



HISTORICAL AND ETYMOLOGICAL DEVELOPMENT OF TOPONYMS AND ANTHROPONYMS AND THEIR ROLE IN THE LANGUAGE SYSTEM

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ANNOTATSIYA/ АННОТАЦИЯ

Til tizimida tarixiy, madaniy, etnik va kognitiv ma'lumotlarni saqlab qolishi sababli atoqli otlarni o'rganish zamonaviy tilshunoslikning eng muhim yo'nalishlaridan biri hisoblanadi. Mazkur maqolada toponim va antroponimlarning tarixiy hamda etimologik rivojlanishi, shuningdek, ularning til tizimidagi funksional roli tahlil qilinadi. Tadqiqotda turkiy, fors, arab va hind-yevropa til an'alaridagi nomlash tizimlarini o'rganish uchun qiyosiy-tarixiy, etimologik, lingvokulturologik hamda diskursiv tahlil metodlaridan foydalanildi. Natijalar atoqli otlar nafaqat nominativ birlik, balki tarixiy xotira va etnomadaniy identifikatsiya vositasi ekanligini ko'rsatadi. Toponimlar oddiy leksikadan allaqachon chiqib ketgan qadimiy fonologik va leksik shakllarni saqlab qoladi, antroponimlar esa diniy, siyosiy va ijtimoiy-madaniy transformatsiyalarni aks ettiradi. Tadqiqot shuningdek, globallashtiruv va raqamli kommunikatsiya zamonaviy nomlash tizimlariga tobora kuchli ta'sir ko'rsatayotganini, bu esa gibridlashuv va semantik soddalashuvga olib kelayotganini ko'rsatadi. Maqola diaxron lingvistik tahlilni sotsiolingvistik va kognitiv yondashuvlar bilan integratsiyalash orqali zamonaviy onomastika nazariyasiga hissa qo'shadi. Natijalar atoqli otlar tilning barqaror subsystemasi ekanligini hamda tarixiy til bosqichlari va madaniyatlararo aloqalarni tiklash uchun muhim manba vazifasini bajarishini tasdiqlaydi.

ABOUT THE PAPER

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ANNOTATION

The study of proper names constitutes one of the most important branches of modern linguistics because names preserve historical, cultural, ethnic, and cognitive information within the language system. This article investigates the historical and etymological development of toponyms and anthroponyms and analyzes their functional role in linguistic structures. The research applies comparative-historical, etymological, linguocultural, and discourse-analytical approaches to examine naming systems in Turkic, Persian, Arabic, and Indo-European linguistic traditions. The findings demonstrate that proper names function not only as nominative markers but also as repositories of historical memory and ethnocultural identity. Toponyms preserve archaic lexical and phonological forms that disappeared from ordinary vocabulary centuries ago, while anthroponyms reflect religious, political, and sociocultural transformations. The study further reveals that globalization and digital communication increasingly influence modern naming practices, leading to hybridization and semantic simplification of proper names. The article contributes to contemporary onomastic theory by integrating diachronic linguistic analysis with sociolinguistic and cognitive perspectives. The results confirm that proper names represent a stable subsystem within language and provide valuable material for reconstructing historical language stages and intercultural interaction processes.

Introduction. Language reflects the historical development of society, culture, and collective human experience. Among all linguistic units, proper names occupy a special position because they preserve traces of ethnic migrations, political transformations, religious beliefs, and cultural interactions. Toponyms and anthroponyms are therefore not merely lexical labels but complex linguistic phenomena functioning as repositories of historical and sociocultural memory. Toponyms, or place names, preserve information about geographical conditions, settlement history, tribal relations, and linguistic contact. Anthroponyms, or personal names, reveal social hierarchies, religious identities, family traditions, and ideological transformations. Their diachronic stability makes them highly significant for historical linguistics and ethnolinguistic studies. Scholars emphasize that proper names frequently preserve archaic phonological and semantic structures lost in ordinary vocabulary. Modern onomastic studies increasingly combine linguistics with anthropology, geography, sociology, archaeology, and digital humanities. Recent research demonstrates that toponyms and anthroponyms are valuable not only for reconstructing linguistic history but also for understanding social identity formation and intercultural communication. Despite considerable research in onomastics, many studies remain descriptive and fragmented. There is still insufficient integration of historical, etymological, and systemic linguistic approaches in analyzing proper names. Furthermore, globalization and technological development are rapidly changing naming systems, requiring new interdisciplinary methodologies. This study aims to investigate the historical and etymological development of toponyms and anthroponyms and determine their role within the language system from historical, sociolinguistic, and linguocultural perspectives.

Literature review. The study of proper names (onomastics) has developed into an important interdisciplinary field within modern linguistics, combining historical linguistics, cognitive science, sociolinguistics, anthropology, and cultural studies. Early theoretical foundations were laid by Ferdinand de Saussure, who conceptualized language as a structured system of signs and emphasized the special semiotic status of proper names within the linguistic system. Although Saussure did not develop a full theory of onomastics, his distinction between signifier and signified provided a basis for later structural and functional interpretations of naming units [4, p. 67].

Otto Jespersen further contributed to the linguistic understanding of proper names by analyzing their grammatical and semantic behavior in Indo-European languages. He argued that proper names primarily function as referential units that identify unique entities rather than express general lexical meaning, thereby distinguishing them from common nouns in terms of semantic scope and communicative function [3, p. 112]. This perspective became foundational for later semantic and syntactic analyses of naming systems.

In contemporary onomastic theory, significant progress has been made through the work of Willy Van Langendonck, who proposed a cognitive-pragmatic approach to proper names. According to his theory, proper names are not merely linguistic labels but conceptual tools embedded in human cognition and social interaction. He emphasizes that naming practices reflect culturally constructed mental models and serve both referential and identity-forming functions within discourse [5, p. 54]. This approach has broadened onomastics beyond structural linguistics toward cognitive and functional paradigms.

Toponymic studies have received considerable scholarly attention due to their ability to preserve historical and cultural information encoded in geographical names. Researchers widely describe toponyms as “linguistic fossils” because they retain archaic phonological and lexical elements that have disappeared from everyday vocabulary. Christian Hough highlights that place names serve as important evidence for reconstructing historical geography, migration patterns, and cultural contact zones [2, p. 88]. In Central Asian studies, toponyms are particularly significant as they reflect multilayered linguistic influences, including Turkic, Persian, Arabic, and Russian strata shaped by centuries of political and cultural interaction. For example, historical toponyms in the region demonstrate how settlement names evolve through phonological adaptation while preserving semantic continuity across different linguistic periods [13, p. 41]. Recent developments in critical toponymy further emphasize that place names are not neutral linguistic units but are also shaped by ideology, power relations, and sociopolitical discourse, making them key elements in the study of cultural identity and spatial representation [10, p. 23].

Anthroponymic research focuses on personal names as culturally and socially meaningful linguistic units. According to A. V. Superanskaya, anthroponyms reflect not only individual identity but also broader cultural values, historical traditions, and ideological systems within a society [8, p. 76]. Studies of Turkic anthroponymy demonstrate that traditional naming practices are often semantically motivated, drawing from nature, moral qualities, physical attributes, and symbolic concepts such as strength, beauty, and protection. In Central Asian contexts, names such as Temur and Alp reflect historical ideals of courage and power, while Persian and Arabic influences introduced religious and spiritual dimensions into naming systems [14, p. 59].

The spread of Islam significantly transformed anthroponymic systems across Central Asia by introducing Arabic names associated with prophets, religious figures, and moral virtues. Names such as Muhammad, Ali, Hasan, and Husayn became widely adopted and functioned as markers of religious identity and cultural affiliation across the Islamic world [12, p. 33]. In addition, Persian literary and cultural influence contributed to the enrichment of naming traditions through mythological and poetic name structures.

Modern anthroponymic systems are increasingly influenced by globalization, digital communication, and intercultural interaction. Scholars observe a growing tendency toward hybridization, simplification, and internationalization of personal names, particularly in online environments where adaptability and global recognition are prioritized. This process reflects broader sociolinguistic changes in identity construction and linguistic globalization [6, p. 129].

Recent advances in computational linguistics and digital humanities have further expanded onomastic research. The integration of big data analytics enables large-scale examination of naming patterns across time and space. Mitzlaff and Stumme describe this emerging field as

Toponym	Origin	Historical Meaning
Samarqand	Persian	Stone fortress
Bukhara	Sogdian/Persian	Monastery
Tashkent	Turkic	Stone city

The analysis indicates that geographical names maintain semantic continuity despite phonetic transformations.

Numerous toponyms derive from tribal or ethnic identities. Historical migrations contributed significantly to the spread of ethnonymic place names. For example: Uzbek tribal names influenced regional settlements, Persian administrative terminology shaped urban names, Arabic religious terminology influenced sacred geographical sites.

The spread of Islam substantially transformed Central Asian toponymy. Arabic lexical elements entered naming systems through religious institutions, pilgrimage centers, and educational establishments.

Anthroponym	Origin	Meaning
Muhammad	Arabic	Praised
Temur	Turkic	Iron
Jamshid	Persian	Mythological king

During the Soviet period, naming systems underwent phonetic and ideological transformation. Russian suffixes and administrative standardization altered many traditional forms. Modern globalization increasingly produces: hybrid names, internationalized naming patterns, semantic simplification.

The findings indicate that proper names perform several systemic functions. Nominative Function; Proper names identify unique entities; Historical-Memory Function; Names preserve collective memory and historical continuity; Sociocultural Function; Anthroponyms and toponyms encode cultural values and identity markers; Symbolic Function; Names frequently function as symbols of ideology, ethnicity, or religion;

“Onomastics 2.0,” highlighting the importance of social media and digital corpora in analyzing contemporary naming practices [9, p. 47]. Similarly, computational approaches allow researchers to identify semantic trends, frequency shifts, and sociocultural patterns in both toponymic and anthroponymic systems, offering new methodological possibilities for historical and synchronic analysis [11, p. 22].

Despite significant progress in the field, existing literature reveals several gaps. Most studies tend to focus separately on either toponyms or anthroponyms, with limited attempts to integrate them into a unified systemic framework. Furthermore, the combination of historical, etymological, and sociolinguistic perspectives remains underdeveloped, particularly in relation to Central Asian linguistic materials. There is also a need for more interdisciplinary approaches that incorporate cognitive linguistics and digital methodologies to better understand the dynamic evolution of naming systems in the context of globalization.

Overall, the literature demonstrates that proper names constitute a stable yet dynamically evolving subsystem of language that encodes historical memory, cultural identity, and sociolinguistic transformation.

Methodology. The study adopts a qualitative comparative-historical research design, integrating approaches from historical linguistics, etymology, and sociolinguistics to examine the diachronic development of proper names across different linguistic traditions.

Data were collected from a wide range of sources, including historical manuscripts, etymological dictionaries, regional linguistic corpora, archival geographical records, and contemporary digital naming databases. The research focuses specifically on Turkic toponyms, Persian and Arabic anthroponyms, Central Asian naming systems, and selected Indo-European examples.

The primary research method is comparative-historical analysis, which is used to reconstruct historical transformations of proper names and to identify linguistic continuity across different time periods. The morphological and semantic structures of names are analyzed to determine their lexical origins and semantic changes, as well as to explore how cultural values, religious traditions, and ethnic identities are encoded within naming systems. In addition, contemporary uses of proper names in digital communication and sociopolitical discourse are considered to identify ongoing linguistic transformations.

The reliability and validity of the study are ensured through cross-source comparison, triangulation of historical data, and comparative linguistic verification.

Results. The findings demonstrate that toponyms emerge through interaction between geography, society, and language. Most historical place names originate from: natural landscape features, tribal names, occupations, religious concepts, administrative systems.

Hydronyms and mountain names preserve some of the oldest linguistic elements. Many Central Asian hydronyms retain ancient Turkic roots associated with water and natural movement. For example:

Later colonial and Soviet administrative reforms introduced Russian phonological adaptations into regional place names.

Early anthroponyms were primarily descriptive and associated with: physical appearance, strength, animals, natural elements, spiritual protection. Examples include names symbolizing courage, prosperity, or longevity.

Religious transformations significantly affected anthroponymic systems. Islamic expansion introduced Arabic names associated with prophets, virtues, and spirituality. Examples:

Cognitive Function; Proper names contribute to conceptual mapping within linguistic cognition.

Discussion. The findings of this study confirm that proper names represent a highly stable subsystem within the language system, showing considerably greater resistance to diachronic change compared to common lexical units. This stability is one of the key reasons why toponyms and anthroponyms are regarded as valuable linguistic evidence in historical reconstruction and ethnohistorical research. Unlike ordinary vocabulary, which tends to undergo frequent semantic and phonological shifts, proper names often preserve archaic linguistic forms, making them reliable indicators of earlier stages of language development.

The results are consistent with contemporary onomastic theories that emphasize the sociocultural and cognitive significance of naming systems. Proper names are not merely referential linguistic units; rather, they function as complex cultural markers embedded in historical memory. In this sense, they can be interpreted as “linguistic archives” that preserve traces of migration processes, territorial expansion, religious transformations, and political ideologies. Each layer of a naming system reflects a specific historical period, allowing researchers to reconstruct sociohistorical contexts through linguistic analysis.

The study also demonstrates that both anthroponymic and toponymic systems serve as important indicators of intercultural communication and language contact. In the Central Asian context, the coexistence of Turkic, Persian, Arabic, and Russian linguistic layers within naming traditions clearly illustrates centuries of cultural interaction and multilingual influence. These layered structures show how different civilizations have contributed to the formation of a complex and hybrid onomastic system, where phonological adaptation and semantic continuity coexist.

Furthermore, the research highlights the growing impact of globalization and digital communication on modern naming practices. Contemporary naming systems increasingly tend toward simplification, standardization, and internationalization. In digital environments such as social media and global communication platforms, shorter and more universally recognizable names are often preferred, leading to a reduction in traditional semantic richness and cultural specificity. This process reflects broader sociolinguistic changes associated with global linguistic convergence.

In addition, recent developments in computational linguistics and digital humanities have significantly expanded the methodological possibilities of onomastic research. Computational onomastics, supported by big data analysis, enables large-scale investigation of naming patterns, frequency distributions, and sociocultural trends across different historical and geographic contexts. This digital approach allows researchers to identify hidden correlations between naming practices and social dynamics that would be difficult to detect through traditional qualitative methods.

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The theoretical implications of this study are multifaceted. First, it contributes to the expansion of historical linguistics by demonstrating how onomastic data can be used for linguistic reconstruction. Second, it supports the integration of sociolinguistic identity theory into the analysis of naming systems, emphasizing the role of names in identity formation and cultural representation. Third, it highlights the importance of developing digital and computational approaches for the study of onomastics in the context of rapidly evolving linguistic environments.

From a practical perspective, the findings have significant applications in several fields. They contribute to the preservation of cultural and linguistic heritage by documenting historical naming systems. They are also relevant for geographic information systems (GIS), where accurate interpretation of place names is essential for spatial analysis. Moreover, the study supports corpus linguistics and digital humanities research by providing methodological insights into the structured analysis of large-scale linguistic data.

Conclusion. This study investigated the historical and etymological development of toponyms and anthroponyms and analyzed their role within the language system. The findings demonstrate that proper names are not merely nominative labels but complex linguistic structures preserving historical, cultural, and cognitive information. Toponyms preserve ancient geographical and ethnocultural memory, while anthroponyms reflect social ideology, religion, and identity formation. Their remarkable diachronic stability makes them valuable resources for reconstructing historical linguistic processes. The study further confirms that proper names perform multiple functions within language: nominative, symbolic, sociocultural, cognitive, historical. Globalization and digital communication increasingly influence naming systems, producing hybridization and semantic simplification. Future research should therefore focus on: corpus-based digital onomastics, AI-assisted linguistic mapping, computational analysis of naming systems, globalization and identity transformation. The integration of historical linguistics, sociolinguistics, and digital humanities will significantly advance modern onomastic research.