# ACTUAL PROBLEMS OF TEACHING FOREIGN LANGUAGES IN THE ERA OF DIGITAL TECHNOLOGIES

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*Аннотация: В данной статье рассматриваются проблемы и возможности, с которыми сталкивается языковое образование в эпоху цифровых технологий, сравнительное языкознание, переводоведение и лингвистика XXI века. Разделенный на четыре раздела, он исследует современные методы преподавания, дополненные цифровыми инструментами, сложности машинного перевода, культурные нюансы цифрового перевода и преобразующее влияние больших данных на лингвистические исследования. В этой статье рассматриваются сложности, изменения и этические соображения, которые определяют изучение языка.*

*Ключевые слова: языковое образование, цифровые технологии, сравнительное языкознание, переводоведение, лингвистика XXI века, методики преподавания, машинный перевод, культурные нюансы, компьютерная лингвистика,*

*Annotatsiya: Ushbu maqola raqamli asrda til ta'limi, qiyosiy tilshunoslik, tarjimashunoslik va XXI asr tilshunosligi oldida turgan muammolar va imkoniyatlarni o'rganadi. To'rt bo'limga bo'lingan holda, u raqamli vositalar yordamida takomillashtirilgan zamonaviy o'qitish metodologiyalarini, mashina tarjimasining murakkabligini, raqamli tarjimalardagi madaniy nuanslarni va katta ma'lumotlarning lingvistik tadqiqotlarga transformativ ta'sirini o'rganadi.*

*Kalit so'zlar: Til ta'limi, raqamli texnologiyalar, qiyosiy tilshunoslik, tarjimashunoslik, 21-asr tilshunosligi, o'qitish metodikasi, mashina tarjimasi, madaniy nuanslar, hisoblash tilshunosligi,*

*Abstract: This article delves into the challenges and opportunities facing language education, comparative linguistics, translation studies, and 21st-century linguistics in the digital era. Divided into four sections, it examines modern teaching*

*methodologies enhanced by digital tools, the complexities of machine translation, cultural nuances in digital translations, and the transformative impact of big data on linguistic research.The article addresses the complexities, transformations, and ethical considerations shaping language studies in today's technologically-driven landscape.*

The integration of digital technologies into language education has brought forth a paradigm shift in teaching methodologies. This section delves into the multifaceted aspects of contemporary language instruction, exploring the innovative methods, tools, and their impact on language acquisition.

## 1. Technological Integration in Language Classrooms

The traditional classroom setting has evolved with the infusion of digital tools and platforms. Interactive whiteboards, educational apps, virtual reality (VR), and augmented reality (AR) have transformed language lessons into dynamic and immersive experiences. This subsection explores how these technologies are utilized to engage students actively, enhance comprehension, and promote language fluency.

## 2. Gamification and Language Learning

Gamification has emerged as a powerful tool for language educators. By incorporating game elements into language learning platforms, educators can foster motivation, participation, and retention among students. This subsection examines the efficacy of gamified learning environments, analyzing their role in making language acquisition enjoyable and effective.

## 3. Adaptive Learning and Personalized Instruction

Adaptive learning systems leverage artificial intelligence (AI) algorithms to customize learning paths for individual students. This subsection delves into how these systems analyze learners' strengths, weaknesses, and learning styles to tailor

instruction, providing personalized content and pacing for optimized language acquisition.

Each subsection will explore the nuances, challenges, and benefits associated with modern teaching methodologies in language education, emphasizing the role of digital technologies in shaping the landscape of language instruction.

**Problems of Comparative Linguistics in the Era of Digital Technologies**

The fusion of digital technologies with comparative linguistics has brought forth a series of challenges and opportunities. This section focuses on dissecting these complexities, evaluating the impact of technological advancements on the study of comparative linguistics.

**1. Influence of Machine Translation on Linguistic Analysis**

The proliferation of machine translation tools has significantly altered the landscape of linguistic analysis. This subsection discusses the implications of relying on automated translation systems for comparative linguistic studies, addressing the challenges of accuracy, nuances, and the potential biases introduced in linguistic analysis.

**2. Role of Artificial Intelligence (AI) in Comparative Studies**

Artificial Intelligence plays a pivotal role in linguistic research, offering computational models for language analysis. This subsection explores the advancements in AI-driven linguistic studies, highlighting the benefits and limitations of AI in comparative linguistics, including its impact on data analysis, pattern recognition, and linguistic categorization.

**3. Ethical Considerations in Automated Language Processing**

The ethical dimensions of employing automated language processing tools in comparative linguistics merit attention. This subsection delves into the ethical dilemmas surrounding data privacy, cultural sensitivity, and the responsible use of AI in linguistic research, emphasizing the need for ethical guidelines and frameworks in utilizing digital technologies.

Each subsection will delve into the intricate challenges posed by digital technologies in comparative linguistics, offering insights into the complexities, ethical considerations, and future directions of this field in the digital era.

**Actual Problems of Translation Studies in the Era of Digital Technologies**

The evolution of digital technologies has brought forth a myriad of challenges and transformations in the field of translation studies. This section aims to dissect these issues, examining the impact of digital advancements on the practice of translation and its implications.

**1. Complexity of Machine Translation and Human Translation**

Machine translation has become increasingly prevalent, raising questions about its efficacy and its impact on human translation. This subsection evaluates the complexities of machine translation, comparing it with human translation in terms of accuracy, context comprehension, nuances, and cultural subtleties.

**2. Preservation of Cultural Nuances in Digital Translations**

One of the key challenges in digital translations is the preservation of cultural authenticity and nuances. This subsection discusses how digital translation tools often struggle to capture the richness and idiosyncrasies of different languages and cultures, impacting the quality and accuracy of translated content.

**3. Integration of AI Tools in the Translation Process**

Artificial Intelligence tools are increasingly being integrated into translation processes. This subsection delves into the implications of AI-driven translation tools, exploring their role in enhancing translation speed, the challenges posed by nuances and context, and the ethical considerations surrounding reliance on AI in translation.

Each subsection will explore the intricate challenges and transformations brought about by digital technologies in translation studies, shedding light on the complexities, ethical considerations, and future prospects of the field in the digital era.

**21st Century Linguistics and Digital Technologies**

The 21st century witnesses a profound convergence between linguistics and digital technologies, reshaping the methodologies, research avenues, and paradigms

within the field. This section aims to explore this intersection, highlighting the transformative impact of digital technologies on linguistic studies.

### 1. Big Data and Linguistic Research

The abundance of digital data has revolutionized linguistic research. This subsection examines how big data analytics contribute to linguistic studies, enabling researchers to explore language patterns, evolution, and socio-cultural implications, while addressing challenges related to data quality, bias, and ethics.

### 2. Computational Linguistics and Natural Language Processing

Computational linguistics harnesses computational algorithms to analyze and understand human language. This subsection delves into the advancements in computational linguistics and natural language processing, exploring their applications in machine learning, sentiment analysis, speech recognition, and language generation.

### 3. Digital Tools for Language Documentation and Revitalization

Digital technologies play a pivotal role in documenting and revitalizing endangered languages. This subsection discusses the significance of digital tools in preserving linguistic diversity, documenting oral traditions, and revitalizing languages facing extinction, along with the ethical considerations in this process.

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