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## Al-Bayan 3rd Scientific Conference: advances in scientific research

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### ABSTRACT

The proceedings of Al-Bayan 3rd Scientific Conference (taking place at Al-Bayan University, in Baghdad, Iraq; April 24, 2025) are hereby hosted by the *Epitheorese Klinikes Farmakologias kai Farmakokinetikes*. This proceeding comprises 19 accepted papers from over 30 submissions; alongside this editorial, the proceedings offer a comprehensive overview of the conference's distinctive medical scientific program, encompassing disciplines that contribute to health and medical services for society. This was clear from the conference topics, which included medicine, pharmaceutical sciences and clinical laboratory sciences. Through its programme, the conference seeks to encourage scientific research towards finding societal well-being in the context of sustainable development. In addition to a series of research articles on experimental and clinical research by conference researchers, the conference proceedings involve keynote addresses by speakers who enriched the conference objectives in matters of interest to community health.

### KEYWORDS

medicine, pharmacology, clinical pharmacy, medicinal plants

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### MAIN MESSAGE

The Third Scientific Conference of Al-Bayan University was held under the patronage of His Excellency the Minister of Higher Education and Scientific Research, Dr Naeem Al-Aboudi, and under the supervision of the President of Al-Bayan University, Professor Haider Talib Al-Amara, at Al-Bayan University in Iraq - Baghdad on April 24, 2025.

Under the oversight and coordination, Preparatory Committee headed by Assistant Professor Abdul-Jabbar Hussein and the Scientific Committee under the direction of Professor Ghaith Ali Jasim and the membership of a distinguished elite of professors, deans of the faculties of pharmacy, nursing, health and medical technologies from Al-Bayan University and the corresponding government universities worked to prepare and organize the conference.

The proceedings of Al-Bayan 3rd Scientific Conference are hereby hosted by the *Epitheorese*

*Klinikes Farmakologias kai Farmakokinetikes.* These proceedings include a total of 19 accepted papers; together with this editorial the proceeding provide a variety of scientific papers in the different fields of medical, pharmaceutical and health services covering the conference topics.

Al-Bayan third scientific conference aims, through its program, to focus on scientific research in achieving good health for society within the framework of sustainable development. The conference hosted presentations by keynote speakers who enriched the conference objectives in areas related to medicine, pharmacology, community health, Professor Yarub K. Al-Douri from University of Malaya/Malaysia presented the first keynote speech “Biomedical Perspective of Nanotechnology” and Assistant Professor Yaman Walid Kassab from College of Pharmacy, National University of Science and Technology, Muscat / Oman, delivered the keynote speech “Towards Safer Care: Rational Medicine Use for Patient Safety”. In addition, various research papers in experimental and clinical studies were presented by researchers at the conference.

This conference embodies a cognitive dimension encompassing medical and technical health sciences. It represents a contemporary approach to addressing a variety of issues impacting society, particularly in the context of ongoing changes and significant transformations. These Proceedings will furnish the scientists of the world with an excellent reference book. I trust also that this will be an impetus to stimulate further study and research in all these areas. The focus is on discussing the latest advancements and breakthrough results achieved in the fields of health and medicine. Among these studies, readers will identify that popular topics include the pharmacological study and pharmacokinetic–cardiovascular physiology modelling [1-4], and phytochemical analysis of medicinal herb extracts, the study of issues related to antibiotic susceptibility, and the improvement of the pharmacokinetic performance and bioavailability of drugs through the adoption of nanotechnology [5-6]. These topics align well with the abundance of current research conducted in Iraq on medicinal plants, the disturbing health risk from recent data regarding the antibiotic susceptibility patterns and antibiotic misuse in Iraq, and the improvement of pharmacokinetics of drugs [6-8].

As editors, we thank all authors and participants for their contributions. It is our hope that the proceedings papers will be of interest to readers and that the messages they contain will be helpful.

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#### CONFLICT OF INTEREST STATEMENT

The authors declare no conflicts of interest.

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