SCIENTIFIC COMMUNICATION IN BIOMEDICINE AND HEALTH: UNIVERSITY TEXTBOOK REVIEW

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The University of Mostar recently published the university textbook "Znanstvena komunikacija u biomedicini i zdravstvu" ("Scientific Communication in Biomedicine and Health") by Professor Josip Šimić and Professor Branko Krišto.

The authors have been noted for many years as excellent and renowned experts in the scientific and professional fields they deal with, and this textbook is the result of the need to professionally and scientifically process and present all the most important concepts of scientific communication with a focus on the field of biomedicine and health in one place and at the University of Mostar.

The reviewers of the textbook were: Professor Miro Leventić from the University of Mostar. Professor Sonja Špiranec and Professor Slobodan Mihaljević from the University of Zagreb.

In the author's preface and introductory part, the authors discuss science and bring into context the entire system of scientific information whose development cannot be separated from the development of scientific activity and modern science in the field of biomedicine and health. The textbook consists of a total of nine chapters – “Science”, “Scientific Communication”, “Scientific Communication Systems”, “Scientific Productivity”, “Information Literacy as a Basis for the Implementation of Scientific Communication”, “Characteristics of Scientific Information in Biomedicine and Healthcare”, “Artificial Intelligence and Scientific Publishing in Medicine”, “The Role of Libraries in Strengthening Scientific Research Infrastructure” and “Education and Lifelong Learning”.

The chapter “Science” provides basic knowledge related to the beginnings of science in biomedicine and healthcare, but also examples of how science has developed more than ever in the last twenty years, as well as the role of researchers and the need for mutual interaction between science and society, which the authors believe is greater than ever. The chapter “Scientific Communication” explains in more detail the types of scientific publications and parts of a scientific book, as well as what a scientific article is, with its structure and examples from medical and healthcare practice. It also discusses the influence of modern ICT (information and communication technologies) on scientific communication and the role of scientific journals in the field of biomedicine and healthcare. The chapter "Scientific Communication Systems" is important because of its detailed presentation of scientific information retrieval systems without which today's scientific communication is unthinkable. In addition, universities and their solutions for storing (primarily scientific) data, review systems for papers and identification systems in scientific communication are also presented, along with software solutions for managing references. The chapter "Scientific Productivity" provides practical examples of the productivity of the University of Mostar in the Web of Science and Scopus databases and also provides an overview of the basic principles of bibliometrics, scientometrics and informetrics with citation analysis of authors, the basis for assessing the quality of scientific work of a scientist or group of scientists.

The chapters "Information literacy as a basis for the implementation of scientific communication", "Characteristics of scientific information in biomedicine and healthcare", "Artificial intelligence and scientific publishing in medicine", "The role of libraries in strengthening scientific and research infrastructure" and "Education and lifelong learning", although shorter in scope, provide practical examples of the areas mentioned above and it is particularly important to mention that the authors bring some new

concepts to scientific and research practice in our field, such as the application of artificial intelligence and scientific publishing in the field of medicine, modern information environments and connect the concepts of information literacy and scientific communication, which are closely related concepts within the academic field, but encompass different aspects and goals.

Engaging in science and the profession in the field of biomedicine and healthcare requires scientists, decision-makers, as well as entrants into the world of science and scientific work and students to have lifelong education and training in the field of medical information, evidence in medicine and scientific communication, and this book will be important for students of biomedical professions, students of information and communication sciences, healthcare professionals and information experts.

In creating this textbook, the authors used recent and recognized literature by foreign and domestic authors: textbooks, internationally relevant journals, their own research and research by other authors related to the topics covered in the textbook. It fully meets the requirements of scientific and educational literature, and it can be safely said that this is a publication that is of high content and quality.

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