



Fund “Nauka” Project № 22007 Resume – Competition-Based Session 2022:

“One Health” – integrative research and scientometric approaches for better quality of life”

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Background: Integrative research approaches require transdisciplinary approaches, synthesis (combination of diverse concepts and perspectives), and collaboration (an opportunity for researchers to work together). The “One Health” concept applies these holistic approaches and enables unification for better quality of life.

One Health is a global movement “born” in Europe that recognizes the fundamental relationship between the environment and the health of humans, animals and plants, bringing everything together for the benefit of human well-being.

The project proposal reflects these trends by bringing together scholars whose institutional and research connectivity finds a natural extension here.

The aim of the current interdisciplinary project is threefold:

1. To present and explore the innovative concept of “One Health” in the context of public health challenges related to antimicrobial resistance (AMR) and infection prevention;
2. To explore the ideas of “One health” and “quality of life” in the context of integrative health;
3. To improve the integrated publication environment in the conditions of Open access by including in prestigious databases and using modern scientometric tools and technologies.

Material and Methods: Builds on the team’s work to date, as well as the existing institutional environment. A mixed-method design was created in which quantitative, qualitative and scientometric methods will be applied.

Expected results: For the first time, the idea of “One Health” is being studied and presented in a public health aspect, therefore publications-reviews are a mandatory condition. Knowledge, attitudes and practices study (KAP study) among health professionals regarding AMR and infection prevention will be investigated, with a dissertation defense on the subject expected. An accumulation of research findings in

the field of integrative health and quality of life in patients with chronic diseases is sought.

Sustained improvements are expected to be made to authors' publication visibility in prestigious databases, which would lead to higher citations.

The project brings together researchers that have been working together for years in an academic environment. It is expected that the created multidisciplinary team will integrate its efforts in the direction of qualitative scientific research, towards higher scientometric results, for a better quality of life and for the scientific workers themselves.

A mixed-methods research design was employed, combining quantitative, qualitative, and scientometric methodologies. Among the key outcomes was the first systematic public health-oriented exploration and presentation of the One Health concept in Bulgaria, primarily through review publications. A national Knowledge-Attitudes-Practices (KAP) study among healthcare professionals was conducted to assess perspectives on antimicrobial resistance and infection prevention, forming the basis for an ongoing doctoral dissertation. In the field of integrative healthcare and quality of life in patients with chronic conditions, the project resulted in peer-reviewed publications, the successful defense of a master's thesis, and the initiation of a doctoral programme.

Additionally, the project achieved sustainable improvements in the publication visibility and scientometric performance of participating researchers by facilitating inclusion in prestigious international databases, thereby enhancing citation potential and long-term academic impact.