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Editorial

Welcome to the Electronic Journal of Medical Research

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The Editorial Board of Electronic Journal of Medical Research (EJMR) is excited to invite submissions for upcoming issues covering a broad range of topics within the field of medical research. As the journal continues to foster a platform for cutting-edge research, we aim to serve as a premier forum for cutting-edge research across all fields of medicine and healthcare, with a special emphasis on innovations in medical laboratory technology, diagnostic methodologies, and translational research. This invitation is open to researchers, clinicians, allied health professional and scholars to join us in fostering innovation, collaboration, and evidence-based knowledge dissemination.

As the backbone of medical discovery, laboratory sciences face gaps in standardizing novel techniques (e.g., single-cell sequencing) and translating bench findings into clinical validation. We invite high-impact research on advanced diagnostic biomarkers, automated lab-on-a-chip systems, and quality control protocols for next-generation laboratories. Cross-disciplinary studies bridging pathology, microbiology, and data science are prioritized.

Medical Technology is revolutionizing diagnostics and treatment, but accessibility and cost barriers limit widespread adoption. Wearable health monitors, robotic surgery, and AI-powered imaging are transforming care. The future hinges on scalable, low-resource innovations that democratize cutting-edge technology across diverse healthcare settings. We seek contributions on low-cost innovations, AI validation studies, and scalable tech solutions for diverse healthcare settings.

Biomedical Sciences drive fundamental understanding of disease mechanisms, yet challenges remain in translating lab findings into clinical applications. Emerging areas like CRISPR-based therapies, organ-on-chip technologies, and single-cell genomics present unprecedented opportunities. The future demands interdisciplinary collaboration to accelerate breakthroughs in regenerative medicine and targeted drug development. We welcome studies that investigate the properties and efficacy of biomedical materials. The journal also welcomes research on molecular pathways, regenerative medicine, and interdisciplinary approaches that accelerate therapeutic development.

The rapid evolution of biotechnology, nanomedicine, and biomedical engineering is redefining therapeutic frontiers—from artificial organs to gene-editing tools. Yet challenges remain in scalability, ethical frameworks, and clinical integration. We particularly welcome submissions on CRISPR-based therapies, 3D bioprinting, smart implants, and AI-driven nanorobots that push the boundaries of precision medicine. Studies addressing regulatory hurdles or patient accessibility for these technologies are encouraged.

Clinical Medicine remains the cornerstone of patient care, bridging scientific discovery and real-world healthcare delivery. Despite advances, gaps persist in personalized treatment protocols, rare disease management, and healthcare disparities. Future innovations lie in AI-driven diagnostics,

telemedicine integration, and value-based care models that prioritize patient outcomes while reducing costs. We are particularly interested in manuscripts highlighting advancements in minimally invasive procedures, the integration of digital technologies in surgical planning, and the latest innovations in healthcare technology. Additionally, the journal seeks contributions that address the management of emergencies and disaster, providing insight into best practices and novel approaches.

Public Health & Epidemiology shape policies that safeguard global populations, yet gaps persist in health equity, pandemic preparedness, and non-communicable disease prevention. Innovations in digital surveillance, climate-health modelling, and community-based interventions are critical to building resilient health systems for future challenges. The journal encourages submissions on digital surveillance tools, policy evaluations, and community-based strategies that address global health disparities and emerging threats.

Translational Medicine struggles with the "bench-to-bedside" bottleneck, while Precision Medicine faces data integration challenges. Advances in multi-omics, liquid biopsies, and pharmacogenomics promise tailored therapies. Future success depends on interoperable health records and AI-driven predictive analytics to deliver truly individualized care. We invite papers on biomarker discovery, clinical genomics, and AI-driven predictive models that bridge research and clinical practice.

Microbiology are fields of critical importance, especially in the context of emerging microorganisms. We are particularly interested in research that links systemic diseases with cancers, offering a comprehensive understanding of these interactions.

Infectious Diseases research has gained urgency with emerging pathogens and antimicrobial resistance. Gaps persist in rapid diagnostics, universal vaccines, and One Health approaches. Innovations in mRNA platforms, phage therapy, and pathogen genomics will define the next era of outbreak prevention and control. We call for studies on novel therapeutics (e.g., phage therapy), One Health approaches, and innovative surveillance systems to combat future outbreaks.

The digital transformation of healthcare demands parallel innovations in training paradigms and ethical governance. We seek contributions on VR/AR-based surgical simulations, competency-based curricula, and ethical frameworks for AI in medicine. Case studies addressing equity in medical training or ethical dilemmas in emerging technologies (e.g., neuroenhancement) are of special interest.

While evidence-based guidelines standardize care, persistent variability in implementation and outdated protocols hinder optimal outcomes. We encourage submissions that leverage real-world data analytics, comparative effectiveness research, or de-implementation strategies for low-value care. Papers demonstrating successful knowledge translation models will be prioritized.

Global health equity requires policies that address disparities exacerbated by climate change, migration, and resource limitations. We call for rigorous analyses of universal healthcare models, pandemic treaty effectiveness, or economic evaluations of digital health rollouts in LMICs. Policy briefs with actionable recommendations are welcome.

Despite advances in EHR interoperability and predictive analytics, siloed data and algorithmic bias limit potential. We welcome studies on federated learning systems, blockchain for health data security, or human-cantered design of digital therapeutics. Validation research for AI/ML tools in diverse clinical settings is urgently needed.

Finally, the journal welcomes innovative studies that combine ideas from engineering, social sciences, and biotechnology to solve real-world health challenges. There is great untapped potential

when experts from different fields work together. We encourage submissions that explore exciting intersections between healthcare and technology, such as:

- Robotic rehab tools developed with physiotherapists to improve recovery
- Smart behavioural strategies using economics and psychology to help patients take medicines correctly
- Advanced nutrition science using biotechnology to manage diabetes and other metabolic disorders

If your research bridges multiple disciplines to improve health outcomes, we want to hear from you!

Our diverse team of Associate Editors brings expertise across various areas of medical research, actively contributing to the journal's editorial process and new initiatives. Together, our dedicated editorial team ensures rigorous, fair, and efficient manuscript processing, maintaining high scientific standards. Authors have the option to publish for free, making their work accessible to everyone without paying an article publication charge (APC). The APC will be covered by the Publisher (RES Publishers). The journal offers various articles, including research articles, reviews, systematic review and meta-analysis, case reports, case series, editorials, letters to the editor, correspondence, perspectives, and hypotheses. For more details, refer to the journal's author guidelines.

We invite you to share your most innovative and significant research with us. Your contributions are vital to the Electronic Journal of Medical Research's continued growth and success. We are excited to collaborate with you as authors, reviewers, and readers, working together to advance the journal and shape the future of research in the field of medicine. Your involvement will be crucial in building a dynamic and influential platform for cutting-edge discoveries in the years ahead.

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