open Online Courses (MOOCs)

Artificial Intelligence in Education: Adaptive Learning Analytics and Personalized Pedagogical Models

Big Data and Predictive Learning Analytics: Early Warning Systems for Student Retention and Performance

Ethics and Privacy in Educational Data Mining: Challenges in Algorithmic Decision-Making for Students

Neuroscience and Cognitive Science in Education: Theory, Research, and Practice

Generative Artificial Intelligence in Education: Opportunities, Challenges, and Ethical Implications

Ethics, Bias, and Equity in Generative AI for Education: Governance and Responsible Innovation

Artificial Intelligence-Driven Personalization in Education: Adaptive Learning Pathways and Intelligent Pedagogies

Adaptive Learning Systems using AI and Learning Analytics in Higher Education

**H3 Medical and Pharmacy**

Artificial Intelligence in Precision Oncology: Deep Learning Models for Genomic Biomarker Discovery and Clinical Decision Support

Nanomedicine in Targeted Drug Delivery: Pharmacokinetics, Tumor Microenvironment Modulation, and Clinical Trials

Wearable Biosensors for Remote Patient Monitoring: Big Data Analytics, Internet of Medical Things (IoMT), and Predictive Healthcare Models

Gut Microbiome Modulation in Metabolic Disorders: Metagenomics, Probiotic Therapeutics, and Personalized Nutrition

3D Bioprinting of Human Organoids: Tissue Engineering, Regenerative Medicine, and Translational Applications

Artificial Intelligence–Driven Radiomics: Quantitative Imaging Biomarkers in Oncology, Cardiology, and Neurology

CRISPR-Based Therapeutics: Off-target Risk Quantification, Delivery Vectors, and Scalability in Human Gene Editing

Explainable Artificial Intelligence in Medical Diagnostics: Convolutional Neural Network Interpretability, Adversarial Robustness, and Clinical Validation

Digital Twins in Personalized Medicine: Modeling, Simulation, Validation, and Applications in Chronic Disease Management

Artificial Intelligence–Driven Predictive Models for Early Diagnosis of Neurodegenerative Disorders

Artificial Intelligence in Medical Imaging: Deep Learning Algorithms for Early Diagnosis and Clinical Decision Support

Pharmacogenomics and Epigenetic Regulation: Personalized Drug Response and Clinical Implementation Strategies

Pharmacogenomics-Based Optimization of Therapeutic Dosing: Biomarker Discovery, Validation, and Clinical Implementation

Green and Sustainable Pharmacy: Eco-Friendly Approaches to Pharmaceutical Manufacturing, Waste Management, and Drug Design

Artificial Intelligence-Driven Pharmacokinetic Modeling of Nanoparticle Drug Delivery Systems: Optimization, Safety and Translational Challenges

Biomarker-Enabled Precision Dosing: Pharmacogenomics, Artificial Intelligence Decision Support & Clinical Implementation

**H3 Environmental Science and Climate Change**

Artificial Intelligence-Driven Forecasting of Urban Air Quality: Deployment of Multi-Sensor Networks and Spatio-Temporal Models

Contaminants in Water Systems: Detection, Fate, and Removal via Advanced Oxidation Processes and Nanomaterials

Resilient Urban Drainage Systems for Climate Change Adaptation: Modeling Stormwater Runoff, Green Infrastructure, and Risk Assessment

Circular Economy Strategies in Waste Management: Material Recovery, Mechanical Recycling, and Regulatory Mechanisms

Urban Air Quality Dynamics: Spatio-Temporal Exposure Assessment & Health Risk Modelling

Artificial Intelligence and Machine Learning for Environmental Modeling: Remote Sensing, Climate Forecasting, and Pollution Tracking

Modeling Climate Risk and Adaptation: Analysis of Extreme Weather and Coastal Vulnerability

IoT Sensor Networks for Real-Time Air and Water Pollution Tracking

Environmental Justice and Socio-Ecological Resilience in Climate-Vulnerable Communities

Sustainable Urban Planning under Climate Stress: Energy, Infrastructure, and Resilience Frameworks

**H3 Mathematics and Statistics**

High-Dimensional Sparse Regression Models: Optimization Algorithms and Statistical Inference

Stochastic Differential Equations for Machine Learning: Theory, Numerical Schemes, and Applications

Bayesian Nonparametric Methods for Uncertainty Quantification in High-Dimensional Statistics

Random Matrix Theory in Multivariate Statistical Inference and Signal Processing

Graph Neural Networks and Spectral Graph Theory: Statistical Foundations and Applications

Scalable Bayesian Inference and Approximate Algorithms for Big Data Statistics

Monte Carlo and Variational Methods for Computational Bayesian Statistics

Convex and Non-Convex Optimization Algorithms for High-Dimensional Data Science

**H3 Engineering and Technology**

Deep Reinforcement Learning and Explainable AI for Human-Centered Autonomous Systems

Deep Reinforcement Learning for Autonomous Vehicle Navigation under Uncertainty: Sensor Fusion, Real-Time Constraints, Robustness

Quantum Computing Architectures for Fault-Tolerant Error Correction: Qubits, Topological Codes, and Quantum Noise Mitigation

Smart Materials and Digital Twin Technologies for Resilient Civil Infrastructure

Blockchain, Federated Learning, and Privacy-Preserving Computation in Cloud-Edge Systems

Power Electronics and Smart Grid Integration for Renewable Energy Systems

6G Terahertz Communication and Intelligent Reflecting Surfaces for Ultra-Reliable Low-Latency Networks

Additive Manufacturing and Digital Fabrication for Sustainable Engineering Applications

Big Data Analytics, Cyber-Physical Systems, and IoT for Smart City Governance

Robotics, Mechatronics, and Bio-Inspired Design for Next-Generation Manufacturing

Hybrid Renewable Energy Systems with Artificial Intelligence-Driven Optimization for Grid-Scale Storage

Smart Grid Cybersecurity and Resilience: Threat Models, Artificial Intelligence Protection, and Standards for Sustainable Energy Systems

**H3 Arts and Humanities**

Cyber Humanities: Algorithmic Reflexivity, Digital Sovereignty, and Ethics‐by‐Design in Post-Digital Cultures

Digital Humanities and Artificial Intelligence: Algorithmic Culture, Text Mining, and Ethical Challenges

Cultural Heritage Informatics: Virtual Reality, 3D Digitization, and Community Engagement in Heritage Studies

Pedagogical Futures in Arts and Humanities Education: Gamification, Mobile Learning, and AI-Driven Personalization

Arts, Technology, and Society: Human–Machine Interaction, Creative AI, and the Future of Aesthetics

**H3 Law and Legal Studies**

Artificial Intelligence, Digital Technologies, and Legal Regulation: Liability, Ethics, and Compliance Frameworks

Comparative Constitutional Law and Democratic Resilience: Institutions, Rights, and Judicial Review in Emerging Jurisdictions

Corporate Governance, Financial Regulation, and Legal Accountability in Global Capital Markets

**H3 Science**

Chemical Sciences: Organic, Inorganic and Physical Chemistry

Nanomaterials: Synthesis, Characterization and Functional Applications

Nanotechnology in Biological and Medical Applications

Biodiversity Conservation and Ecosystem Management

Geology and Earth Sciences: Tectonics, Sedimentology and Geochemistry

Physics of Matter, Energy and Advanced Materials

Biological Sciences: Cell Biology, Microbiology and Biotechnology

Nanochemistry and Nanotechnology in Materials Science

Microbiology and Industrial Applications

Chemical Sciences: Analytical, Environmental and Industrial Chemistry

Fisheries and Aquatic Sciences: Aquaculture, Ecology and Genomics

Geographic Information Science and Earth Surface Processes

Life Sciences: Physiology, Genetics and Molecular Biology

Aquaculture Systems and Sustainable Practices

Forensic Biotechnology and Molecular Diagnostics

Chemical Sciences: Catalysis, Reaction Dynamics and Spectroscopy

Corrosion Science in Metallic Alloys and Protective Coatings

Pharmaceutical Sciences: Drug Design, Delivery and Pharmacokinetics

Biotechnology and Biosciences: Genomics, Proteomics and Bioprocessing

Essential Oils and Natural Products in Food and Therapeutics

Limnology and Freshwater Ecology

Water Quality and Aquatic Pollution Control

Biological and Material Applications of Modern Science

Aquatic Toxicology and Ecological Safety

Biological Systems and Molecular Biology

Life Sciences: Genomics, Ecology and Evolutionary Biology

Fisheries and Aquatic Animal Health

Zoology and Entomology: Ecology, Genetics and Systematics

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