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THE ROLE OF STYLISTICS IN FORENSIC LINGUISTICS: IDENTIFYING AUTHORIAL VOICE AND TEXT AUTHENTICITY

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Abstract

This paper examines the role of stylistics in forensic linguistics, particularly its application in identifying authorial voice and establishing text authenticity. Stylistics provides essential tools for analyzing lexical choice, syntactic structures, pragmatic markers, and discourse patterns, which together reveal the distinctive linguistic identity of a writer. In forensic practice, such features are crucial in authorship attribution, plagiarism detection, and the verification of disputed or anonymous documents. The study emphasizes how stylistic markers function as both qualitative and quantitative evidence, offering a linguistic basis for expert conclusions. It further highlights the challenges of variability, intentional disguise, and limited text samples, proposing an integrative approach that combines corpus-based analysis with pragmatic interpretation. Ultimately, forensic stylistics strengthens legal processes by ensuring that judgments concerning authorship and authenticity rest on scientifically informed, transparent linguistic analysis rather than subjective impressions.

Keywords: Stylistics, forensic linguistics, authorship, authenticity, discourse, pragmatics, expertise.

Introduction

Forensic linguistics has developed into a significant interdisciplinary field, bringing together insights from linguistics, law, psychology, and communication studies to address complex problems of language use in legal contexts. Within this domain, forensic stylistics plays a particularly important role because it

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focuses on how language style can reveal the authorial voice and authenticate disputed texts. Stylistics, traditionally concerned with analyzing the expressive and structural properties of language, extends its scope in forensic practice by applying linguistic tools to determine authorship, detect plagiarism, and verify the integrity of documents used in judicial proceedings. The identification of authorial voice relies on the assumption that individuals display consistent linguistic habits, manifested in their lexical choices, syntactic structures, discourse organization, and pragmatic markers.

These features, although sometimes subtle, form distinctive stylistic patterns that can be measured, compared, and interpreted. In authorship attribution cases, experts analyze both questioned and known texts, searching for recurrent markers that can indicate common authorship[1]. Similarly, text authenticity analysis investigates whether a document has been altered, fabricated, or produced by multiple authors, relying on stylistic consistency as a diagnostic tool. However, applying stylistic analysis in forensic contexts is not without challenges. Variability of style across genres, deliberate attempts to disguise authorship, and limited text samples can complicate the reliability of conclusions. To address these issues, forensic stylistics increasingly adopts integrative methodologies, combining quantitative corpus-based techniques with qualitative discourse analysis. This ensures that findings are both empirically grounded and contextually interpreted.

Ultimately, stylistics enhances forensic linguistics by offering systematic methods for identifying authorial voice and establishing text authenticity. Its contribution is crucial not only for providing objective linguistic evidence but also for strengthening the fairness and transparency of legal processes where language forms the basis of critical decisions[2]. The role of stylistics in forensic linguistics has expanded significantly as courts and investigative agencies increasingly recognize language as evidence that can shape legal outcomes. Stylistics provides a methodological framework for analyzing the authorial voice and verifying text authenticity, both of which are crucial in contexts such as

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[1] Crystal, D. (2003). A Dictionary of Linguistics and Phonetics (5th ed.). Oxford: Blackwell. pp. 211–229.
[2] Gibbons, J. (2003). Forensic Linguistics: An Introduction to Language in the Justice System. Oxford: Blackwell Publishing. pp. 77–115.

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disputed authorship, anonymous threats, plagiarism cases, and the evaluation of official documents. The central premise is that while language is a social phenomenon, each individual demonstrates recurring stylistic tendencies that, when systematically analyzed, can serve as linguistic evidence. Authorial voice is one of the key constructs in forensic stylistics. It refers to the distinctive linguistic identity that emerges from a person's choice of vocabulary, syntactic structures, cohesive devices, pragmatic markers, and rhetorical strategies[3]. Just as fingerprints or handwriting carry unique characteristics, linguistic habits can reveal individuality.

Forensic experts assess questioned documents against known samples, searching for overlapping patterns that point to the same author. For example, a suspect's frequent use of unusual collocations, preference for compound sentences, or distinctive punctuation habits may provide persuasive evidence in authorship attribution. Importantly, the analysis goes beyond superficial vocabulary to uncover deeper stylistic markers that are less consciously controlled and therefore harder to disguise. The determination of text authenticity is another major application. Courts often face documents of uncertain origin, ranging from anonymous letters to potentially fabricated contracts. In such cases, stylistics helps verify whether a text is genuine, altered, or produced by multiple authors. Stylistic consistency across sections of a document supports claims of authenticity, whereas abrupt shifts in sentence structure, register, or lexical choice may signal tampering[4].

Forensic stylisticians can also detect interpolations or insertions by comparing stylistic features of disputed passages with the rest of the text. This methodology strengthens judicial confidence by demonstrating that conclusions are grounded in observable linguistic evidence rather than subjective interpretation. Methodologically, forensic stylistics employs both quantitative and qualitative approaches. Quantitative methods, often referred to as stylometry, focus on statistical profiling of language use. Analysts examine frequencies of function words, sentence length distributions, or type-token ratios, building statistical

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[3] Tiersma, P. M. (1999). Legal Language. Chicago: University of Chicago Press. pp. 145–180.
[4] Kniffka, H. (2007). Working in Forensic Linguistics. Tübingen: Gunter Narr Verlag. pp. 55–97.

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profiles that can be compared across texts. These measures provide objective indicators of similarity or difference and can be presented as probability-based evidence. For instance, corpus-based software allows analysts to detect subtle distributional tendencies invisible to casual readers. Such findings are particularly useful in large-scale authorship disputes or when examining digital communications that contain numerous but short messages.

Qualitative approaches, by contrast, delve into the interpretive aspects of style, analyzing discourse organization, pragmatic functions, and rhetorical strategies[5]. This includes examining how politeness markers, modal verbs, or cohesive devices are employed to achieve communicative goals. While quantitative findings establish measurable tendencies, qualitative interpretation explains their contextual meaning. Forensic stylistics increasingly integrates these approaches, recognizing that numerical data without interpretation may be misleading, while interpretation without quantitative support may be criticized as subjective. The combination ensures methodological robustness, allowing conclusions to withstand legal scrutiny. Practical applications demonstrate the forensic relevance of stylistics. In plagiarism detection, stylistic analysis identifies not only verbatim copying but also disguised plagiarism where surface wording has been altered. Even when synonyms replace original terms, stylistic markers such as rhetorical structure or sentence rhythm may betray the source.

In criminal investigations, threatening communications often contain stylistic cues emotional intensity, metaphorical language, or idiosyncratic spelling that provide insight into the author's identity and intent[6]. Courts have also relied on stylistic analysis to evaluate confessions, distinguishing between genuine statements and those influenced by external pressures. In each case, stylistics contributes both to the interpretation of linguistic evidence and to the fairness of judicial decisions. Nevertheless, the field faces important challenges. One issue is the natural variability of style. A single author may produce very different stylistic outputs depending on genre, audience, or communicative purpose. For example, a suspect's academic writing may differ significantly from informal text

[5] Komter, M. (2019). Language and Law: A Sociological Perspective. Cambridge: Cambridge University Press. pp. 101–137.
[6] Olsson, J., & Luchjenbroers, J. (2014). Forensic Linguistics (2nd ed.). London: Bloomsbury. pp. 89–120.

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messages. Analysts must therefore gather sufficiently diverse samples to establish representative patterns. Another challenge is deliberate disguise. Writers attempting to conceal their identity may alter vocabulary or imitate another person's style.

However, deeper markers such as habitual syntactic structures are more difficult to suppress, and skilled analysts can still detect traces of individuality. Short text length poses an additional limitation. Threatening notes or text messages often contain very few words, making stylistic comparison difficult. In such cases, conclusions must be presented cautiously, often in conjunction with non-linguistic evidence. Finally, qualitative analysis has been criticized for subjectivity. To maintain credibility in court, experts must ensure transparency, replicability, and methodological rigor in their analyses. The interdisciplinary nature of forensic stylistics enhances its strength. Insights from corpus linguistics provide tools for large-scale quantitative analysis, while discourse analysis and pragmatics illuminate the social and functional aspects of language. Psychology contributes to understanding how cognitive processes shape stylistic habits, offering explanations for why certain patterns persist unconsciously[7]. By drawing from these disciplines, forensic stylistics develops a robust methodological toolkit that addresses both the scientific and legal demands of expertise.
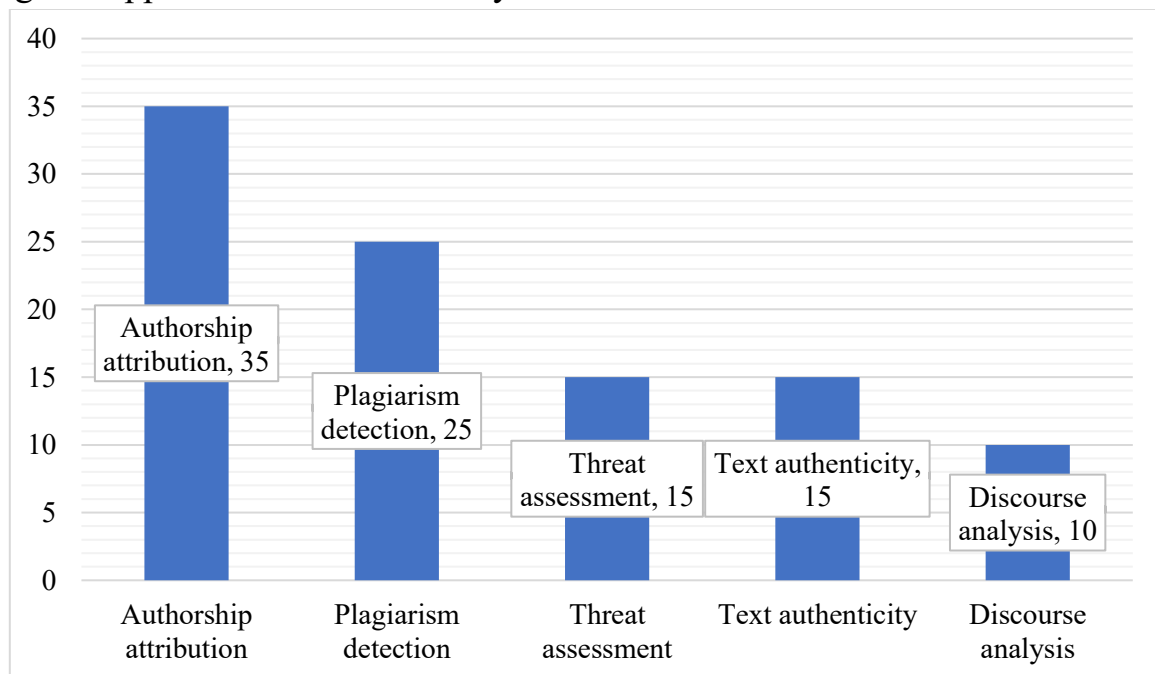
The contribution of stylistics to legal practice is far-reaching. It transforms language from a medium of communication into a source of empirical evidence. Unlike subjective impressions or lay observations, stylistically informed analysis is systematic, transparent, and replicable. This ensures that courts can rely on linguistic evidence with greater confidence, reducing the risk of wrongful attribution and supporting fairer outcomes. The identification of authorial voice and verification of authenticity not only resolves specific disputes but also strengthens the legitimacy of forensic linguistics as a discipline. By demonstrating how linguistic theory can be applied to real-world problems, forensic stylistics bridges academic knowledge and societal needs. Moreover, stylistics in forensic linguistics plays a vital role in identifying authorial voice and

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[7] Coulthard, M., Johnson, A., & Wright, D. (2017). An Introduction to Forensic Linguistics: Language in Evidence (2nd ed.). London: Routledge. pp. 133–162.

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establishing text authenticity. Through the analysis of lexical choice, syntactic structure, pragmatic markers, and discourse organization, experts provide courts with objective and context-sensitive evidence. While challenges such as variability and disguise remain, the integration of quantitative and qualitative methodologies ensures reliability. Forensic stylistics thus stands as an essential tool in legal contexts, ensuring that judgments about authorship and authenticity are linguistically grounded, scientifically credible, and practically effective.

Figure. Applications of forensic stylistics.

The bar graph highlights the main applications of forensic stylistics. Authorship attribution (35%) is the most significant, as courts frequently rely on linguistic markers to link texts to individuals. Plagiarism detection (25%) follows, showing the role of stylistics in academic and professional integrity. Threat assessment (15%) and text authenticity (15%) reflect its contribution to criminal investigations and document verification. Discourse analysis (10%), though smaller, enhances contextual interpretation. These proportions demonstrate how forensic stylistics provides a versatile toolkit for addressing varied legal challenges.

Conclusion

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Forensic stylistics plays a pivotal role in bridging language analysis with legal practice, offering reliable methods for authorship attribution, plagiarism detection, threat assessment, and text authenticity verification. By examining lexical, syntactic, pragmatic, and discourse features, experts uncover linguistic patterns that strengthen judicial decision-making. While challenges such as stylistic variability, text brevity, or deliberate disguise remain, the integration of quantitative and qualitative approaches enhances accuracy. Ultimately, stylistics ensures that linguistic evidence is assessed with scientific rigor, contributing to justice, transparency, and fairness in legal processes.

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