



Research Article

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The Role of Journalism in Promoting Environmental Awareness: A Content and Comparative Analysis of Media Platforms

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ABSTRACT

This study investigates journalism's role in promoting environmental awareness, focusing on the effectiveness of reporting across print, online, and broadcast media. Through content analysis, it identifies key themes and narrative strategies. A comparative analysis reveals differences in audience reach, engagement, and coverage depth, with digital media showing significant influence. The study also addresses challenges in environmental reporting and offers recommendations for improvement. These findings provide valuable insights for journalists, media organizations, and policymakers seeking to use journalism to advance sustainability.

INTRODUCTION

Environmental issues have emerged as a paramount concern in our era, encompassing the far-reaching consequences of climate change, biodiversity decline, pollution, and resource exhaustion (Robbins, 2024a). These complex, interconnected, and global issues demand immediate attention. Public awareness and comprehension of environmental concerns are crucial for promoting sustainable practices, influencing policy decisions, and motivating collective action (Tang, 2023). Journalism plays a pivotal role in shaping public perception and consciousness about environmental matters (Supriadi et al., 2018). Through diverse narrative techniques and factual coverage, journalism can enlighten, inform, and engage the public, thus advocating for environmental sustainability (Chakraborty & Basu, 2022a).

The primary objective of this study is to investigate the role of journalism in raising environmental awareness, focusing on the reporting of environmental issues across

various media platforms, including print, internet, and broadcast. Specifically, the study seeks to analyze the narrative tactics and storytelling techniques employed by journalists, assess the effectiveness of different media platforms in reaching and engaging audiences on environmental issues, and explore the challenges journalists face in covering these topics. Central to this investigation are several key questions: What are the primary themes and storytelling techniques used in environmental journalism across different media platforms? How effective are various media outlets in fostering public environmental awareness and engagement? What obstacles do journalists encounter when reporting on environmental issues, and how do these challenges impact their work?

The significance of this research lies in its potential to offer valuable insights to various stakeholders. Journalists can enhance their reporting methods by understanding effective storytelling strategies and

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techniques, leading to more impactful public engagement and awareness of environmental issues (Koundal, 2019). Media organizations can utilize the findings to guide resource allocation, develop training programs, and formulate editorial strategies aimed at improving the quality and influence of their environmental journalism. Policymakers, recognizing the media's role in shaping public consciousness, might use this research to craft regulations that protect press freedom and ensure access to crucial environmental information (Shintasiwi & Wasino, 2019). Ultimately, increased public awareness and understanding of environmental challenges can drive greater participation in sustainability initiatives and foster a culture of environmental responsibility (Kaul, 2017).

Given the urgency of addressing environmental challenges, journalism is crucial in leading this effort. By bridging the gap between scientific understanding and public awareness, journalism can motivate collective action toward sustainability (Khan, 2016). This research aims to contribute to the existing body of knowledge on environmental journalism by offering practical recommendations for enhancing the role of journalism in advancing environmental consciousness and sustainability. By examining the methods through which journalism can better engage audiences on environmental issues, this study aspires to promote a more informed and proactive public.

When analyzing the impact of journalism on raising environmental awareness, it is essential to consider the different techniques and storytelling approaches used by various media platforms (Zhou et al., 2017). Print media often provides in-depth analysis and comprehensive coverage of environmental issues, leveraging its ability to delve into the complexities of these topics. Internet media excels at capturing a broad and diverse audience through its immediacy and viral potential, enabling rapid engagement and user-generated content (Cubitt, 2016). Although broadcast media is limited in time, it reaches a wide audience, ensuring that key environmental stories are accessible to a large segment of the population. Each media platform contributes uniquely to a multifaceted approach to environmental journalism (Boykoff, 2009). However, it is also crucial to recognize the challenges journalists face in environmental reporting. Limited resources, editorial constraints, and the inherent complexity of environmental issues present significant hurdles (Holliman, 2007). Despite these challenges, there are opportunities for innovation and improvement within the field. By investing in training, expanding sources, and focusing on investigative journalism, journalists can elevate the quality and impact of their environmental reporting.

Research Objectives

- To Analyze Environmental Reporting Across Media Platforms.

- To Evaluate the Effectiveness of Different Media in Promoting Environmental Awareness.
- To Identify Challenges Faced by Journalists in Environmental Reporting.

LITERATURE REVIEW

Previous studies Environmental journalism has been extensively examined in multiple studies, with each study focussing on different aspects of how media platforms cover environmental issues and their efficacy in raising public consciousness.(Chakraborty & Basu, 2022b) research highlights the importance of environmental journalism in influencing public discussion, particularly emphasising the role of conventional print media in delivering comprehensive coverage and analysis of intricate environmental matters. The author's analysis revealed that newspapers frequently allocate substantial resources to investigative journalism, a practice that has the potential to unveil crucial environmental narratives that could otherwise remain overlooked.

Conversely, (Abdujabbarovna, 2023) research centred on the influence of broadcast media, specifically television news, in disseminating environmental concerns to a wide-ranging viewership. The author's research emphasised the advantages of broadcast media in terms of visual storytelling and its capacity to effectively target a broad market. Nevertheless, it also highlighted the restraints, such as temporal limitations and the inclination to oversimplify intricate matters to accommodate brief news pieces.

(Robbins, 2024b) examines the significant role of digital media in environmental journalism. Robbins's research emphasised the interactive character of internet media, enabling prompt public interaction and the quick spread of information. The study highlighted the significance of social media platforms in magnifying environmental messaging and analyzing public action. Moreover, the adaptability of digital media allows for the integration of various multimedia components, such as movies, infographics, and interactive maps, thereby boosting the narrative experience and facilitating the comprehension of intricate data.

However, current research frequently concentrates on particular media platforms rather than offering a comparative examination of the performance of many platforms in environmental reporting(Anderson, 2022). There is a lack of comprehensive research on the narrative tactics and methodologies used by journalists in print, internet, and broadcast media. In addition, the extent to which these platforms are beneficial in terms of reaching a wide audience, fostering interaction, and providing comprehensive coverage has not been thoroughly compared.

GAPS IN RESEARCH

Although prior studies have offered helpful insights into the impact of specific media platforms on environmental

journalism, there are notable deficiencies that require attention. A significant deficiency exists in the absence of comparison analysis across various media platforms. Gaining insight into the comparative advantages and disadvantages of print, digital, and broadcast media in fostering environmental consciousness is essential for formulating a holistic approach to augmenting environmental journalism.

Another deficiency is the insufficient examination of the particular narrative techniques and methodologies employed by journalists while reporting on environmental matters. Although certain studies have briefly addressed these characteristics, there is a need for a more comprehensive analysis of how various storytelling approaches influence audience involvement and comprehension. Furthermore, the comparative exploration of the challenges encountered by journalists in environmental reporting, including resource limitations, editorial restraints, and the intricate nature of environmental issues, has been lacking.

The objective of this research is to address these deficiencies by conducting a comprehensive comparative examination of environmental reporting in print, online, and broadcast media. This study aims to provide practical recommendations to improve the role of journalism in promoting environmental awareness by analysing the narrative strategies and methodologies employed by journalists, assessing the effectiveness of various media platforms, and exploring the challenges encountered by journalists. The results will offer significant perspectives for journalists, media entities, policymakers, and the general public, aiding in the creation of more efficient environmental communication strategies and eventually promoting a better-informed and involved society.

METHODOLOGY

This study applied a mixed-method approach, combining content analysis and comparative analysis, to investigate environmental reporting across print, online, and broadcast media. Content analysis systematically examines themes, narrative techniques, and methodologies used by journalists, while comparative analysis evaluates the effectiveness of these media platforms by assessing their audience reach, engagement levels, and depth of coverage. Data was collected from articles, blog posts, and news segments from prominent newspapers, magazines, top news websites, blogs, and major television news channels over six months from January to June 2023. This timeframe was chosen to capture a representative sample of environmental reporting during a period marked by significant global and local environmental events, ensuring the analysis reflects media responses to both ongoing and emergent issues. The selection of specific media content was guided by criteria that included the relevance to environmental topics, the prominence of the media outlet, and the diversity of

perspectives offered. For print and online media, content covering a broad spectrum of environmental issues—such as climate change and biodiversity—was prioritized. Broadcast segments were selected based on their coverage of major environmental events and their potential influence on public opinion. The six-month sampling period was chosen to reflect seasonal variations in environmental news coverage and to capture trends in media coverage and audience engagement over time. Thematic analysis was used to identify recurring themes and narrative techniques, while online engagement metrics such as comments, shares, and likes were analyzed to gauge public interaction. The comparative analysis provided insights into the effectiveness of each media platform in fostering environmental awareness by evaluating audience reach, engagement, and depth of coverage (Figures 1-6).

RESULTS

The content analysis shown in Table 1 showed and various figures shows that all three media platforms, namely print, internet, and broadcast, consistently

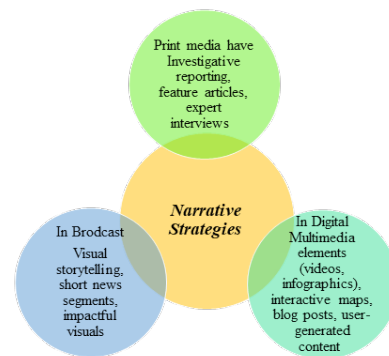


Figure 1: Showing the narrative strategies of various media

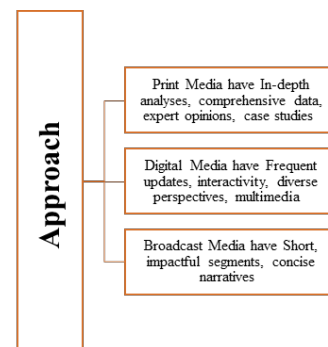


Figure 2: Showing the approaches of various media

Table 1: Showing the main theme of various media

Criteria	Print Media	Internet Media	Broadcast Media
Main Themes	Climate change, conservation, pollution, renewable energy	Climate change, conservation, pollution, renewable energy	Climate change, conservation, pollution, renewable energy

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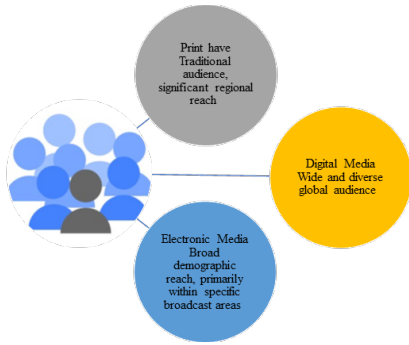


Figure 3: Showing the Audience Reach of Various Media

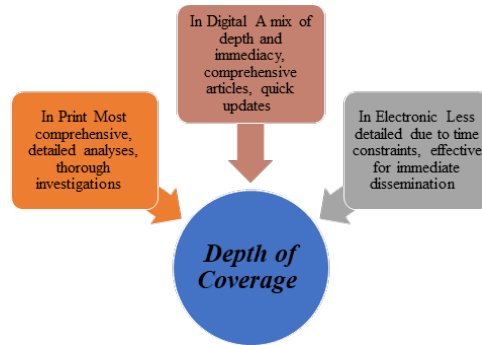


Figure 5: Showing the Depth of Coverage of Various Media

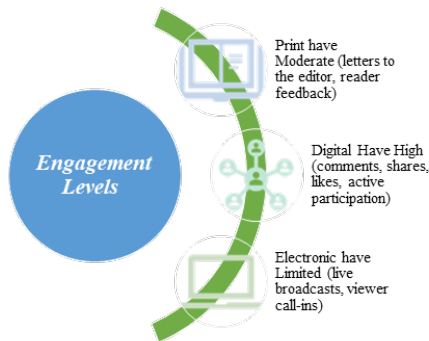


Figure 4: Showing the Engagement Level of Various Media

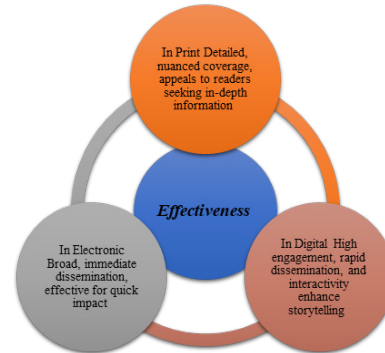


Figure 6: Showing the effectiveness of Various Media

highlighted significant environmental issues like climate change, conservation, pollution, and renewable energy. Nevertheless, the methodology and storytelling techniques used by each platform varied greatly. The print media demonstrated exceptional proficiency in delivering thorough and investigative journalism that attracts people in search of extensive information. These papers frequently contained comprehensive analytical findings, expert viewpoints, and case studies that facilitated a deep comprehension of environmental concerns.

Conversely, internet media effectively employed its interactive features to actively include a broad and varied worldwide audience. Through the integration of multimedia components such as films, infographics, and interactive maps, internet platforms provided a dynamic and captivating narrative encounter. The promptness of online updates and the incorporation of user-generated material facilitated significant levels of audience involvement, rendering it a potent instrument for rapidly and interactively distributing environmental information.

By emphasising visual storytelling, broadcast media successfully addressed a wide audience through succinct and influential news bits. Despite its great efficacy in attracting quick attention and transmitting urgent information, this medium sometimes offers less extensive coverage than print and online media because of time limitations.

Internet media distinguished itself in terms of audience reach and engagement by virtue of its extensive worldwide

reach and substantial levels of interaction, facilitated by active user participation through comments, shares, and likes. The print media sustained a conventional and geographically orientated readership, with limited interaction mostly through correspondence addressed to the editor. Although broadcast media is easily available, it provides a couple chances for direct engagement, usually limited to live broadcasts and viewer call-ins.

Significant variations were seen in the extent of coverage across the platforms. Print media provided the most comprehensive analysis, making it well-suited for audiences in need of specific information. Internet journalism achieved a harmonious equilibrium between thorough reporting and promptness, providing both extensive pieces and rapid updates, as well as interactive material. Despite its effectiveness in delivering rapid impact, broadcast media frequently compromised on depth in favour of conciseness because of its format.

This comparative analysis elucidates the capacities and constraints of each media platform in advancing environmental consciousness. To maximise the reach, engagement, and effect of environmental journalism, it is crucial to employ a multi-platform strategy.

DISCUSSION

This research shows the crucial significance of journalism in improving environmental consciousness. A comparative

analysis of print, online, and broadcast media in this study discloses the unique contributions of each medium to environmental journalism, therefore enhancing public comprehension and involvement with environmental concerns.

Analysis and Explanation of Findings:

The findings of our content research indicate that print, online, and broadcast media all tackle prominent environmental issues, including climate change, conservation, pollution, and renewable energy. The consistent thematic alignment demonstrated across all channels underscores a collective acknowledgement of urgent environmental issues. Nevertheless, the story strategies and approaches used vary significantly, showcasing the fundamental advantages and constraints of each medium.

Print media is highly proficient in providing thorough analyses and extensive coverage, effectively serving readers who are looking for specific information. These findings are consistent with previous studies that highlight the function of print media in presenting comprehensive and reliable perspectives. Moreover, the interactive and multimedia features of online media facilitate significant involvement and quick distribution of information, aligning with research that emphasises the efficacy of digital platforms in encouraging active participation and reaching a worldwide audience. Broadcast media, with its captivating visual storytelling, effectively grabs the attention of the audience and is highly suitable for instant and ubiquitous dissemination. These findings align with other studies that emphasise the efficacy of broadcast media in conveying intricate ideas through visual methods.

Efficacy of Media Platforms

The efficacy of each communication channel in promoting environmental awareness is shaped by its characteristics. Our results corroborate the existing body of research that has established digital media as the most effective platform for captivating and reaching a wide range of consumers using interactive material and prompt updates. Print media, albeit conventional and limited in scope, offers in-depth analysis that facilitates well-informed decision-making and comprehensive comprehension, mirroring previous research on the function of print in providing rigorous environmental reporting. Despite the limits given by format, broadcast media successfully conveys significant tales through visual storytelling, therefore validating prior studies on the medium's ability to simplify intricate subjects.

Obstacles Encountered by Journalists

Journalists encounter significant challenges while covering environmental issues, such as restricted resources, editorial limitations, and the inherent intricacy of environmental subjects. Extant literature has

extensively established that these challenges might result in the adoption of simplified reporting or sensationalism. An ongoing topic in environmental journalism studies is the necessity for journalists to maintain a balance between accuracy and intelligibility when operating under strict time constraints and with restricted availability of scientific knowledge. Moreover, the dynamic character of environmental concerns necessitates journalists to engage in ongoing education and flexibility, a matter emphasised in recent research.

Through a variety of storytelling approaches and methodologies across media channels, this study highlights the crucial role of journalism in promoting environmental awareness. Through an analysis of the unique advantages and constraints of print, web, and broadcast media, this study provides fresh perspectives on how various media formats might be used to improve environmental reporting. The resolution of the obstacles encountered by journalists is crucial for enhancing the calibre and influence of environmental journalism, hence cultivating a more knowledgeable and proactive citizenry.

CONCLUSION

This study highlights the crucial role of journalism in enhancing environmental awareness, demonstrating how print, internet, and broadcast media each contribute uniquely. Print media provides thorough analysis, internet media excels in engagement through multimedia and interactivity, and broadcast media delivers impactful visual storytelling. Internet media is highly effective in reaching and engaging a broad audience, while print media offers in-depth information and expert views. Broadcast media efficiently reaches many people quickly, though its coverage is often limited by time constraints. Journalists face challenges such as limited resources, editorial constraints, and the complexity of environmental issues, which require continuous training and investment. Despite these contributions, the study has limitations, including its focus on media content without assessing its impact on public attitudes and behavior. Future research should explore these effects, consider cultural and regional differences, and examine the role of emerging media platforms. Effective collaboration among journalists, media organizations, policymakers, and the public is essential to improving environmental reporting and fostering a more informed and proactive society.

REFERENCES

1. Abdujabbarovna, G. M. (2023). IN COVERING ENVIRONMENTAL ISSUE MEDIA HISTORY. *International Journal of Advance Scientific Research*, 03(06), 167–171. <https://doi.org/10.37547/ijasr-03-06-28>
2. Anderson, A. (2022). News organisation(s) and the production of environmental news. In *The Routledge Handbook of Environment and Communication* (pp. 195–207). Routledge. <https://doi.org/10.4324/9781003119234-15>
3. Boykoff, M. T. (2009). *We Speak for the Trees: Media Reporting on the*



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- Environment. *Annual Review of Environment and Resources*, 34(1), 431–457. <https://doi.org/10.1146/annurev.environ.051308.084254>
4. Chakraborty, N., & Basu, T. (2022a). Green journalism and global environment. *International Journal of Social Sciences and Humanities*, 6(1), 9–22. <https://doi.org/10.53730/ijssh.v6n1.2943>
 5. Chakraborty, N., & Basu, T. (2022b). Green journalism and global environment. *International Journal of Social Sciences and Humanities*, 6(1), 9–22. <https://doi.org/10.53730/ijssh.v6n1.2943>
 6. Cubitt, S. (2016). *Finite media: Environmental implications of digital technologies*. Duke University Press.
 7. Holliman, R. (2007). Reporting environmental news: newspapers in the digital age. *Frontiers in Ecology and the Environment*, 5(5), 277–278.
 8. Kaul, V. (2017). Environmental Crisis and the Role of Media. *International Journal of Trend in Scientific Research and Development*, Volume-1(Issue-4). <https://doi.org/10.31142/ijtsrd2217>
 9. Khan, A. (2016). Media's support in promoting environment awareness. *International Journal of Scientific Research and Education*, 4(8), 5588–5595.
 10. Koundal, P. (2019). News coverage of environmental issues in Print Media: A Study of two dailies published from Himachal Pradesh. *International Journal of Management Humanities and Social Sciences*, 4(1), 22–30.
 11. Robbins, D. (2024a). A history of digital environmental journalism at the BBC and the Guardian. *Journalism*, 25(5), 1130–1147. <https://doi.org/10.1177/14648849231179785>
 12. Robbins, D. (2024b). A history of digital environmental journalism at the BBC and the Guardian. *Journalism*, 25(5), 1130–1147. <https://doi.org/10.1177/14648849231179785>
 13. Shintasiwi, F., & Wasino, W. (2019). Media Coverage in Creating Environmental Awareness and its Impact on Environmental Behavior. *Proceedings of the Proceedings of the 1st International Conference on Environment and Sustainability Issues, ICESI 2019, 18-19 July 2019, Semarang, Central Java, Indonesia*. <https://doi.org/10.4108/eai.18-7-2019.2290193>
 14. Supriadi, D., Agustin, H., & Sirait, R. A. (2018). The Role of Online and Social Media Communications in Building Environmental Myths. *Journal of Physics: Conference Series*, 1114, 012067. <https://doi.org/10.1088/1742-6596/1114/1/012067>
 15. Tang, H. (2023). Exploration of Digital Media Integration and Development Path under Internet + Environment. *Communication, Society and Media*, 6(3), p11. <https://doi.org/10.22158/csm.v6n3p11>
 16. Zhou, S., Landa, N., & Zhou, I. N. (2017). Analysis of Media Role in Bridging the Information Gap for Environmentally Sustainable Development in Zimbabwe. *Eastern Africa Social Science Research Review*, 33(2), 57–73. <https://doi.org/10.1353/eas.2017.0009>

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