

**МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ  
СУМСЬКИЙ ДЕРЖАВНИЙ УНІВЕРСИТЕТ  
ФАКУЛЬТЕТ ІНОЗЕМНОЇ ФІЛОЛОГІЇ  
ТА СОЦІАЛЬНИХ КОМУНІКАЦІЙ**



# **СОЦІАЛЬНО-ГУМАНІТАРНІ АСПЕКТИ РОЗВИТКУ СУЧАСНОГО СУСПІЛЬСТВА**

**МАТЕРІАЛИ V ВСЕУКРАЇНСЬКОЇ НАУКОВОЇ КОНФЕРЕНЦІЇ СТУДЕНТІВ,  
АСПРАНТІВ, ВИКЛАДАЧІВ ТА СПІВРОБІТНИКІВ**

**(Суми, 20-21 квітня 2017 року)**

**Суми  
2017**

object explains the change from conducting to insulating behavior of the chain. [4, 5]

The theoretical discoveries are mostly for science. Even so, it is important to understand that the ideas developed by the Nobel laureates have sparked revolutions in many other fields. Scientists hope that these discoveries can be applied to the development of new materials used for electronics. In particular, such topological phenomenon is a big step towards understanding of superconductivity as fundamental work in quantum's matter theory and might eventually result in awesome computers. There has also appeared some sort of transistors that starts to use these concepts.

1. <https://www.aps.org/publications/apsnews/updates/nobel16.cfm>

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3. D. J. Thouless, Mahito Kohmoto, M. P. Nightingale, and M. Den Nijs, Quantized Hall Conductance in a Two-Dimensional Periodic Potential, Phys. Rev. Lett. (49) 405 (1982).

4. David R. Nelson and J. M. Kosterlitz, Universal jump in the superfluid density of two-dimensional superfluids, Phys. Rev. Lett. (39) 1201 (1977).

5. F. D. M. Haldane, Model for a Quantum Hall Effect without Landau Levels: Condensed-Matter Realization of the "Parity Anomaly", Phys. Rev. Lett. (61) 2015 (1988).

## **NICHE BOOK BIO-MEDICAL CONTENT, THEMATIC PRIORITIES AND SOCIAL AND COMMUNICATION PRACTICES**

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In our study there will be analyzed books from specialties that establish the general laws inherent in life in all its manifestations. And that is a bio-medical direction. Just they will act as an **object of study**. **The subject of study** will become texts and illustrations in all forms of media from books on biology, genetics and ecology, humane and veterinary

medicine. For the intended purpose here dominate scientific, popular, research and production, reference books.

**The urgency of the work**, first in domestic science research is planned to complete specialized book editions of bio-medical content. Formation and establishment of information and communication sphere of society and its publishing segment actively influences the development of information and communication culture of Ukrainian society-specific scientific culture, mentality and ideological foundations of Ukrainian society.

**Objective:** to find out the theoretical and practical problems of thematic priorities and social and communicative practices of specialized book editions in the context of the prospects for the developing adequate national information space and impact on the processes of the publishing industry.

**Tasks:**

- to analyze the state of investigating the definite problem in Ukrainian and foreign historiography, to determine the objectivity and completeness of its scientific and theoretical understanding;
- to trace the main thematic priorities of specialized book editions of bio-medical content;
- to outline text-level semantic representation of highly specialized information;
- to learn the principles and attributes of shapes illustration;
- to clarify the role and place of specialized book editions in the formation of national information space, to complete and submit the relevant synthesis and recommendations.

## **MORPHOLOGICAL CHANGES IN PANCREAS AFTER INDUCE DIABETES IN YOUNG RATS**

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**Background.** Diabetes mellitus is chronic endocrine metabolic disease which is caused by the action of endogenous factors, with relative or absolute insufficiency of insulin, leading to disorders of metabolism. Diabetes mellitus induce by using alloxan which related to hyperglycemias'