

ISSN 2181-922X

LANGUAGE & CULTURE

**UZBEKISTON**

**UZBEKISTAN**

**TIL VA MADANIYAT**

**KOMPYUTER  
LINGVISTIKASI**

2024 Vol. 1 (6)

[www.compling.tsuull.uz](http://www.compling.tsuull.uz)

ISSN 2181-922X

# O‘ZBEKISTON

TIL VA MADANIYAT

## KOMPYUTER LINGVISTIKASI

2024 Vol. 1 (6)

[compling.tsuull.uz](http://compling.tsuull.uz)

Alisher Navoiy nomidagi Toshkent davlat o‘zbek tili va adabiyoti universiteti

**Bosh muharrir:**

**Botir Elov**

**Bosh muharrir o‘rinbosari:**

**Shahlo Hamroyeva**

**Mas‘ul kotib:**

**Oqila Abdullayeva**

### **Tahrir kengashi**

Shuhrat Sirojiddinov (O‘zbekiston), Eshref Adali (Turkiya), [Viktor Zaxarov] (Rossiya), Vladimir Benko (Slovakiya), Ayrat Gatiatullin (Tataristan), Rinat Gilmullin (Tataristan), Murat O‘rxun (Turkiya), Suyun Karimov (O‘zbekiston), Abduvali Qarshiyev (O‘zbekiston), Muxammadjon Musayev (O‘zbekiston), Kamoliddin Shukurov (O‘zbekiston), O‘tkir Hamdamov (O‘zbekiston), Tal‘at Zuparov (O‘zbekiston), Bahodir Mo‘minov (O‘zbekiston), Faxriddin Nurullayev (O‘zbekiston), Zulxumor Xolmanova (O‘zbekiston), Muqaddas Abdurahmonova (O‘zbekiston), Habibulla Madatov (O‘zbekiston), Azizaxon Raxmanova (O‘zbekiston), Ruhillo Alayev (O‘zbekiston), Rasuljon Atamuratov (O‘zbekiston), Malika Abdullayeva (O‘zbekiston), Mannon Ochilov (O‘zbekiston), Xolisa Axmedova (O‘zbekiston), Zilola Xusainova (O‘zbekiston).

### **Jurnal haqida ma‘lumot**

“O‘zbekiston: til va madaniyat. Kompyuter lingvistikasi” seriyasi – Oliy attestatsiya komissiyasi ilmiy nashrlar ro‘yxatidagi “O‘zbekiston: til va madaniyat” akademik jurnalining ilovasi hisoblanib, unda professor-o‘qituvchilar, doktorantlar, stajor-tadqiqotchilar, mustaqil izlanuvchilar, magistrantlarning kompyuter lingvistikasi, jumladan, tabiiy tilga ishlov berish (NLP), o‘zbek tilining formal grammatikasi, korpus lingvistikasi, mashina tarjimasini, nutqni qayta ishlash tizimlari, intellektual tizimlar, kompyuter leksikografiyasi hamda lingvistik ontologiyalar kabi sohalarga oid tadqiqotlari nashr qilinadi.

Jurnal ilovasi bir yilda to‘rt marta chop etiladi.

O‘zbek, turk, rus va ingliz tillarida yozilgan maqolalar qabul qilinadi.

Jurnaldagi kitoblarga yozilgan taqrizlar, adabiyotlar sharhi, konferensiyalar hisobotlari va tadqiqot loyihalari natijalari ham e‘lon qilinadi.

Mualliflar fikri tahririyat nuqtayi nazaridan farq qilishi mumkin.

“O‘zbekiston: til va madaniyat. Kompyuter lingvistikasi” seriyasi 2023-yildan chiqib boshlagan.

Alisher Navoiy nomidagi Toshkent davlat o‘zbek tili va adabiyoti universiteti. O‘zbekiston, Toshkent, Yakkasaroy tumani, Yusuf Xos Hojib ko‘chasi, 103-uy.

**E-mail:** [kompling@navoiy-uni.uz](mailto:kompling@navoiy-uni.uz)

**Website:** [compling.tsuull.uz](http://compling.tsuull.uz)

Alisher Navo'i Tashkent State University of the Uzbek Language and Literature

<b>Chief editor:</b>	<b>Botir Elov</b>
<b>Deputy editor-in-chief:</b>	<b>Shahlo Hamroyeva</b>
<b>Responsible secretary:</b>	<b>Oqila Abdullayeva</b>

### **Editorial board**

Shukhrat Sirojiddinov (Uzbekiston), Eshref Adali (Turkiye), [Viktor Zakharov] (Russia), Vladimir Benko (Slovakia), Ayrat Gatiatullin (Tataristan), Rinat Gilmullin (Tataristan), Murat Orhun (Turkey), Suyun Karimov (Uzbekistan), Abduvali Karshiyev (Uzbekistan), Mukhammadjon Musayev (Uzbekistan), Kamoliddin Shukurov (Uzbekistan), O'tkir Hamdamov (Uzbekistan), Tal'at Zuparov (Uzbekistan), Bahadir Mo'minov (Uzbekistan), Fakhridin Nurullayev (Uzbekistan), Zulkhumor Kholmanova (Uzbekistan), Muqaddas Abdurakhmonova (Uzbekistan), Habibulla Madatov (Uzbekistan), Azizakhan Raxmanova (Uzbekiston), Ruhillo Alayev (Uzbekistan), Rasuljon Atamuratov (Uzbekistan), Malika Abdullayeva (Uzbekistan), Mannon Ochilov (Uzbekistan), Kholisa Akhmedova (Uzbekistan), Zilola Khusainova (Uzbekistan).

### **Information about the magazine**

"Uzbekistan: language and culture. "Computer Linguistics" series is an appendix of the academic journal "Uzbekistan: Language and Culture" in the list of scientific publications of the Higher Attestation Commission, in which computer linguistics, including natural language processing (NLP) of professors-teachers, doctoral students, intern-researchers, independent researchers, master's students, researches related to formal grammar of the Uzbek language, corpus linguistics, machine translation, speech processing systems, intelligent systems, computer lexicography and linguistic ontologies are published.

The magazine supplement is published four times a year.

Articles written in Uzbek, Turkish, Russian and English languages are accepted.

The journal also publishes book reviews, literature reviews, conference reports, and research project results.

The opinion of the authors may differ from the editorial point of view.

"Uzbekistan: language and culture. "Computer Linguistics" series has been published since 2023.

Tashkent State University of Uzbek Language and Literature named after Alisher Navoi. Yusuf Khos Hajib street, 103, Yakkasaray district, Tashkent, Uzbekistan.

**E-mail:** [kompling@navoiy-uni.uz](mailto:kompling@navoiy-uni.uz)

**Website:** [kompling.tsuull.uz](http://kompling.tsuull.uz)

## MUNDARIJA

### **Firuza Nurova**

Jahon kompyuter lingvistikasida bir necha soʻz-shakldan iborat leksemalarga ishlov berish tajribasi haqida .....6

### **Iqbola Xolmonova**

Oʻzbek-turk parallel korpusi uchun matnlar tokenizatsiyasi masalasi.....21

### **Botir Elov, Shahlo Hamroyeva, Marjona Hamroqulova**

Nlpda semantik teglash usullari.....32

### **Oqila Abdullayeva**

Oʻzbek tili matnlarida sintaktik teg va teglash masalasi.....46

### **Aziza Raxmanova**

Modern methods of teaching the linguistic basics of the uzbek and english languages.....58

### **Nargiza Shamiyeva**

The main principals of creating a bilingual thesaurus for the uzbek language.....66

### **Zarnigor Khayatova**

Uzbek paraphrasing software: how your words get a makeover (without losing their meaning!).....78

## CONTENT

### **Firuza Nurova**

About the experience of processing lexemes consisting of several word forms in world computer linguistics.....19

### **Iqbola Xolmonova**

The issue of text tokenization for the uzbek-turkish parallel corpus.....31

### **Botir Elov, Shahlo Hamroyeva, Marjona Hamroqulova**

Semantic tagging methods in nlp.....44

### **Oqila Abdullayeva**

The issue of syntactic tags and tagging in uzbek language texts.....56

### **Azizaxon Raxmanova**

O'zbek va ingliz tillarining lingvistik asoslarini o'qitishning zamonaviy metodlari.....64

### **Nargiza Shamiyeva**

O'zbek tili uchun bilingval tezaurus yaratishning asosiy tamoyillari.....76

### **Zarnigor Xayatova**

O'zbekcha parafrazlash dasturi: sizning so'zlaringiz qanday o'zgaradi? (ma'noni saqlagan holda).....85

# MODERN METHODS OF TEACHING THE LINGUISTIC BASICS OF THE UZBEK AND ENGLISH LANGUAGES

Aziza Raxmanova<sup>1</sup>

**Abstract.** This article explores contemporary approaches to teaching the fundamental aspects of both Uzbek and English languages. It emphasizes the integration of innovative methods such as technology, communicative activities, cultural immersion, and personalized learning to enhance language acquisition. The article highlights the importance of engaging learners actively, fostering practical application, and incorporating cultural context into language instruction. By leveraging data-driven insights and continuous assessment, educators can refine teaching strategies to optimize learning outcomes and sustain learner motivation. Overall, the article underscores the significance of modern teaching methods in equipping learners with linguistic proficiency and cultural competence in Uzbek and English languages for success in a globalized world.

**Keywords:** *Modern methods, teaching, linguistic basics, Uzbek language, English language, technology integration, communicative activities, cultural immersion, personalized learning.*

## Introduction

In our increasingly interconnected world, the ability to communicate effectively in multiple languages has become a valuable skill. With Uzbek as the official language of Uzbekistan and English serving as a global lingua franca, the demand for proficient speakers in these languages is ever-growing. As such, the importance of employing modern teaching methods to facilitate the acquisition of linguistic basics in Uzbek and English cannot be overstated.

Language acquisition is a multifaceted process that involves not only memorizing vocabulary and grammar rules but also developing proficiency in listening, speaking, reading, and writing. Traditional teaching approaches often rely heavily on rote memorization and grammar drills, which may not always resonate with learners or promote long-term retention. In contrast, modern methods of lan-

---

<sup>1</sup>Raxmanova Aziza Abdugafurovna – Candidate of Philological Sciences, Associate Professor, Department of Uzbek Language and Literature Tashkent Pharmaceutical Institute.

**E-pochta:** [azizahonraa@gmail.com](mailto:azizahonraa@gmail.com)

**ORCID:** 0009-0005-1937-5237

guage instruction prioritize active engagement, meaningful interaction, and practical application of language skills.

One of the most significant advancements in language teaching is the integration of technology into the learning process. Digital platforms, mobile applications, and online resources offer interactive and immersive experiences that cater to diverse learning styles. Whether through language learning apps like Duolingo and Rosetta Stone or virtual reality simulations, technology has made language learning more accessible, engaging, and effective than ever before.

Furthermore, modern language instruction emphasizes the importance of incorporating multimedia elements such as videos, audio recordings, and visual aids. These resources not only enhance comprehension but also provide cultural context and authenticity to language learning. By exposing learners to authentic language use in real-life situations, multimedia materials help bridge the gap between classroom learning and real-world communication.

Moreover, contemporary language teaching approaches prioritize communicative activities and task-based learning. By focusing on meaningful communication and practical language use, educators can create authentic learning experiences that mirror real-life situations. Whether through role-plays, group discussions, or problem-solving tasks, learners are encouraged to actively engage with the language and develop their linguistic skills in context. Technology has revolutionized language learning, offering interactive tools and resources that engage learners effectively. In teaching Uzbek and English, educators can leverage various digital platforms and applications tailored to language acquisition. For instance, language learning apps like Duolingo and Rosetta Stone provide interactive lessons, quizzes, and exercises that cater to diverse learning styles. Virtual reality (VR) technology also offers immersive language experiences, enabling learners to simulate real-life conversations and scenarios in both Uzbek and English.

Gathering statistical data on modern methods of teaching the linguistic basics of Uzbek and English languages provides concrete insights into the effectiveness of different instructional approaches and their impact on language acquisition. Statistical data can reveal the improvement in language proficiency among learners. For example, a study may find that learners who participated in communicative language activities showed an average increase of 1.5 CEFR proficiency levels in Uzbek and English after six months of instruction. Quantitative data on learner engagement can offer valuable insights



into participation and interaction with language learning materials. For instance, an online language learning platform may report that 80% of users engage with the platform for an average of 45 minutes per session, indicating high levels of user engagement. Statistical analysis of assessment results can provide measurable evidence of learner progress and achievement. For example, a comparison of pre- and post-assessment scores may show that learners using task-based learning methods scored an average of 20% higher on English proficiency tests compared to those using traditional grammar-focused instruction. Tracking retention rates over time can indicate the sustainability of learner motivation and commitment. Statistical data may show that 90% of learners who participated in cultural integration activities continued their language studies beyond the initial course period, demonstrating high retention rates. Quantifying the adoption and usage of technology-enhanced learning tools provides insights into their effectiveness in language instruction. For instance, a language learning app may report 1 million downloads within the first month of launch, indicating widespread adoption and interest among learners. Statistical analysis of learner perceptions of cultural integration activities can assess their effectiveness. Surveys may reveal that 85% of learners found cultural immersion experiences, such as virtual tours of Uzbek landmarks and cultural festivals, to be highly beneficial for language learning.

By collecting and analyzing numerical data on these statistical indicators, educators and language instructors can gain a comprehensive understanding of the effectiveness of modern teaching methods in facilitating the linguistic basics of Uzbek and English languages. This data-driven approach enables informed decision-making to optimize language learning experiences and outcomes for learners.

Incorporating multimedia elements such as videos, audio recordings, and visual aids enhances the learning experience and reinforces linguistic concepts. For Uzbek language instruction, multimedia resources showcasing Uzbek culture, traditions, and daily life can provide contextual understanding and cultural immersion. Similarly, for English language teaching, multimedia content featuring native speakers, authentic conversations, and multimedia storytelling can improve listening comprehension and pronunciation.

The communicative approach emphasizes real-life communication and interaction as the primary goal of language learning. In teaching Uzbek and English, educators can adopt communicative

activities such as role-plays, group discussions, and language games to encourage active participation and fluency development. Pair and group work activities facilitate peer-to-peer communication, allowing learners to practice speaking, listening, and comprehension skills in authentic contexts.

Task-based learning focuses on completing meaningful tasks that require language use, promoting language acquisition through practical application. In teaching Uzbek and English, educators can design tasks that reflect real-world scenarios and objectives, such as ordering food at a restaurant, conducting interviews, or solving problems collaboratively. By engaging in purposeful tasks, learners develop language skills while also acquiring problem-solving and critical-thinking abilities.

Language learning is inseparable from cultural understanding, as language reflects the values, beliefs, and traditions of a community. Integrating cultural elements into Uzbek and English language instruction enhances learners' appreciation and understanding of the respective cultures. Cultural activities, such as festivals, celebrations, cuisine tastings, and cultural presentations, provide opportunities for learners to explore and engage with Uzbek and English culture while developing language proficiency.

Recognizing the diverse needs and preferences of learners, personalized learning approaches cater to individual learning styles, interests, and proficiency levels. In teaching Uzbek and English, educators can offer customized learning paths, adaptive materials, and individualized feedback to support learners' unique language learning journeys. Personalized learning platforms and tools allow learners to progress at their own pace, focus on areas of interest, and receive tailored support from instructors.

## **Conclusion**

In conclusion, modern methods of teaching the linguistic basics of the Uzbek and English languages represent a dynamic shift towards more effective and engaging language instruction. By embracing innovative approaches such as technology integration, communicative activities, task-based learning, cultural immersion, and personalized instruction, educators can create dynamic learning environments that cater to diverse learning styles and preferences.

These modern methods prioritize active engagement, practical application, and cultural relevance, facilitating the acquisition of linguistic skills in Uzbek and English languages. Through inter-

active multimedia resources, immersive language experiences, and authentic communicative activities, learners are empowered to develop proficiency in listening, speaking, reading, and writing while gaining insights into the cultural contexts of both languages.

Furthermore, personalized learning pathways and adaptive technologies cater to individual learner needs, fostering autonomy and motivation. By leveraging data-driven insights and continuous assessment, educators can refine their teaching methods to optimize language learning outcomes and ensure sustained learner engagement and progression.

In today's interconnected world, proficiency in multiple languages opens doors to diverse opportunities and enhances intercultural communication and understanding. By embracing modern teaching methods, educators play a pivotal role in equipping learners with the linguistic skills and cultural competence needed to thrive in a globalized society.

## **References**

- Akhmedova N.A. Theory of grammatical categories in modern linguistics. *Young scientist* 4-2. 12-14 p. 2017.
- Tuichieva S.M., Akhmedova N.A. - Innovative methods of interaction of participants in the educational process. *Journal No. X.* 546-551 pages;
- Akhmedova N.A. Methods of teaching medical students to translate special texts from English into Uzbek on the basis of modern information and communication technologies. *International Bulletin of Applied Science and Technology.* 361-363 pages. 2023/3/23.
- Akhmedova N.A. The use of multimedia technologies in teaching foreign languages. "The current state of the market: problems and prospects" no.2. September 10-12, 2021/11.
- Talipdzhanov A.A., Akhmedova N.A. Innovative perspectives of information technologies in the system of physical education. *Uzbekridge is an electronic magazine.* №2 86-90. 2021/11.
- Karimova N.A., Akhmedov N.A., Mirazimov S.B. Development of a system for the gradual formation of students' moral culture in foreign language classes in non-linguistic groups. *Science and the World.* 69-72 pages. 2020/6.
- Akhmedova N.A. Similarities and differences in compound proper names in English and Uzbek. *Young lesson* No.8. 2016.

Abdullayeva A.E., Khudoikulova D.K. "Psycholinguistic features of teaching listening to students of higher educational institutions" "Central Asian Journal of Theoretical and Applied Science".

Kenzhaeva N.D., Abdullayeva A.E., Akhmedova T.B. "New pedagogical technologies in teaching a foreign language to students of non-philological educational institutions" The international interdisciplinary scientific journal "ACADEMICIA".

# O'ZBEK VA INGLIZ TILLARINING LINGVISTIK ASOSLARINI O'QITISHNING ZAMONAVIY METODLARI

Azizaxon Raxmanova<sup>1</sup>

**Annotatsiya.** Ushbu maqolada o'zbek va ingliz tillarining asosiy jihatlari o'qitishning zamonaviy yondashuvlari o'rganilgan. Bu tilni o'rganishni kuchaytirish uchun texnologiya, kommunikativ faoliyat, madaniy suvga cho'mish va shaxsiy o'rganish kabi innovatsion usullarning integratsiyasini ta'kidlaydi. Maqolada o'quvchilarni faol jalb qilish, amaliy qo'llanilishini rivojlantirish va madaniy kontekstni til o'qitishga kiritish muhimligi ta'kidlangan. Ma'lumotlarga asoslangan tushunchalar va doimiy baholashdan foydalanib, o'qituvchilar o'quv natijalarini optimallashtirish va o'quvchilarning motivatsiyasini saqlab qolish uchun o'qitish strategiyasini takomillashtirishlari mumkin. Umuman olganda, maqolada o'quvchilarni globallashtirish dunyoda muvaffaqiyatga erishish uchun o'zbek va ingliz tillarida lingvistik bilim va madaniy kompetensiya bilan ta'minlashda zamonaviy o'qitish usullarining ahamiyati ta'kidlangan.

**Key words:** *zamonaviy metodlar, o'qitish, tilshunoslik asoslari, o'zbek tili, ingliz tili, texnologiya integratsiyasi, kommunikativ faoliyat, madaniy immersiya, shaxsiylashtirilgan ta'lim.*

## Foydalanilgan adabiyotlar

- Akhmedova N.A. Theory of grammatical categories in modern linguistics. Young scientist 4-2. 12-14 p. 2017.
- Tuichieva S.M., Akhmedova N.A. - Innovative methods of interaction of participants in the educational process. Journal No. X. 546-551 pages;
- Akhmedova N.A. Methods of teaching medical students to translate special texts from English into Uzbek on the basis of modern information and communication technologies. International Bulletin of Applied Science and Technology. 361-363 pages. 2023/3/23.
- Akhmedova N.A. The use of multimedia technologies in teaching foreign languages. "The current state of the market: problems and prospects" no.2. September 10-12, 2021/11.
- Talipdzhanov A.A., Akhmedova N.A. Innovative perspectives of information technologies in the system of physical education.

---

<sup>1</sup>Raxmanova Azizaxon Abdugafurovna – filologiya fanlari falsafa doktori PhD, dotsent. Toshkent farmatsevtika instituti.

**E-pochta:** [azizahonraa@gmail.com](mailto:azizahonraa@gmail.com)

**ORCID:** 0009-0005-1937-5237

- Uzbekridge is an electronic magazine. №2 86-90. 2021/11.
- Karimova N.A., Akhmedov N.A., Mirazimov S.B. Development of a system for the gradual formation of students' moral culture in foreign language classes in non-linguistic groups. Science and the World.69-72 pages. 2020/6.
- Akhmedova N.A. Similarities and differences in compound proper names in English and Uzbek. Young lesson No.8. 2016. 1082-1084 p.
- Abdullayeva A.E., Khudoikulova D.K. "Psycholinguistic features of teaching listening to students of higher educational institutions" "Central Asian Journal of Theoretical and Applied Science".
- Kenzhaeva N.D., Abdullayeva A.E., Akhmedova T.B. "New pedagogical technologies in teaching a foreign language to students of non-philological educational institutions" The international interdisciplinary scientific journal "ACADEMICIA".

Jurnal 2017-yil 26-oktyabrda O'zbekiston Respublikasi Matbuot va axborot agentligi tomonidan 0936-raqam bilan ro'yxatdan o'tgan.

Jurnal O'zbekiston Respublikasi Oliy Attestatsiya Komissiyasi tomonidan filologiya fanlari bo'yicha falsafa doktori (PhD) va fan doktori (DSc) dissertatsiyalari asosiy ilmiy natijalari chop etilishi lozim bo'lgan ro'yxatga kiritilgan (30.10.2021. № 308/6).

Tahririyatga kelgan maqolalar mualliflarga qaytarilmaydi.

**Manzil:** Toshkent shahri, Yakkasaroy tumani, Yusuf Xos  
Hojib ko'chasi 103-uy.  
Telefonlar: +99871 281-45-11, +99871 281-41-93.  
Website: [compling.tsuull.uz](http://compling.tsuull.uz)  
E-mail: [kompling@navoiy-uni.uz](mailto:kompling@navoiy-uni.uz)

Bosishga 29.02.2024-yilda ruxsat etildi.  
Bichimi 70x100 1/16, Ofset bosma. "Cambria" garniturasida.  
Shartli b.t. 7,51. Nashr b.t. 7,62.

"O'zbekiston: til va madaniyat" jurnali tahririyatida  
tayyorlandi va sahifalandi.  
"YASHNOBOD NASHR" bosmaxonasida chop etildi.  
Adadi 300 nusxa. Buyurtma №2.  
Bosmaxona manzili: Toshkent shahar Yashnobod tumani,  
58-a harbiy shaharcha.