Research Article

The Impact of Animated Advertisements on Consumer Engagement in the Digital Age

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ARTICLE INFO	ABSTRACT
	The rise of digital marketing has led businesses to adopt innovative strategies to capture consumer attention. Animated advertisements have emerged as a powerful tool, leveraging dynamic visuals, engaging storylines, and emotional resonance to enhance consumer engagement. This paper explores the effectiveness of animated advertisements in boosting brand recall, fostering emotional connections, and influencing purchasing decisions in the digital age. Drawing on case studies and research findings, the study highlights how animation appeals to both cognitive and emotional processes, strengthening consumer attachment and loyalty. Animated advertisements are particularly successful on digital platforms such as social media, streaming services, and websites, where captivating content is crucial for audience retention. However, challenges such as perceived credibility issues, cultural alignment, and production costs can limit the universal applicability of animated ads. By balancing creativity with clear messaging, businesses can harness animation to drive engagement, enhance brand awareness, and increase sales. **Keywords:** Animated Advertisements, Brand Recall, Consumer Engagement, Digital Marketing, Emotional Appeal

1. INTRODUCTION

In the digital age, marketing strategies have rapidly evolved, with businesses adopting innovative methods to connect with consumers. One method gaining significant traction is the use of animated advertisements. These dynamic, visually compelling ads leverage animation to capture attention and convey messages more effectively than traditional static ads. With their vibrant colours, captivating visuals, and engaging storylines, animated ads are highly effective in engaging modern consumers, who are constantly bombarded with digital stimuli. As consumers increasingly turn to digital platforms, the need for ads that stand out and resonate with audiences is more crucial than ever. Animation's unique ability to evoke emotions, simplify complex ideas, and entertain has made it a powerful tool in digital marketing.

The growth of digital media, particularly social media, streaming platforms, and websites has transformed how businesses engage with consumers. Digital platforms enable more personalized, interactive, and real-time advertising experiences, placing a stronger emphasis on consumer engagement. The shift from traditional broadcast advertising to digital formats has led to more targeted, data-driven strategies aimed at increasing the relevance and effectiveness of ads. This transformation has allowed advertisers to engage consumers in new ways, often using interactive elements, video content, and real-time feedback to create deeper connections with their audience.

Animation has gained significant prominence in this digital transformation, particularly on platforms such as Instagram, YouTube, TikTok, and streaming services like Netflix and Hulu. Animated content captures attention conveys messages visually and stands out in a crowded digital space. The growing reliance on mobile and digital consumption makes animation an ideal tool for advertisers looking to reach a wide and diverse audience. Research indicates that animated advertisements significantly impact consumer engagement. For instance, Indian animated TV ads, such as the iconic Amul Girl, create emotional connections and foster a unique brand personality, enhancing consumer recall and loyalty (Naik & Atre, 2023). Animated commercials, especially in the FMCG sector targeting children and young adults, influence purchasing decisions by shaping consumer behavior and brand perceptions (Bhargava, 2012). Moreover, animation increases brand awareness and purchasing intentions, particularly in ads that employ cognitive messaging for moderately involved consumers (Azaini & Khaled, 2017).

2. CONCEPTUAL BACKGROUND

2.1 Digital Advertising Trends and Consumer Engagement

Digital advertising trends have evolved significantly, with the rise of social media, influencer marketing, and personalized content strategies. Understanding these trends is crucial for enhancing consumer engagement and improving brand visibility.

2.1.1 Trends and Strategies in Digital Advertising for Enhanced Consumer Engagement

Digital advertising is rapidly evolving, incorporating new technologies and personalized content. Studies show that video content is particularly effective in capturing attention and sustaining consumer engagement, especially when combined with platforms like Facebook, YouTube, and TikTok. Additionally, the personalization of ads through AI technology enhances their relevance and effectiveness, making campaigns more impactful (Prihatiningsih et al., 2024). Social network advertising (SNA) is also pivotal in emerging markets, using psychographic segmentation to target specific consumer groups, thereby enhancing engagement and brand loyalty (Tripathi & Siddiqui, 2017).

Content strategies on social networks greatly impact engagement. Ads that blend entertainment and informative elements, such as infotainment or product displays, lead to varying degrees of consumer interaction (Gavilanes et al., 2018). Moreover, augmented reality (AR) has become a key tool in enhancing customer engagement by providing immersive experiences that captivate consumers and strengthen brand connections (Islam, 2020).

2.2 Animated Advertisements: Characteristics and Appeal

Animated ads are gaining popularity for their ability to capture attention and convey emotions effectively. They utilize various animation techniques such as 2D, 3D, and stop-motion, enabling advertisers to communicate messages in a visually engaging way (Xiong, 2018). A key feature of animated ads is the use of animated characters, which help build a unique and memorable brand identity. These characters create emotional connections with consumers, strengthening brand recall (Naik & Atre, 2023).

Moreover, animated ads targeted at children and young adults are particularly effective due to their engaging visuals and emotional storytelling. These elements shape consumer attitudes and brand preferences (Bhargava, 2012). Additionally, animation often incorporates cultural symbols, which further enhances its effectiveness by resonating with the audience's cultural background (Liu et al., 2024).

2.3 Psychology Behind Animation in Advertising

Animation in advertising significantly influences both emotional and cognitive processes. It strikes a balance between presenting logical product benefits and evoking emotional responses that influence purchasing decisions. By engaging multiple senses, animation helps advertisers build strong emotional connections, shaping brand consumption and loyalty. Animated characters create lasting emotional attachments, especially in ads targeting children (Cook & Thompson, 2019).

Animation's speed also impacts consumer behavior: faster animations tend to trigger impulse buying behaviors, while slower animations foster lasting impressions (Sundar & Kalyanaraman, 2004). Animated advertisements also stimulate impulse buying, particularly when presented in formats like GIFs, by increasing emotional arousal and creating a sense of urgency (Mulier et al., 2020).

2.4 Consumer Demographics and Animated Ad Preferences

Understanding how various demographic and psychographic factors influence consumer responses to animated advertisements is crucial for marketers. The table 1 below summarizes these key insights based on age, cultural influence, and psychological profiles.

Table 1: Demographic and Psychographic Influences on Animated Advertisement Effectiveness

Demographic Factor	Details	Key Insights
Age Groups	**Children**	Prefer animated ads with beloved characters; higher recall and response rates (Vijayakrishnan et al., 2018).
	Adults	Less influenced by animations but respond well to emotional appeals and product demos (Kim et al., 2007).
Cultural Influence	**Western Cultures**	Animated ads with visceral, negative emotional appeals resonate with younger audiences (Rahm, 2017).
	Non-Western Cultures	Animated ads with local traditions or values enhance emotional connection (Liu et al., 2024).
	Cultural Awareness	Children in Southeast Mexico show heightened awareness of foreign cultural influences in animated ads (Cornelio-Marí, 2015).
Psychographics	**Emotional Processing**	Emotionally driven consumers respond well to positive, character-driven animations (Khalid,2016).
	Rational Processing	Rational consumers prefer animated ads that highlight product features and benefits (Khalid,2016).

3. THE ROLE OF ANIMATION IN ADVERTISING EFFECTIVENESS

Animation has become an effective medium in advertising, captivating audiences through creative visuals, engaging narratives, and memorable characters. By blending motion graphics, storytelling, and dynamic design, animated ads effectively convey messages that resonate with consumers. These ads not only capture attention but also simplify complex ideas, making products and services more relatable.

3.1 Case Studies of Animated Advertising Campaigns

Successful animated advertising campaigns have effectively leveraged visual storytelling, humour, and emotional appeal to engage consumers. The table below highlights notable animated campaigns, their strategies, and their impact.

Table 2: Successful Animated Advertising Campaigns and Their Impact

Brand	Campaign Name	Year	Type of Animation	Effectiveness
Geico	Geico's Humorous Animated Ads	Ongoing	Humorous Animated Characters	Increased brand awareness, recall, and revenue through humor (Davis, 2013).
Apple	Think Different	1997	Animated Visual Storytelling	Fostered innovation and strong brand loyalty (Wang, 2023).
Coca-Cola	Olympic Digital Campaign	2016	Animated Elements in Digital Media	Engaged a global audience via interactive and shareable animated content (Apostolopoulou et al., 2017).
Nike	'Just Do It' Animated Ads	2019	2D and 3D Animation	Amplified engagement and strong brand connection (Ind, 1993).
McDonald's	'I'm Lovin' It'	2003	Cartoon Animation	Created a youthful, dynamic image connecting with younger audiences (Bhargava, 2012).
Samsung	'The Future of You'	2021	3D and Motion Graphics	Highlighted technology innovation, appealing to tech-savvy consumers (Kim et al., 2007).

3.2 Trends in Animated Advertising Effectiveness

The effectiveness of animated advertising has evolved, with creativity, emotional appeal, and cultural relevance driving success. Animation can evoke emotions such as humor, nostalgia, and joy, strengthening consumer connections and brand loyalty (Ding Xiong, 2018). Furthermore, integrating cultural elements into animated ads enhances emotional engagement and brand recognition, especially in diverse markets (Liu et al., 2024).

3.3 Comparative Analysis of Animated vs. Non-Animated Ads

Research shows that animated-character-endorsed ads outperform celebrity-endorsed ads when targeting children, particularly for low-involvement food products (Priya et al., 2016). Conversely, in high-trust industries, such as prescription drug advertising, non-animated ads with human spokes-characters are perceived as more credible (Bhutada, Rollins, & Perri, 2017).

3.4 Emotional and Cognitive Impact of Animated Ads

Animated ads have been shown to influence memory retention, emotional connection, and decision-making in various ways. These effects can be attributed to both the cognitive processes involved in how animated content is processed, as well as the emotional responses these ads elicit. Below is a summary of the findings on how animations impact these aspects:

- **Memory Retention**

Animation can enhance memory for advertisements. Studies show that animated ads, especially those featuring high animation speeds, tend to be more memorable than static ads. However, there is a threshold—too much animation can have negative effects, with high-speed animations leading to lower recall performance due to over-arousal (Detera et al., 2017). Animation also facilitates recognition over recall. Animated objects in ads improve recognition, particularly for images, but not necessarily for brands or claims, which suggests that animation helps more with visual memory than with textual content (Lang & Chung, 2005).

- **Emotional Connection**

Animated ads can induce strong emotional reactions, which enhance engagement. Positive emotional reactions to animated ads can lead to higher ad recall, while negative emotions often lead to quicker responses to avoid unpleasant stimuli, which can hinder memory formation (Kenning et al., 2009). The type of emotional appeal (positive or negative) can influence how effectively the ad is remembered. Ads with emotional content that match the product's claim tend to enhance memory, while a mismatch can reduce the impact (Riemer & Noel, 2020).

- **Decision-Making**

Emotional engagement through animated ads can significantly impact consumer decision-making. Positive emotional responses can increase the likelihood of a purchase decision, as consumers tend to remember and connect better with emotionally charged ads (Brosch et al., 2013). Conversely, overly animated or highly intense emotional appeals can sometimes overwhelm viewers, leading to reduced cognitive processing and a decline in effective decision-making (Yoo & Kim, 2005).

3.5 Technological Advancements in Animation for Advertising

Technological advancements, particularly in AI, AR/VR, and interactive animation, are transforming the landscape of advertising by enhancing user engagement, creating personalized experiences, and offering immersive environments. Here are key trends:

- **Artificial Intelligence (AI)**

AI plays a significant role in personalizing advertisements by using predictive analytics and real-time adaptation. It helps optimize ad placement and ensures content resonates with individual users, increasing the effectiveness of the ad experience (Gujar et al., 2024). AI also facilitates the creation of dynamic, interactive ads, blurring the lines between advertising and entertainment, offering a seamless consumer experience (Gao, 2023).

- **Augmented and Virtual Reality (AR/VR)**

AR and VR technologies are increasingly used in advertising to provide immersive, interactive experiences that captivate audiences. These technologies enhance consumer engagement by offering interactive product experiences and real-time virtual trials. The integration of VR/AR in digital advertising strategies allows for more engaging and personalized brand storytelling (Srivastava, 2024). The potential of VR and AR to create realistic, 3D immersive worlds is transforming how brands approach user interaction, making ads more compelling and memorable (Helm & Pickering, 2018).

- **Interactive Animation**

Interactive animation, powered by AI, enhances engagement by allowing users to participate directly in the ad experience. This innovation in animation techniques enables real-time interaction, which can significantly increase user retention and emotional connection with the brand (Giri & Sharma, 2024). The use of 3D human models and AI in animation allows for personalized, dynamic interactions with consumers, creating more realistic and engaging brand experiences (Jayakar et al., 2024).

4. CHALLENGES IN USING ANIMATED ADS

While animated ads offer numerous advantages, they also come with challenges:

- **Audience Perception and Effectiveness**: Animated ads can sometimes be perceived as less serious or credible, especially in industries requiring trust (Cook & Thompson, 2019).

- **Cultural Misalignment**: Failure to incorporate culturally relevant symbols can limit an ad's effectiveness in global markets (Liu et al., 2024).

- **Production Costs and Time**: High-quality animated ads require significant resources, which can be a barrier for smaller businesses (Yi, 2011).

- **Animation Speed and Cognitive Overload**: Fast-paced animations may overwhelm viewers, reducing message clarity and recall (Sundar & Kalyanaraman, 2004).

4.1 Ethical and Cultural Considerations in Animated Advertising

Animated advertising presents various ethical and cultural challenges, especially in terms of stereotypes, social values, and inclusive representation. Below is a summary of key research findings:

- **Stereotypes and Cultural Representation**:

Advertisements often reinforce cultural values and can unintentionally perpetuate stereotypes. For example, the animated ads of "Jamii Milling" in Kenya reflect dominant cultural values, but could also contribute to cultural stereotyping, which may hinder social cohesion in a multi-ethnic society (Oduor, Kasamba, & Felix, 2023). Similarly, the animation industry faces ethical dilemmas when presenting gender and race stereotypes, which shape societal views, particularly among young audiences. In children's animated films, Western cultural values often permeate content, potentially influencing children's perceptions and behavior in ways that raise concerns regarding cultural intrusion (Elsawy, 2024).

- **Ethical Challenges in Advertising**:

Animated advertising often faces ethical criticism for presenting distorted images or reinforcing harmful stereotypes. For instance, children's commercials using animated characters may sometimes promote gender-specific roles or idealized views that align with patriarchal structures, as seen in advertisements targeting both male and female audiences in Pakistan (Nasir, 2017). Additionally, advertisements featuring emotional manipulation through cultural or social issues, such as Benetton's controversial ads, stir public debate about the ethics of using serious topics for commercial gain, questioning whether advertising can transcend its commercial role and incite meaningful social discourse (Sandikci, 2004).

- **Cultural Soft Power in Animation**:

The concept of "cultural soft power" through animation is vital for countries like China, where animation is used not only as entertainment but also to project national values and cultural identity globally. This can be a tool for soft power but needs to be handled carefully to avoid misrepresentation and cultural imposition (Shuai, 2011).

CONCLUSION

Animated advertisements have become a vital component of modern digital marketing strategies, offering distinct advantages in capturing attention and fostering emotional connections. Their ability to simplify complex messages and engage audiences emotionally makes them a powerful tool for building brand loyalty and driving purchasing decisions. Successful campaigns from brands like Geico, Coca-Cola, and Nike demonstrate the importance of creativity, cultural relevance, and emotional resonance in maximizing the effectiveness of animated ads. However, businesses must also consider challenges such as credibility, cultural alignment, and production costs. When strategically integrated with personalized messaging and interactive elements, animated ads can significantly enhance consumer engagement and drive sales.

REFERENCE

[1] Apostolopoulou, A., Branvold, S., Pearson, J. J., & Synowka, D. (2017). *#ThatsGold: Sponsorship activation in the 2016 Rio Summer Olympics. Journal of Brand Strategy*. https://doi.org/10.69554/vyrn2807

[2] Azaini, A. M., & Khaled, A. (2017). Examining the effectiveness of animated cartoon as brand awareness in TV advertisement: Evidence from survey in Malaysia and Jordan. *Unpublished manuscript*.

[3] Bhargava, T. (2012). Animated television commercials: Impact and future. *Journal of Business Studies*.

[4] Bhavsar, R., & Tiwari, R. (2024). Trending personalized advertisements: The changing dynamics of advertising in digital era. *Journal of Communication and Management*. https://doi.org/10.58966/jcm2024315

[5] Bhutada, N. S., Rollins, B. L., & Perri, M. (2017). *Impact of animated spokes-characters in direct-to-consumer prescription drug advertisements. Journal of Health Communication*, 22(4), 319-327. https://doi.org/10.1080/10810730.2017.1297583

[6] Brosch, T., Scherer, K., Grandjean, D., & Sander, D. (2013). The impact of emotion on perception, attention, memory, and decision-making. *Swiss medical weekly*, 143, w13786.

[7] Bush, A. J., Hair, J., & Bush, R. (1983). *A content analysis of animation in television advertising. Journal of Advertising, 12*(4), 20-41. https://doi.org/10.1080/00913367.1983.10672859

[8] Cook, M., & Thompson, K. M. (2019). *Animation and advertising. Palgrave Animation*. https://doi.org/10.1007/978-3-030-27939-4

[9] Cornelio-Marí, E. M. (2015). Mexican children and American cartoons: Foreign references in animation. *Comunicar*, 23, 125-132.

[10] Davis, P. (2013). *Fifteen percent or more: A content analysis of Geico's commercial advertising*.

[11] Detera, B. J., Betancor, F., Hadi, M. A., & Portus, A. J. (2017). Banner advertising: Effect of different animation speeds on memory retention of gender. *The Japanese Journal of Ergonomics*, 53.

[12] Ding, X. (2018). Research on creative performance of animation art in advertisement. *DEStech Transactions on Social Science, Education and Human Science*. https://doi.org/10.12783/DTSSEHS/ICSS2017/19459

[13] Dix, S., & Marchegiani, C. (2013). Advertising appeals. *Journal of Promotion Management, 19*(5), 393-394. https://doi.org/10.1080/10496491.2013.817218

[14] Elsawy, M. (2024). The ethical challenges and concerns facing the animated film industry. *Pharos International Journal of Arts and Design*.

[15] Gao, R. (2023). AIGC technology: Reshaping the future of the animation industry. *Highlights in Science, Engineering and Technology*.

[16] Gavilanes, J. M., Flatten, T., & Brettel, M. (2018). Content strategies for digital consumer engagement in social networks: Why advertising is an antecedent of engagement. *Journal of Advertising*, 47, 23-4. https://doi.org/10.1080/00913367.2017.1405751

[17] Giri, D., & Sharma, J. (2024). Transformative effects of animation, virtual reality, and augmented reality in education: A study. *ShodhKosh: Journal of Visual and Performing Arts*.

[18] Gujar, P., Paliwal, G., & Panyam, S. (2024). Generative AI and the future of interactive and immersive advertising. *2024 IEEE Eighth Ecuador Technical Chapters Meeting (ETCM)*, 1-6.

[19] Helm, P., & Pickering, J. (2018). Enabling collaborative decision making through immersive visualization. *Day 3 Wed, September 26, 2018*.

[20] Hong, W., Cheung, M. Y. M., & Thong, J. (2021). The impact of animated banner ads on online consumers: A feature-level analysis using eye tracking. *Libraries & Information Technology eJournal*. https://doi.org/10.17705/1jais.00659

[21] Huang, W.-S., Hsieh, T., & Chen, H.-S. (2011). The advertisement effectiveness of animated spokes-characters. *Journal of Business Management*, 5, 9971-9978. https://doi.org/10.5897/AJBM11.1761

[22] Ind, N. (1993). *Great advertising campaigns: How they achieve both creative and business objectives*.

[23] Islam, A. (2020). The impact of augmented reality advertisement on customer engagement in the era of connected consumers. *In Innovations in Technology and Marketing: Applications and Trends*. https://doi.org/10.4018/978-1-7998-0131-3.ch014

[24] Jayakar, K. P., Sonawane, P., Shirke, S., & Garkar, S. (2024). Interactive human 3D model with conventional AI. *International Journal for Research in Applied Science and Engineering Technology*.

[25] Kenning, P., Deppe, M., Schwindt, W., Kugel, H., & Plassmann, H. (2009). From the black box to the aquarium: How brain imaging sheds 'light' on the underlying mechanisms of how marketing actions work. *Neuroscience and Marketing*.

[26] Khalid, R. (2016). Impact of animated advertisement on adult impulse buying behavior of Pakistan. *Journal of Marketing and Consumer Research*, 22, 30-37.

[27] Kim, Y., Jin, C., & Choi, C. (2007). Animated commercials' effects on low-effort routes to persuasion. *Asian Communication Research, 4*, 52-77.

[28] Kuisma, J., Simola, J., Uusitalo, L., & Öörni, A. (2010). The effects of animation and format on the perception and memory of online advertising. *Journal of Interactive Marketing, 24*(4), 269-282. https://doi.org/10.1016/j.intmar.2010.07.002

[29] Lang, A., & Chung, Y. (2005). Processing advertisements on the web: The effects of animation and arousing content on orienting, arousal, encoding, and storage. *Journal of Interactive Marketing*, 19(2), 18-34.

[30] Liu, J., Mat Sin, N. S., & Zhang, R. (2024). *Cultural symbol value in animated advertisement model: Systematic review*. *Journal of Digital Art & Humanities*. https://doi.org/10.33847/2712-8149.5.1_1

[31] Liyanage, D. (2020). The impact of the advertising discourse on consumer persuasion. *International Journal of Scientific and Research Publications (IJSRP)*.

[32] Mohammad, W. J. (2022). The effectiveness of animation in advertising promotion. *Route Educational and Social Science Journal*. https://doi.org/10.17121/ressjournal.3265

[33] Naik, M. S., & Atre, A. (2023). The impact of Indian exaggerated animated television advertisements on consumer behavior. *ShodhKosh: Journal of Visual and Performing Arts*. https://doi.org/10.29121/shodhkosh.v4.i2se.2023.557

[34] Nasir, M. H. (2017). Subscription or subversion: Gender representation in Pakistani TV commercials. *Unpublished manuscript*.

[35] O'Donoghue, A. C., Betts, K. R., Parvanta, S., Johnson, M., Kelly, B., & Mack, N. (2021). *Effects of animation and rotoscoping in direct-to-consumer Rx TV advertising*. *Journal of Advertising Research, 61*(4), 397-413. https://doi.org/10.2501/jar-2021-016

[36] Oduor, J. A., Kasamba, C., & Felix, M. S. (2023). Advertisements as cultural conduits in Kenya: The case of 'Jamii Milling' animated adverts. *EAS Journal of Humanities and Cultural Studies*.

[37] Painuly, S., Sharma, M., & Lama, P. (2021). Impact of animated characters on consumer behavior. *Webology*, 18(2).

[38] Panda, A. R., Rout, S., Narsipuram, M., Pandey, A., & Jena, J. J. (2024). Ad click-through rate prediction: A comparative study of machine learning models. *2024 International Conference on Emerging Systems and Intelligent Computing (ESIC)*, 679-684. https://doi.org/10.1109/ESIC60604.2024.10481562

[39] Prihatiningsih, T., Panudju, R., & Prasetyo, I. J. (2024). Digital advertising trends and effectiveness in the modern era: A systematic literature review. *Golden Ratio of Marketing and Applied Psychology of Business*. https://doi.org/10.52970/grmapb.v4i2.505

[40] Priya, P., Baisya, R. K., & Sharma, S. (2016). *Effectiveness of advertisements: A study on comparative analysis of celebrity and animated character endorsement on children's buying behavior*. *International Journal of Business and Management*, 11(2), 119-127. https://doi.org/10.5539/ijbm.v11n2p119

[41] Rahm, I. (2017). Understanding and connecting cultures within the world of advertising. *SPICE | Philosophy, Politics, and Economics Undergraduate Journal*, 12, 3.

[42] Rakrachakarn, P., & Moschis, G. (2015). Is animation effective for advertising offensive products? Insights from an internet advertising experiment. *International Journal of Electronic Marketing and Retailing, 6*, 259-276. https://doi.org/10.1504/ijemr.2015.073451

[43] Riemer, H., & Noel, H. (2020). The effect of emotionally-arousing ad appeals on memory: Time and fit matter. *International Journal of Advertising*, 40(7), 1024-1046.

[44] Rosenkrans, G. (2009). The creativeness and effectiveness of online interactive rich media advertising. *Journal of Interactive Advertising*, 9, 18-31. https://doi.org/10.1080/15252019.2009.10722152

[45] Sá, M., Navalpakkam, V., & Churchill, E. (2013). Mobile advertising: Evaluating the effects of animation, user and content relevance. *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems*. https://doi.org/10.1145/2470654.2481344

[46] Sandikci, O. (2004). Advertising and the public sphere. *ACR North American Advances*.

[47] Shuai, X. (2011). Animation and cultural soft power: On picturization of cultural soft power. *Journal of Yibin University*.

[48] Shuja, K., Ali, M., Anjum, M. M., & Rahim, A. (2016). Effectiveness of animated spokes-characters in print advertising targeted at children. *EconStor Open Access Articles, 2*, 31-47.

[49] Srivastava, A. (2024). The power of play: Gamified advertising with AR/VR/AI and its impact on consumer engagement. *International Journal For Multidisciplinary Research*.

[50] Sundar, S., & Kalyanaraman, S. (2004). *Arousal, memory, and impression-formation effects of animation speed in web advertising*. *Journal of Advertising, 33*(1), 17-27. https://doi.org/10.1080/00913367.2004.10639152

[51] Sussman, K. L., Bright, L., & Wilcox, G. B. (2022). Digital consumer engagement: Examining the impact of native advertising exposure in a social network. *Journal of Research in Interactive Marketing*. https://doi.org/10.1108/jrim-10-2021-0265

[52] Tripathi, S. N., & Siddiqui, M. H. (2017). Segmenting emerging markets based on consumer responses towards social network advertising. *International Journal of Indian Culture and Business Management*, 15, 255-277. https://doi.org/10.1504/IJICBM.2017.10007908

[53] Trivedi, P. (2018). *Measuring the comparative efficacy of endorsements by celebrities versus animated mascots: A consumer perception study. Journal of Advertising Research*, 58(3), 257-267. https://doi.org/10.2501/JAR-2018-024

[54] Utami, F. M., Andari, D. R., & Rahayu, D. (2024). *Comparative study of digital advertising effectiveness: 2D vs 3D animated advertisements. Journal of Marketing Communication Strategies*, 15(1), 78-91. https://doi.org/10.1016/j.jmcs.2024.01.005

[55] V.J., M., & Thanushree, H. (2020). Impact of social media advertisement on consumer purchasing behavior. *The Journal of Contemporary Issues in Business and Government*, 26, 634-638. https://doi.org/10.47750/CIBG.2020.26.02.087

[56] Vijayakrishnan, V., Harikrishnan, D., & Babu, S. (2018). Marketing strategy in advertisements using animated characters. *ShodhKosh: Journal of Visual and Performing Arts*, 119.

[57] Wang, R. (2023). *Analysis of Apple's classic ads: Strengths and weaknesses. Highlights in Business, Economics and Management*. https://doi.org/10.54097/hbem.v19i.13578

[58] Xiong, D. (2018). Research on creative performance of animation art in advertisement. *DEStech Transactions on Social Science, Education and Human Science*. https://doi.org/10.12783/DTSSEHS/ICSS2017/19459

[59] Yi, L. (2011). *The new rise of the animated advertising industry in China. Journal of Xiamen University*.

[60] Yoo, C., & Kim, K. (2005). Processing of animation in online banner advertising: The roles of cognitive and emotional responses. *Journal of Interactive Marketing*, 19(2), 18-34.

[61] Yoo, C., & Stout, P. (2007). Preattentive processing of web advertising. *Graduate School Theses*. https://doi.org/10.31390/gradschool_theses.1858

[62] Yoo, C., Kim, K., & Stout, P. (2004). Assessing the effects of animation in online banner advertising. *Journal of Interactive Advertising, 4*(1), 49-60. https://doi.org/10.1080/15252019.2004.10722087