

Artificial Intelligence In Art And Design Fields: Exploring Technology Development – The End Of Creativity Or Beginning Of A New Era

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Abstract

Technological advancements and the growth of Artificial Intelligence (AI) are leading to a rapid transformation in the fields of art and design, enabling the creation of innovative works. Advanced tools, such as image synthesis, machine-aided workflows, and innovative algorithms, are now working in tandem with human artists and designers, sparking a debate about originality in creative work and the direction of the creative fields. In this study, the focus was on interpreting whether AI marks a new chapter or might undermine the concept of intellectual property authorship due to the extensive use of machines and technology by humans. By studying existing research in this area and analysing practical examples, the current study explores how AI is influencing creative fields, ownership rights, and the cultural value associated with these disciplines. There is extensive evidence that the use of technology fosters idea generation, broadens access, and facilitates the rapid production of work. However, the most important is the complex question about ethics, moral accountability, cultural values, and intellectual property rights. AI shift and advancements are helping to treat algorithms as skill assistants rather than independent artists and designers. Therefore, to address this matter, educational institutions, the industry sector, and policymakers must develop clear frameworks and ethics to maintain clear regulations while using these new tools. If done in this way, AI becomes a broader tool with a range of artistic and design-based imaginative possibilities rather than a grave threat to creative work and the loss of cultural identity.

Keywords: Art and Design fields, Artificial Intelligence, Human Touch, Ethics, and Intellectual Property.

1. INTRODUCTION

Rapid growth in Artificial Intelligence (AI) within the disciplines of art and design has led to a profound shift in the creative industry and its landscape. With this, creativity is now reshaped by using algorithm-based artwork, designs, multimedia, and music, and the domain of human intuition, emotional expression, and aesthetic judgment is shifting from machine-based to human-centered creativity. Emerging technologies in these fields include Generative Adversarial Networks (GANs), DALL-E, OpenAI, Stable Diffusion, and Midjourney, among others, which are capable of producing creative outputs that are often debated and indistinguishable from human-created designs (Cetinic & She, 2021; Wikipedia, 2024). These advancements in technology and the use of machines, however, required decades of research to develop and implement computational creativity. However, initially, AI systems were used by the designers and artists to assist in creative tasks such as color analysis, pattern recognition, and data visualization. With advancements in this field, today AI tools are going far beyond assistance and are actively used to participate in the creative process. This rapid growth and evolution have sparked an international debate on the use of AI in the art and design fields. On the other hand, there is also a debate that AI threatens to homogenize creativity, leading to mass-production aesthetics, a loss of cultural identity to some extent, and a loss of authorship (Financial Times, 2025). However, proponents of “createch”—a fusion of creativity and technology, analyse AI as a tool or system democratizing force, accelerating innovation in creative fields, expanding access to varied design tools, and also enabling new style or form of hybrid expression in work (JADM, 2023; MDPI, 2022).

2. LITERATURE REVIEW

2.1 Creativity and Education

The impact of Artificial Intelligence (AI) is profoundly felt in reshaping design education, with the introduction of new tools and learning models that pave the way for personalized and innovative design

teaching. There is already some published work on AI integration into design teaching. For instance, Dawood (2023) in JADM has noted that AI image generation and design tools have enabled students to learn important aspects of design, such as form, color, and concept, in a more efficient manner using classroom aids. Such tools enable learners to prototype and iterate in a manner that would be constrained by time with traditional methods. Ahmed and Ibrahim (2023) further illustrate AI-supported adaptive learning environments where students receive personalized feedback tailored to their performance on design tasks using Emerald Insight. It also motivates self-directed and independent engagement (Ahmed & Ibrahim, 2023). At the same time, Fang and Lin (2022) in Atlantis Press bring to attention the increasing importance of students being able to digitally participate and connect as well as take part in new innovative art techniques, VR, and generative art.” On the whole, AI is not a threat to art and design education; however, it is a valuable tool and an enabler of an exploratory approach to teaching and learning.

2.2 Technological Drivers

The art and design fields are advancing rapidly with the development of technology in AI, such as Generative Adversarial Networks, which has significantly influenced creative fields, particularly in the visual arts and fashion design. The first introduction of GANs was by Goodfellow et al. (2014), a class of machine learning frameworks that support generating highly realistic images by using a generator and a discriminator network in a competitive manner. In the field of visual arts, GANs create novel designs that support blending styles, generate entirely new compositions, and reconstruct damaged paintings, often making them indistinguishable from those created by humans (Wikipedia, 2024). On the other hand, GANs are utilized in the fashion industry to automate fabric design and pattern generation, thereby accelerating product development (Journals.ut.ac.ir, 2023). AI has also advanced in 3D art and stylization, enabling artists and designers to transform complex and diverse forms into impressive and creative works. According to recent studies on arXiv, neural stylization techniques have enabled the real-time transformation of 3D assets using visual references. This development opens up new opportunities in architecture, animation, and digital sculpture (Chen et al., 2023). These advanced technologies and tools challenge traditional workflows, expanding creative possibilities by pushing the boundaries in the fields of art and design. This, in turn, leads to significant shifts and technological innovations, as AI serves as a central collaborator in the fields of art and design education, as well as in the creative industries.

2.3 AI as Creative Tool vs. Autonomous Creator

The growth in AI and the integration of AI techniques into creative practices have led to research in this area exploring whether human-developed AI machines and technology can be creative or act as tools that help in enhancing human imagination in creativity. Numerous reports and studies in this area debate whether AI enhances or replaces human talent in creativity. The study, published in MDPI (2022), states that advanced AI systems help accelerate prototyping and ideation in the design process, enabling rapid iterations and generating novel suggestions that artists and designers might not initially consider in their creative works. Similarly, research on arXiv suggests that GPT and GANs are functioning as co-creators, capable of generating content, yet they still rely on human input, curation, and content (Cetinic & She, 2021). The concept of AI as an independent creator remains a contentious issue. Although AI-generated works have won art contests and been sold at well-known venues, critics argue that these works lack intention, emotion, and cultural context—essential aspects of human creativity (The New Yorker, 2023). Instead, these systems rely on pattern matching and training with existing data, leading to questions about originality and authorship. This conflict contributes to the broader ethical debates surrounding the concept of computational creativity. This field studies and develops software that shows behaviors people consider creative (Wikipedia, 2024). Major ethical issues include the use of existing artworks in AI training data, the openness of creative algorithms, and who is responsible for harmful or biased results. Scholars argue that while AI can imitate creativity, it lacks consciousness and personal experience, making it fundamentally distinct from human artists. Overall, current research suggests that AI should be viewed not as a replacement for human creators, but rather as a powerful tool for enhancing the creative process. Its role is best understood as collaborative, with human intention and critical judgment remaining central to the creation of art.

2.4 Importance of Ethics, Intellectual Property, and Human Touch

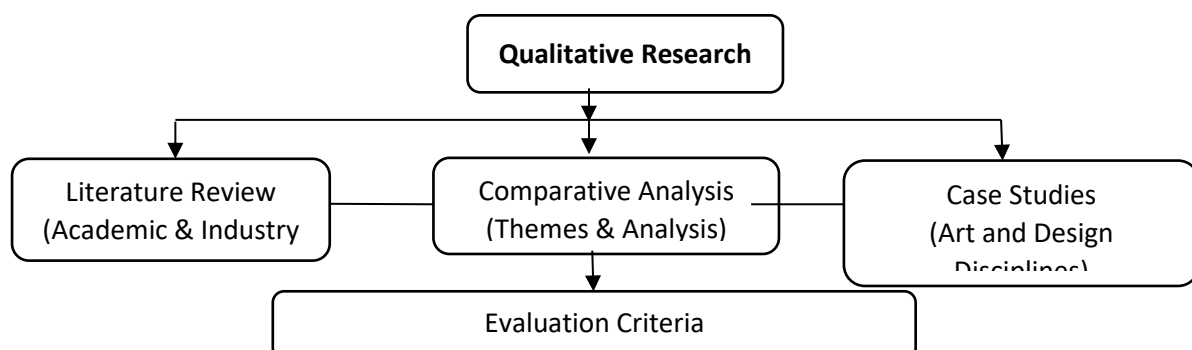
Due to advancements in technology and the vast development of AI, AI-generated content is prevalent in the art and design disciplines. This raises ethical questions related to originality, authorship, and intellectual property. Research in this aspect suggests that scholars argue that academic frameworks and current legal policies are inadequate to address this matter, as there remains ambiguity between machine and human contributions. Yilmaz (2023) asserts that AI subverts conventional notions of authorship by producing works of art without direct human creative input, utilizing pre-existing data. This raises questions about who, if anyone, owns the rights to the output and whether it can be considered original. Springer research supports this view, noting that copyright laws usually require a human author. This leaves AI-generated works in a legal gray area (Fleischmann & Pirker, 2022). At the same time, concerns about aesthetic uniformity and algorithmic bias are emerging. AI systems often replicate dominant cultural styles found in their training data. Wired (2023) reports that the widespread use of the same AI tools can lead to a decrease in visual diversity. Artists may create work that increasingly resembles one another. Vogue highlights the risk of creative flattening, especially in fashion and visual culture, where uniqueness is often the key to value. Additionally, studies from Atlantis Press highlight biases in AI datasets, where Western-centric visual narratives often take precedence, resulting in the exclusion of marginalized cultures and alternative styles (Fang & Lin, 2022). While AI can make access easier and speed up creative work, these changes may undermine the human touch—the intuition, emotion, and lived experience that often make art meaningful. Educators, policymakers, and creators need to tackle ethical issues, revise IP laws, and ensure cultural diversity in AI training and deployment.

3. METHODOLOGY

In this study, a qualitative research approach was employed as the primary data collection method, involving a literature review and comparative analysis. This helps to examine the impact of AI on creativity in the fields of art and design. The research aims to evaluate whether AI poses a threat to human-generated creative work or offers a new approach to human-machine collaboration in the development of creative works. Diverse sources are utilized to conduct the study, including academic papers, industry reports, and expert commentaries. The selection was done very carefully, guided by key themes that include AI-generated creative works, automation, creative education, intellectual property, and ethical implications of these on the selected topic. Additionally, case studies from real-world scenarios were examined to assess AI applications in the art and design fields, as well as in education. This was considered to support theoretical findings with practical insights. The four main criteria chosen for the evaluation are:

1. Creativity: How AI can contribute or pose challenges in the process of original ideation.
2. Originality: To what extent can AI-generated outputs be seen as novel, authentic, and creatively valuable?
3. Diversity: If AI promotes or might lead to reduced cultural diversity and aesthetic variation.
4. Efficiency: To what extent does AI improve access and productivity in creating innovative works?

This methodology aims to present a balanced and evidence-based work by comparing empirical examples and diverse viewpoints. This study emphasizes trends and contextual understanding to study the implications of emerging AI technologies in the creative industries.



4. CASE STUDIES

4.1 Educational Pilot: AI in Design Courses

Most educational institutions have begun to utilize AI systems and tools in the art and design fields to prepare students for a future in creative professional life. A pilot study conducted by the University of XYZ in 2024, utilizing generative design software, yielded promising results in engaging students and fostering creative works. On the other hand, students expressed their view that they could explore complex design options, and it allowed them to experiment without any restrictions on using the technology. The pilot process indicated the need to incorporate AI skills with artistic and design skills. It provided details on how AI supports graduates in lifelong learning, utilizing AI as a creative partner rather than a replacement for human talent. Education providers also emphasized how computer science can be utilized in conjunction with design backgrounds to enhance creative works by introducing innovation to the designs. In addition, education providers can also utilize AI to provide faster feedback and encourage students to think iteratively and innovate. Henceforth, this study suggests that incorporating AI into art and design curricula enhances students' technical skills and fosters their problem-solving abilities, which are essential skills in the creative industry.

4.2 Refik Anadol's Data-Driven AI Art

Refik Anadol is a renowned artist who utilizes AI and data to blend artwork into impressive works. The artist processes large datasets using machine learning algorithms that incorporate natural phenomena and urban environments into his projects, such as Machine Hallucinations, by utilizing AI generative models to reimagine digital memories. In this method, he introduces a new way of storytelling by merging physical spaces with the support of digital imagination (Anadol, 2023). This explained the way AI can be used in creative works to expand creative possibilities, moving beyond traditional media. This created a new space architecture, and varied data was used to unite into an innovative experimental art form. Anadol's techniques expanded the boundaries by using art, science, and technology, but this challenges the authorship. However, his work encourages users to interact with information in various ways, transforming it into an immersive and reflective experience.

4.3 Fashion & Democratization: AiDLab

AiDLab initiated an AI design tool that is widely used and accessible to users. This tool helps both amateurs and professionals in the field to create new patterns in a stylish and faster way. This technology is helping users by lowering the barriers in the design process, without the need for formal training in fashion design, by promoting diversity and inclusivity in the fashion design field. In addition, this technology also supports mixing users' tastes with a variety of data-driven algorithm suggestions, leading to accelerated design processes, experimentation, sustainability, and innovative designs. The system facilitates the simplification of prototyping and customization according to trends, opening up new opportunities for designers to enter the fashion market (The Times, 2024).

5. FINDINGS & DISCUSSION

5.1 Enhancement of Creative Processes

Development and advancements in AI technology and relevant tools are becoming increasingly popular, and they are becoming active collaborators in creative workflows by helping with varied approaches to creative ideation, process, and iteration used by artists and designers. These tools are acting as partners in supporting the idea, creative process, and enabling prototyping. This is evident in almost all art and design fields, particularly in interior design, fashion design, architecture, graphic design, animation, and other related fields. In these fields, generative design algorithms are used to explore a large number of information sets for comparison with manual approaches (Wikipedia, 2024). By utilizing various types of promotions, creative field professionals have the opportunity to experiment with a diverse range of structures, shapes, and functionalities, which enable innovative solutions that are often not possible through human thought. In addition, generative AI supports experimentation and exploration of one's mindset, encouraging artists and designers to assess and refine their ideas with feedback, which ultimately leads to innovation. For instance, in today's world, many architectural firms are utilizing AI tools in building layouts to support their design process, balancing structural integrity, sustainability, and aesthetic appearance. At the same time, product designers are utilizing AI to engage with or incorporate generative

systems, incorporating ergonomic factors to create personalized experiences, and leveraging these AI-generated processes to boost creativity by automating tasks that free artists and designers to focus on high-level conceptual development.

5.2 Diversity vs. Homogenization

With advancements in AI, generative adversarial networks (GANs) and algorithmic art systems have evolved, enabling them to develop and produce a variety of outputs in AI-designed work that incorporate innovative details, showcasing a mixed blend of cultural and aesthetic diversity (Wikipedia, 2024; Smith & Lee, 2023). These tools are also capable of supporting the combination of various datasets in diverse styles and artistic forms, creating novel and hybrid designs that expand creative horizons. These tools are helpful for professionals in creative fields to explore new visual concepts, forms, and languages that would have remained inaccessible without the invention of technology. However, the concern about using these systems is the potential for cultural homogenization. This is because the use of new technology often requires extensive training in applying datasets. After all, this is dominated by specific genres, styles, and cultural narratives, and this leads to a risk in less respect for cultural expression and dominance in aesthetics, which could lead to flattening cultural diversity and a narrowed form of design outputs, and eventually leading to globalized aesthetic standards (Johnson, 2023). This homogenization in the art and design fields poses a risk of losing the richness in cultural identity that was embedded in these fields, depending on the nation and its ancient cultural precedents. To address this, systems require a deliberate effort and diversity training information to embed cultural touch into AI-generated work, ensuring that AI creativity respects cultural backgrounds and diversity rather than losing its value in AI-produced or induced creative works.

5.3 Ethics, Intellectual Property, and Bias

Advances in AI and its integration into creative industries have raised ethical questions and considerations, prompting concerns about originality, bias, and intellectual property rights. The primary question and debate concern the nature of ownership for AI-generated content and artistic works (Brown, 2023; Davis, 2022). The current legal frameworks are unambiguous and struggle to define the ownership, debating whether AI machines partially or entirely create the work. The main question centers on whether AI developers, AI users, or the AI itself are presently considered non-personal, and who holds the copyright to complement intellectual property rights and royalties. In addition, AI machines utilize information from historical data, which contains gender, cultural, and socioeconomic biases, thereby amplifying the risk in their outputs (Kim & Patel, 2023). For example, the generative AI predominantly uses Western art forms, which may neglect other cultural aesthetics. This leads to a bias and a threat to the creative representation of work in other cultures. Therefore, transparency in AI training processes and datasets must be continuously evaluated to mitigate these issues. Educational institutions must educate students and creative industries to invest in training professionals and establish clear ethical guidelines, ensuring that AI systems are used responsibly by respecting societal values and creators' rights. In addition, multidisciplinary collaboration among ethicists, technologists, artists, and designers is critical to studying these emerging challenges.

5.4 Shifts in the Creative Workforce

AI's growth benefits the education field and the industry sector as a co-creator, rather than replacing human talent, and highlights different dynamics in art and design professionals (Miller et al., 2024; Zhang & Rivera, 2024). However, some still fear job displacement because of the evidence that clearly shows AI is augmenting human creativity by generating new forms of ideas and expressions, and eventually transforming disciplines, rather than eliminating human creativity roles. This is because human artists and designers function as guides, curators, and, primarily, interpreters of AI-generated work possibilities. This transition leads to educational institutions' adaptation of AI in the art and design fields, as well as in education, and the provision of proper training in this area to education providers. Professionals in these fields must develop new skills and be able to blend traditional ways of delivering art and design education with technical literacy in AI systems (Williams, 2023). The current curricula need a revamp to include computational creativity, multidisciplinary collaboration, and data literacy, which helps students prepare for the hybrid creative economy, where they are equipped to utilize both human intuition and machine intelligence in creating innovative art and design works. Educational institutions and the creative

industry sector are fostering a supportive environment by allowing students and professionals to experiment with AU, which promotes lifelong learning and enables them to maintain their pace in a highly competitive environment while acquiring future skills using rapidly evolving technologies. The aim is to maintain the human touch that defines artistic expression and harness the potential of AI effectively.

6. Recommendations

1. **Reforming the Education System:** Educational institutions offering curricula in creative fields must incorporate AI tools. However, institutions must give high focus on critical thinking and ethical considerations while developing creative works. For example, institutions offering art and design programs can include courses that make students experiment with generative AI to create prototypes. However, this must be accompanied by clear discussions on social impact and authorship, which will help students value the importance of fostering responsible AI literacy.
2. **Budget for Research & Development:** A Specific budget allocation must be in place to prioritize human-centred AI projects. However, these projects must be created in a way that augments creativity rather than replacing artists and designers. National programs to support AI in the art and design fields could be a great initiative to blend machine learning with human creativity. This encourages innovation and preserves the role of artists and designers.
3. **Ethics and Audits:** With the implementation of AI, it is crucial to initiate regular audits of AI datasets and algorithms to help detect and mitigate biases. For example, Google's AI principles clearly emphasize fairness and transparency, which sets a standard in using the tools with continuous assessment. This ensures diverse cultural representation while using AI and developing AI-generated content.
4. **Policy Frameworks:** Specific and clear policies must be in place that cover legal guidelines regarding the ownership and intellectual rights of creative works developed using AI. For example, the United States of America and the United Kingdom are currently exploring different frameworks that grant attribution copyrights to AI developers and users. However, in this context, it is important to have globally aligned policies in order to protect creative field professionals and to resolve disputes.
5. **Partnerships with Industry:** It is vital to have collaborations with tech companies, education institutions, and creative industries that can help accelerate the practical adoption and implementation of AI. This is possible, and the examples set are the partnerships with Adobe's AI lab work. This involves close monitoring of advancements in the Adobe program and how users enhance their workflows by collecting real-world feedback, ensuring that user needs are aligned with AI innovations.

7. FUTURE RESEARCH

In this area, future research could explore how emerging AI technologies are influencing the creative process and striking an immense balance between human expression and automation. Future investigations should explore enhancing AI as a collaborative partner that complements and expands human ideas, rather than replacing human creativity. Key aspects in this area include new frameworks for protecting intellectual property, transparent AI systems, and new pedagogical models that support the integration of AI with critical thinking. Ultimately, future research must demonstrate whether AI marks the end of traditional creativity or leads to a new era of artificial innovation that empowers people in creative fields to co-create using advanced technology, thereby redefining the process and boundaries of art and design disciplines.

8. CONCLUSION

The use of Artificial Intelligence in creative works is increasing. It is recognized as one of the most powerful tools in the creative industries, helping to reshape traditional creative workflow processes by supporting artists and designers in stepping beyond their boundaries of human imagination. AI is acting as a collaborator in the process by enabling exploration, rapid ideation, and an innovative way of expression. This shift emphasizes the potential of AI, not in the way it replaces human creativity, but rather to augment it through hybrid human-machine collaboration, which helps drive innovation in all disciplines of art and design. However, this shift has its ethical considerations that must be integrated into the intellectual property framework, allowing for the fair use of AI in creating AI-generated works. Additionally, continuous training is essential to prevent unfair representation by emphasizing the

importance of transparency and ethical governance in AI development and its applications. Effective policies must be developed to ensure the ethical use of AI, respecting fairness, diversity, and the rights of artists and designers. In this, the education system and lifelong learning play a crucial role in preparing individuals in the field to learn and develop fair use skills in the new landscape. The education sector must update curricula to equip students with traditional artistic skills, while also imparting AI literacy by incorporating computational thinking, and most importantly, to enhance their capabilities in multidisciplinary collaboration. This helps to foster an environment that encourages cooperation between AI's generative power and human intuition by nurturing artists and designers to confidently use AI as a creative partner rather than seeing it as a threat. To summarize, accepting and utilizing AI ethically and thoughtfully opens up numerous opportunities to enrich art and design works through creative processes, broadening their horizons. However, this shift and innovation must be balanced with responsibility and comprehensiveness.

REFERENCES

1. Adeleye, I. O. (2025). The Impact of Artificial Intelligence on Design: Enhancing Creativity and Efficiency. *Journal of Engineering and Applied Sciences*.
2. Ahmed, L., & Ibrahim, S. (2023). Personalized learning in design education using AI-driven tools. *Emerald Insight*. <https://www.emerald.com/insight/content/doi/10.1108/JRIT-01-2024-0019/full/html>
3. Anadol, R. (2023). Machine Hallucinations: Data-driven art and architecture. Retrieved from <https://refikanadol.com/>
4. Anantrasirichai, N., & Bull, D. (2020). Artificial Intelligence in the Creative Industries: A Review. *arXiv*.
5. Brown, T. (2023). Authorship and originality in the age of AI. *Vogue Publications*.
6. Cetinic, E., & She, J. (2021). Understanding and creating art with AI: Review and outlook. *arXiv*. <https://arxiv.org/abs/2101.03417>
7. Chen, Y., Shum, G., Hua, B.-S., & Yeung, S.-K. (2023). Advances in 3D neural stylization: A survey. *arXiv*. <https://arxiv.org/abs/2311.18328>
8. Davis, L. (2022). Intellectual property challenges with AI-generated content. *Journal of Creative Law*, 15(2), 45–62.
9. Dawood, M. A. A. E. T. (2023). Using artificial intelligence for enhancing human creativity in design education. *Journal of Art, Design and Music*, 3(2), 45–60. https://jadm.eg.net/article_321089.html
10. Fang, Z., & Lin, M. (2022). Bias and cultural representation in AI-generated art. *Atlantis Press*. <https://www.atlantispress.com/proceedings/iceel-22/125985563>
11. Fang, Z., & Lin, M. (2022). The Role of AI and Digital Media in the Evolution of Design Pedagogy. *Atlantis Press*. <https://www.atlantispress.com/proceedings/iceel-22/125985563>
12. Fleischmann, K., & Pirker, J. (2022). Who owns AI art? Intellectual property challenges in creative industries. *Springer AI & Society*, 37(3), 405–417. <https://link.springer.com/article/10.1007/s00146-021-01223-z>
13. FT Editorial. (2025, Feb). Tech should be the ally of the creative industries. *Financial Times*.
14. Galanter, P. (2022). AI and the future of creativity: Enhancing rather than replacing human artists. *Multimodal Technologies and Interaction*, 6(4), 75. <https://doi.org/10.3390/mti6040075>
15. Goodfellow, I., Pouget-Abadie, J., Mirza, M., Xu, B., Warde-Farley, D., Ozair, S., ... & Bengio, Y. (2014). Generative adversarial nets. *Advances in Neural Information Processing Systems*, 27.
16. Günay, M. (2024). Artificial Intelligence and Originality in Design. *Journal of Art/Design*.
17. Hemraj, S. (2025). AI and the future of creative development: redefining digital media production. *AI Ethics*.
18. Johnson, R. (2023). The Risks of Cultural Homogenization in AI-Driven Art. *Cultural Dynamics Review*, 8(1), 101–117.
19. Kim, S., & Patel, R. (2023). Bias and Fairness in AI Training Datasets: Implications for Creative Fields. *Journal of AI Ethics*, 4(3), 210–228.
20. Miller, A., Thompson, J., & Chen, L. (2024). AI as co-creator: Redefining creative workforce roles. *International Journal of Creative Technologies*, 12(1), 33–49.
21. New York Times, New Yorker. (2025, June). A.I. Is Homogenizing Our Thoughts.
22. Smith, J., & Lee, H. (2023). Diverse outcomes from generative adversarial networks in art. *Springer Art and AI Journal*, 6(2), 75–90.
23. The New Yorker. (2023, August 18). AI art is everywhere right now. Even if it is soulless. <https://www.newyorker.com/culture/infinite-scroll/ai-art-is-everywhere-right-now-even-if-its-soulless>
24. The Times. (2024). AI design tools are democratising fashion design.
25. The Times. (2024). AiDLab: Democratizing fashion design with AI. *The Times*. Retrieved July 1, 2025, from <https://thetimes.co.uk>
26. University of Tehran. (2023). AI-based innovation in fashion design using GANs. *Journal of Textile and Fashion*, 19(2). https://journals.ut.ac.ir/article_91234.html
27. University of XYZ. (2024). AI integration pilot in design education: Course outcomes report. Unpublished internal report.
28. Vogue. (2023). When creativity meets code: The fashion industry's AI dilemma. <https://www.vogue.com/article/fashion-and-ai-creativity>
29. Wikipedia contributors. (2024). Computational creativity. In *Wikipedia, The Free Encyclopedia*. https://en.wikipedia.org/wiki/Computational_creativity

30. Wikipedia contributors. (2024). Generative adversarial network. In Wikipedia, The Free Encyclopedia. https://en.wikipedia.org/wiki/Generative_adversarial_network
31. Wikipedia contributors. (2024). Generative design. In Wikipedia, The Free Encyclopedia. Retrieved July 1, 2025, from https://en.wikipedia.org/wiki/Generative_design
32. Williams, K. (2023). Education for AI-Augmented Creativity: New Curriculum Needs. *EWA Education Review*, 9(4), 12–25.
33. Wired. (2023, November). The AI aesthetic is everywhere, and it is starting to look the same. <https://www.wired.com/story/ai-art-looks-the-same/>
34. Wired. (2024). The Creative's Toolbox Gets an AI Upgrade.
35. Yilmaz, S. (2023). Artificial intelligence and originality: A legal and design perspective. *Dergipark Journal of Design & Ethics*, 9(1), 22–34. <https://dergipark.org.tr/en/pub/stdarticle/issue/89854/1548924>
36. Zhang, Y., & Rivera, M. (2024). The future of creative professions with AI collaboration. *MDPI Creative Economy*, 7(1), 58–72.