



THE USE OF ARTIFICIAL INTELLIGENCE TOOLS IN FOREIGN LANGUAGE TEACHING: OPPORTUNITIES AND CHALLENGES

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ABSTRACT

The rapid development of Artificial Intelligence (AI) has significantly influenced the field of foreign language education. AI-powered tools such as intelligent tutoring systems, automated writing evaluation platforms, speech recognition applications, chatbots, machine translation systems, and generative AI can provide learners with personalized, interactive, and flexible learning opportunities. This article examines the opportunities and challenges associated with the use of Artificial Intelligence tools in foreign language teaching. The study focuses on the potential of AI to support personalized learning, develop language skills, provide immediate feedback, increase learner motivation, and reduce teachers' administrative workload. At the same time, several challenges are identified, including concerns about academic integrity, inaccurate AI-generated information, data privacy, technological inequality, overdependence on technology, and the changing role of teachers. The analysis demonstrates that AI should not replace foreign language teachers but should function as a complementary pedagogical tool. Effective integration requires appropriate teacher training, digital literacy, ethical guidelines, and a balanced combination of AI-supported activities and traditional communicative approaches. The article concludes that responsible and pedagogically informed use of AI can contribute substantially to the quality and effectiveness of foreign language education.

1. Introduction

The development of digital technologies has transformed modern education and created new possibilities for teaching and learning foreign languages. In recent years, Artificial Intelligence has become one of the most rapidly developing technologies in education. AI-based applications are increasingly used to support language learning, assessment, communication, translation, writing, pronunciation practice, and individualized instruction.

Foreign language learning traditionally requires regular interaction, meaningful practice, feedback, and opportunities for communication. However, teachers often work with large groups of learners who have different levels of proficiency, learning styles, interests, and educational needs. Providing individualized feedback and sufficient opportunities for practice can therefore be challenging. AI technologies have the potential to address some of these difficulties by offering learners immediate feedback and personalized learning experiences.

AI-powered tools can simulate conversations, identify grammatical errors, provide vocabulary exercises, evaluate pronunciation, generate educational materials, and assist teachers in lesson planning. Generative AI systems, including large language models, can also create texts, questions, dialogues, explanations, and other learning materials according to learners' needs.

However, the implementation of AI in foreign language teaching also raises important pedagogical and ethical questions. Learners may become overly dependent on AI-generated answers, while AI systems can sometimes provide inaccurate, biased, or inappropriate information. Furthermore, issues related to privacy, academic integrity, unequal access to technology, and the appropriate role of teachers require careful consideration.

Therefore, the purpose of this article is to examine the major opportunities and challenges associated with the use of Artificial Intelligence tools in foreign language teaching and to identify conditions for their effective and responsible implementation.

2. Methods and Literature Review

2.1. Research Methods

This study is based on a qualitative analysis of academic literature concerning Artificial Intelligence, educational technology, and foreign language teaching. The research methodology includes literature analysis, comparative analysis, and pedagogical interpretation.

Academic publications, reports, and research studies related to AI-assisted language learning were examined to identify the main benefits, limitations, and pedagogical implications of AI technologies. Particular attention was given to studies concerning intelligent tutoring systems, automated feedback, chatbots, machine translation, speech recognition, and generative AI.

The analysis was organized around several key dimensions:

- personalization of language learning;
- development of language skills;
- provision of immediate feedback;
- learner motivation and engagement;
- teacher support;
- academic integrity;
- ethical and privacy concerns;
- technological accessibility.[1]

2.2. Literature Review

The integration of technology into language education has been extensively discussed in the field of Computer-Assisted Language Learning (CALL). Earlier technological approaches

primarily focused on computer-based exercises, multimedia materials, and online communication. The emergence of AI has expanded these possibilities by introducing systems capable of analyzing learner performance and generating adaptive content.

According to Luckin et al. (2016), AI can support personalized education by analyzing learners' needs and providing adaptive learning experiences. This principle is particularly relevant to foreign language education because learners often demonstrate significant differences in vocabulary, grammar, pronunciation, and communicative competence.

Research on Intelligent Computer-Assisted Language Learning (ICALL) has also demonstrated the potential of computational technologies to provide individualized language practice and feedback. AI systems can analyze learners' linguistic output and identify particular areas requiring improvement.

Chatbots represent another important application of AI in language education. Fryer and Carpenter (2006) demonstrated that conversational agents could provide learners with opportunities for interaction and practice. Modern AI chatbots have become considerably more advanced and can maintain context, generate natural-language responses, and adapt conversations to different topics.

Recent developments in generative AI have further expanded the possibilities of language education. Large language models can produce texts at different levels of complexity, explain grammatical concepts, create dialogues, generate vocabulary exercises, and provide feedback on written work. However, researchers emphasize that generative AI should be integrated critically because its outputs may contain factual, linguistic, or contextual inaccuracies (UNESCO, 2023).

Kohnke, Moorhouse, and Zou (2023) argue that generative AI has considerable potential for language teaching, but educators need to develop appropriate pedagogical strategies for its use. Similarly, Kasneci et al. (2023) highlight both the educational opportunities and risks associated with large language models.

The literature therefore suggests that AI can make foreign language learning more flexible and personalized, but its effectiveness depends strongly on how the technology is integrated into the educational process.[2]

3. Results

The analysis of the literature identified several major opportunities for using AI tools in foreign language teaching.

3.1. Personalized Learning

One of the most significant advantages of AI is its ability to support personalized learning. AI systems can analyze learners' performance and provide exercises corresponding to their individual proficiency levels.

For example, a beginner learner can receive simple vocabulary and grammar activities, while an advanced learner can work with complex texts, academic vocabulary, and sophisticated writing tasks. This flexibility can help learners progress according to their individual needs.

3.2. Immediate Feedback

AI tools can provide immediate feedback on learners' language production. Automated writing systems can identify grammatical, lexical, and stylistic problems. Speech-recognition technologies can assist learners in identifying pronunciation difficulties.

Immediate feedback allows learners to recognize their mistakes and correct them without waiting for the teacher. This can increase the amount of independent practice available outside the classroom.[3]

3.3. Development of Communication Skills

AI chatbots can create simulated communication environments. Learners can practice conversations in English or another foreign language without the pressure that may occur during interaction with classmates.

AI can generate role-play situations such as job interviews, travel conversations, academic discussions, and everyday communication. Such activities can provide additional opportunities to practice speaking and vocabulary.

3.4. Vocabulary Development

AI applications can generate vocabulary exercises based on learners' proficiency levels. They can create definitions, examples, contextual sentences, quizzes, and revision activities.

AI can also help learners understand how words are used in different contexts rather than simply memorizing isolated vocabulary items.[4]

3.5. Support for Teachers

AI can assist teachers with lesson planning, material development, question generation, assessment preparation, and differentiation of learning activities.

For example, teachers can use AI to generate several versions of an activity for learners with different proficiency levels. This can save time and allow teachers to focus more on classroom interaction and pedagogical decision-making.

3.6. Increased Learner Engagement

Interactive AI tools may increase learner engagement by providing conversational and personalized learning experiences. Learners can interact with AI systems at any time and repeat activities as many times as necessary.

This flexibility can be particularly useful for learners who require additional practice outside the classroom.

4. Analysis and Discussion

Despite the significant opportunities, the use of AI in foreign language education also involves several challenges.

4.1. Accuracy of AI-Generated Content

AI systems do not always provide accurate information. Generative AI may produce grammatically acceptable but contextually inappropriate language, incorrect explanations, or fabricated information.

Therefore, learners should not automatically accept AI-generated answers as correct. Teachers should teach students how to evaluate, verify, and critically analyze AI-generated content.

4.2. Academic Integrity

One of the major concerns is the possibility of students using generative AI to complete assignments without demonstrating their own knowledge and skills.

For example, if learners submit AI-generated essays as their own work, teachers may have difficulty determining their actual writing abilities. Therefore, language education needs assessment methods that emphasize individual performance, classroom interaction, drafts, reflection, and oral communication.[5]

4.3. Overdependence on Technology

Excessive dependence on AI may negatively affect learners' independence and problem-solving abilities. If students constantly ask AI to translate, correct, or write texts for them, they may have fewer opportunities to develop their own linguistic competence.

AI should therefore be used as a learning assistant rather than as a substitute for active learning.[6]

4.4. Data Privacy and Ethical Issues

Many AI applications collect user data. In educational contexts, this raises important questions concerning privacy and the protection of learners' personal information.

Educational institutions should carefully evaluate the privacy policies and data practices of AI platforms before introducing them into classrooms.

4.5. Digital Inequality

Not all learners have equal access to reliable internet connections, modern devices, or advanced AI applications. Consequently, uncontrolled use of AI may increase the gap between learners with different technological opportunities.

Educational institutions should consider accessibility and provide alternative learning opportunities when necessary.

4.6. Changing Role of the Teacher

AI does not eliminate the need for teachers. Instead, it changes some aspects of the teacher's role.[7]

The modern language teacher increasingly becomes a facilitator, learning designer, evaluator, and digital literacy guide. Teachers need to understand both the possibilities and limitations of AI technologies in order to integrate them effectively.

The most effective approach is therefore not "AI instead of teachers," but "AI together with teachers." Human teachers provide emotional support, pedagogical judgment, cultural understanding, classroom management, and authentic interpersonal communication—areas that cannot be fully replaced by automated systems.[8]

5. Practical Recommendations

Based on the analysis, several recommendations can be proposed for the effective use of AI in foreign language teaching.

First, teachers should select AI tools according to clear pedagogical objectives rather than using technology simply because it is available.

Second, learners should be taught AI literacy. They need to understand how AI systems work, recognize their limitations, verify information, and use AI ethically.

Third, AI-generated content should be checked by teachers and learners. Important linguistic or factual information should be verified through reliable sources.[9]

Fourth, AI activities should be combined with human interaction. Pair work, group discussions, presentations, debates, and teacher-led communication remain essential components of foreign language learning.

Finally, educational institutions should develop clear policies concerning privacy, academic integrity, acceptable AI use, and assessment.[10]

6. Conclusion

Artificial Intelligence is becoming an increasingly important component of modern foreign language education. AI tools provide numerous opportunities for personalized learning, immediate feedback, communication practice, vocabulary development, writing support, and teacher assistance.

At the same time, AI integration creates challenges related to accuracy, academic integrity, privacy, technological inequality, and learner dependence. These challenges demonstrate that the educational value of AI depends not simply on the availability of technology but on the quality of its pedagogical implementation.

The findings of this study suggest that AI should be viewed as a complementary technology rather than a replacement for foreign language teachers. Teachers remain essential for providing meaningful communication, emotional support, pedagogical guidance, cultural knowledge, and critical evaluation.

Therefore, responsible AI integration requires a balanced approach in which technological innovation is combined with human-centered pedagogy. When used appropriately, AI can enhance the effectiveness, accessibility, and flexibility of foreign language education and create new opportunities for both teachers and learners.

References:

1. Fryer, L., & Carpenter, R. (2006). Bots as language learning tools. *Language Learning & Technology*, 10(3), 8–14.
 2. Kasneci, E., Sessler, K., Küchemann, S., Bannert, M., Dementieva, D., Fischer, F., Gasser, U., Groh, G., Günnemann, S., Hüllermeier, E., Krusche, S., Kutyniok, G., Michaeli, T., Nerdel, C., Pfeiffer, F., Poquet, O., Sailer, M., Schmidt, A., Seidel, T., Stadler, M., & Kasneci, G. (2023).
 3. ChatGPT for good? On opportunities and challenges of large language models for education. *Learning and Individual Differences*, 103, 102274.
 4. Kohnke, L., Moorhouse, B. L., & Zou, D. (2023). ChatGPT for language teaching and learning. *RELC Journal*, 54(2), 537–550.
 5. Luckin, R., Holmes, W., Griffiths, M., & Forcier, L. B. (2016). *Intelligence Unleashed: An Argument for AI in Education*. London: Pearson.
 6. UNESCO. (2023). *Guidance for Generative AI in Education and Research*. Paris: UNESCO.
 7. Zawacki-Richter, O., Marín, V. I., Bond, M., & Gouverneur, F. (2019). Systematic review of research on artificial intelligence applications in higher education—Where are the educators? *International Journal of Educational Technology in Higher Education*, 16, 39.
 8. Holmes, W., Bialik, M., & Fadel, C. (2019). *Artificial Intelligence in Education: Promises and Implications for Teaching and Learning*. Boston: Center for Curriculum Redesign.
 9. Ouyang, F., & Jiao, P. (2021). Artificial intelligence in education: The three paradigms. *Computers and Education: Artificial Intelligence*, 2, 100020.
 10. Godwin-Jones, R. (2022). Partnering with AI: Intelligent writing assistance and the future of language learning. *Language Learning & Technology*, 26(2), 5–17.
- Fitria, T. N. (2021). The use of artificial intelligence in language learning: A systematic review. *Journal of English Language Teaching and Linguistics*, 6(2), 359–375.