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Abstract

In order for the communication between a specialist and a non-specialist to have a positive result, there is a need not only to inform both sides about linguistics, but also to promote the language within various professions and fields. As this process is effective with the mutual understanding, comprehending of the two sides and the successful organization of the communication. In this article it is written about the demand of the time about developing linguistics which is considered a necessary "requirement" of today. The ideas that we would like to clarify in the article are considered as examples of a number of areas such as computer linguistics, sociolinguistics, psycholinguistics, numerology, medical linguistics, which arose at the intersection of two disciplines.

Keywords: human, consumer, interdisciplinary integration, linguistics of a sector, computer linguistics, sociolinguistics, psycholinguistics, medical linguistics, numerology, number and numerals, professional speech culture, electronic dictionaries.

Introduction

Linguistics (linguistics: Greek "lingue" - language, "logos" – teaching, education) is a complex and multifaceted science which studies language scientifically and practically in connection with other social sciences, the main issues of linguistics, the general rules of the emergence and development of language, the characteristics of language and speech ¹.

We know that language performs the function of communication between people, that is, language serves for people. It satisfies the most necessary needs for living. Therefore, the goals of its study and research should be inextricably linked with a person's thinking, his psyche, spiritual and educational formation, culture, values, and personal perfection. As a proof of our opinion, let's quote some excerpts from the article "Let linguistics bear fruit" in which the opinions of doctor of philological sciences Professor Bakhtiyor Mengliyev about the target areas of linguistics are recorded: "Current researchers of Uzbek linguistics, in many cases, work on the basis of the principles of "the language itself", "linguistics for scientific degrees", devoid of practical significance, socio-economic, spiritual and educational effect. This is also evident from the fact that most of the research is carried out on the basis of outdated models and requirements left over from the past"². According to the scientist, "In the new century, only linguistics with practical

¹ Kholmonova Z. Introduction to Linguistics - Tashkent: University, 2007-B.7

² Mengliyev B. Let linguistics bear fruit\\ Materials of the international scientific and practical conference on the topic of field linguistics: problems, solutions and perspectives of the integration of linguistics and medicine. Bukhara, November 10, 2021. -B.15



applications, RESULTS WHICH CONSUMERS DEMAND and offer them socio-economic benefits, has the right to exist on its own." The term "**consumer**" which is mentioned by the scientist is we and you. As nutrition, breathing, reproduction, and work are considered natural needs for an individual, establishing mutual communication is an equally necessary need as well. The man has manifested this need on the basis of various means from long ago. Linguistics that serve to meet the effective needs of linguistics is called practical linguistics. This field of linguistics is linguopersonology, that is, the field that studies the relationship of language with a person, society, culture, and customs.

It can be said that the 19th and 20th centuries opened a new era in the history of the development of linguistics. Along with structural currents, different theories and trends based on them appeared during this period. Such as experimental phonetics, linguistic geography, neurolinguistics and so on. In the following years, new fields that appeared at the "intersection" of the two sciences began to develop. These include for example, psycholinguistics, ethnolinguistics, paralinguistics, sociolinguistics, neurolinguistics, semiotic linguistics, transformational linguistics, text linguistics, computer linguistics, and mathematical linguistics. These fields study language features related to the speaker's activities in society. It can be said that the emergence of such special directions in the science of linguistics has created a lot of convenience not only for the related field, but also for linguistics itself. Linguistics should become an assistant to other fields in the new era. Vocabulary in each field should be developed on a linguistic basis³.

Every research, every achievement that intended to achieve big goals in science sphere should be for **HUMANS**, only then this work becomes the news that " the results of which are requested by consumers ". For this reason, it can be said that the study of linguistics in several disciplines has become a basis for the development of the field. For example, "the development of Russian computer linguistics in the country of Russia became the basis for the entry of the Russian language into the ranks of world languages, its popularization, and the optimization of its learning and teaching process. Many frequency dictionaries were created using computers, which in turn became the basis for machine translation"⁴ . Surely, linguists also play an important role in this process along with computer programmers. In September 2001, the computer linguistics laboratory was established at the Faculty of Computer Technologies of the National University of Uzbekistan with the aim of "developing computer programs that solve linguistic problems, natural language processing, and optimization of communication between humans and computers. H. Arzikulov⁵, S. Rizayev⁶, S. Muhamedova⁷ can be mentioned as scientists who conducted research in the field. They mainly conducted research in such areas as statistical analysis, algorithms, axiomatic theory of the Uzbek language, computer analysis and synthesis of verbs⁸.

The main part of the words emerging in today's linguistics belongs to special terminological systems. This is to be expected at a time when science and technology are developing rapidly.

³ <https://n.ziyouz.com/about-portal/map/conversations/bakhtiyor-mengliyev-language-national-symbol-nation-pride>

⁴ Vahidov H. Stages of development of computer linguistics in the world. Article - Tashkent, 2022.

⁵ Arzikulov R. Basics of a healthy lifestyle (Valeology) - T.: National encyclopedia of Uzbekistan, 2009

⁶ Rizayev S. Cybernetics and Linguistics. - T.: Uzbekistan, 1976

⁷ Muhammedova S., Saparniyozova M. Text Linguistics. - Tashkent, 2011

⁸ Rahimov A. Fundamentals of computer linguistics.-Tashkent, 2011



According to the President's PD-6084 dated on October 20, 2020 "Concept of Uzbek language development and improvement of language policy in 2020-2030", instructions were given for practical work that will pave the way for the development of linguistics such fields as creating a dictionary of terms by disciplines, regularly introducing new scientifically based words and terms into official circulation instructions were given for practical work that will pave the way for the development of linguistics. Achieving the full and correct use of the capabilities of the state language in all spheres of the country's life has been set as a priority, including public administration, modern and innovative technologies, industry, banking and financial system, jurisprudence, diplomacy, military work, medicine, psychology and other spheres⁹. Currently, not only linguists, but also real experts of the field deal with the linguistic problems of the formation of terminological systems and the creation of field-specific terminological dictionaries within each field. Therefore, it is no exaggeration to say that the development of field linguistics has become a necessary "requirement" in order to avoid problematic situations between specialists and non-specialists, and to make the communication process convenient and effective for both sides.

The approach to the comprehensive study and research of languages is changing recently. "According to the research plans of the Department of Uzbek Linguistics of Bukhara State University, the goal of development of field linguistics was set as part of the research direction on the topic "Problems of the study of language, personality and society relations in Uzbek linguistics"¹⁰. The topic of scientific research shows that the fields that study language in relation to the individual and society: psycholinguistics and sociolinguistics are becoming the most effective and promising fields of linguistics today. This is the novelty of the approach to the study of language in today's linguistics. Linguistics which studies human language has worked **without human** until nowadays. However, language cannot be imagined without a person. If we say that language is a "mirror" that shows individual characteristics such as a person's nationality, national-cultural traditions, faith, age, gender, social status and spiritual world, talent, interest, ability, in order to gain social importance of the subject it should be studied not only the image in the mirror, but also together with the owner of the image at the same time. These fields were formed on the basis of the anthropocentric approach that forms the basis of modern linguistics. In particular, in the field of psycholinguistics, research is being carried out on current scientific problems such as "Language acquisition, speech creation, speech understanding, communication, internal psychic experiences of an individual, speech disorders, the relationship between language and thought, the intersection of speech and situation"¹¹. Otherwise, the science of *numerology*, which studies the influence of numbers and numerals on a certain state of humanity - profession, lifestyle, fate, future, or others, is also a collaborative field and it is an integrated branch of science that studies the magical, philosophical, mystical, religious, and psychological meanings of numbers. Indeed, numbers are also of a national-mental nature, and there are distinctive aspects of their use in

⁹ Abuzalova M. Linguistics and medicine cooperation as a social necessity\\Proceedings of the international scientific and practical conference on the topic of field linguistics: problems, solutions and prospects of the integration of linguistics and medicine. Bukhara, November 10, 2021. -B.16

¹⁰ Rajabov D. New approaches to the research of the Uzbek language\\ Materials of the international scientific and practical conference on the topic of field linguistics: problems, solutions and perspectives of the integration of linguistics and medicine. Bukhara, November 10, 2021. -B.40

¹¹ Kholmanova Z., Usmanova Sh. Psycholinguistics. - Tashkent, 2018 - B.8



intercultural communication. In different zones of the world, there are specific national methods of using numbers that include the cultural traditions of a certain nation and reflect a specific social characters and psychology (for Uzbeks, taking some odd loaf of bread to a mourner's house, for Asians the number four, for Europeans the number thirteen as an "unlucky" number, etc.).

Interdisciplinary integration has always been in the center of attention of experts. However, today, the expansion of global communication, the rapid establishment of intercultural relations, and the rapid penetration of technologies in all aspects of human life lead to the emergence of new trends in various disciplines such as in medicine and linguistics. Our opinion is evidenced by the emergence of such directions as psychiatric linguistics, bio, eco, physio, anthropological linguistics, articulatory and perceptive phonetics, and clinical linguistics¹². In particular, medical linguistics is one of the fields that has become a "social necessity" of today. President Sh. M. Mirziyoyev's decision of December 7, 2018 "On comprehensive measures to fundamentally improve the health care system of the Republic of Uzbekistan" made the solution of many issues a priority for not only medical workers, but also linguistic specialists. For example, creating an electronic dictionary of medical terms; enrichment of medical terms with folk dialectal words, synonyms, idioms and euphemisms; development of field-specific translation and explanatory dictionaries: translation of medical texts written in English, Russian and other languages; comparative study of medical terminology; field-oriented teaching of the Uzbek language in medical higher education institutions; creation of electronic textbooks and their mobile applications; introduction of the subject "Professional speech culture" at the bachelor level of all higher education institutions, etc. The scope of such tasks is designed to allow proper use of the opportunities of the state language in the field of medicine as well as in other fields. Achievements in the field are also commendable. "We took part in the "Women Scientists Grant" announced by the Ministry of Innovative Development of the Republic of Uzbekistan in 2020 with a practical project on the topic "Creating an electronic platform of medical terms" and won the A-OT- for 2021-2022 and at present we are working on this project number 2021-2," says Doctor of Philology, Professor Mehriniso Kadyrovna Abuzalova"¹³. According to the scientist, it is significant with highlighting some medical terms through terms in the practical project on "Creating an electronic platform of medical terms", alongside with clear and concise terms, as well as providing meaningful explanations and filling them with unique medical terms that are inappropriate to say".

Our language is extremely rich and beautiful. The beautiful expression of the words, figurative combinations, metaphorical names, subtle similes have been reflected in the folk speech since ancient times. Of course, the services of poets and scholars, writers, orators and experts in the field of linguistics are great in demonstrating such delicate and beautiful aspects of the language. In particular, our linguists have the goal of developing field linguistics and widely promoting linguistic sciences within various professions and fields.

¹² Adilova S. Linguistics and medical integration\\Field linguistics: materials of the international scientific and practical conference on the problems, solutions and perspectives of linguistics and medical integration. Bukhara, November 10, 2021. -B.37

¹³ Abuzalova M. That article.-B.42



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