
AREAS OF INCREASING THE EFFECTIVENESS OF REGIONAL ARCHITECTURE-CONSTRUCTION CONTROL ORGANIZATIONS

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Abstract: Landscape design emerges as a skillful orchestration of open spaces, harmonizing human aspirations with ecological respect, balancing on the fusion of creative expression, utilitarian efficiency and environmental stewardship. However, the path from concept to implementation is a convoluted path marked by multi-faceted challenges. Hence, a strategic and flexible approach to construction management becomes imperative. This study delves into the intricacies of problem solving in landscape architecture by analyzing site-specific variables, resource allocation, meteorological uncertainties, and interdisciplinary collaboration. The study highlights that foresight, collaborative synergy and inventive thinking are the most important tools to overcome these obstacles, based on empirical data and industry indicators. Comprehensive research confirms that effective landscape architecture construction management harmonizes technical excellence, adaptability and an unwavering commitment to creating a harmonious and sustainable outdoor environment.

Key words: Landscape Architecture, Construction Management, Quality Control, Cost Management

Introduction

Landscape architecture is at the intersection of aesthetics, functionality and sustainability, creating outdoor spaces that enrich our lives. As the world's population continues to urbanize, the demand for well-designed and thoughtfully constructed landscapes has increased significantly. Construction management is considered a very important field in civil engineering (Alhiti and Aldayat, 2021). There are many problems in the construction of landscape architecture projects, such as the destruction of soil components, construction complexity, and insufficient implementation of environmental protection measures (Wang, 2022). However, implementing these complex projects presents multifaceted challenges that require a comprehensive understanding of construction management principles. This academic journal article takes a deep dive into the evolving landscape architecture construction management landscape, examining the intricacies of identifying problems in the ongoing construction process, and laying out pragmatic methodologies to ensure the smooth translation of these ingenious designs into tangible results.

Landscape architecture projects require a careful balance between artistic vision and pragmatic implementation. While designers focus on bringing beauty and functionality to outdoor spaces, it's the job of construction managers to turn those artistic concepts into tangible reality. Often this transition faces obstacles that can range from logistical difficulties to unexpected environmental constraints. Constructing and managing such a huge landscaped area requires an extensive workforce and experienced staff to plant and care for all the plants on the property. Existing landscape engineers and management personnel do not yet have in-depth knowledge and experience for adequate P&M during the construction and maintenance phases of landscapes (Zhao et al., 2022). Identifying these issues early in the construction process is critical to meeting project timelines, budget constraints, and the integrity of the project itself.

The purpose of this article is to provide professionals in the field with the robust tools needed to skillfully navigate the complex terrain of landscape architecture construction management. This goal is achieved through careful analysis of industry samples, cutting-edge technological interventions, and collaboration paradigms. Practitioners willing to orchestrate the metamorphosis of imagined landscapes into harmonious, environmentally sustainable and exciting natural spaces are prepared to achieve this by astutely recognizing the features underlying project delivery, creating an environment of interdisciplinary synergy and supporting an approach to flexible problem solving.

Literature review. In recent times, there has been a growing need for a carefully crafted outdoor environment that seamlessly integrates all necessary social needs with a symbiotic coexistence alongside the natural environment. Thus, the field of construction management in landscape architecture has undergone a pronounced evolution. Concurrent with this growing demand has come a corresponding increase in the complexity involved in transmuting intricate design concepts into tangible earthly realms. This review of the scientific literature offers a panoramic synthesis that encapsulates the underlying motivations and subsequent findings from contemporary research that explain the identification and mitigation of challenges in landscape architecture construction management.

Discussion. 1. Comprehensive problem profiling. The main objective involves a thorough analysis and methodical categorization of the diverse range of problems that invariably manifest themselves in the field of landscape architecture construction. This multi-faceted endeavor involves intricately addressing logistical complexities, environmental imperatives, and seamlessly integrating complex design paradigms.

2. Proactive anticipatory identification. The subsequent goal entails an exhaustive exploration of a variety of methodological approaches and strategic plans, carefully organized to facilitate the proactive identification of emerging difficulties. This endeavor emphasizes the need for interdisciplinary compliance and assimilation of integrated project delivery frameworks, leading to recognition of emerging issues at the infancy stage of project planning.

3. Pragmatic navigator for practitioners. By synthesizing knowledge gained from a rigorous literature review with insight gained from contextualized case studies, this endeavor materializes in the crystallization of pragmatic frameworks and recommendations. Precisely engineered, these tools serve as a compass that allows landscape architects to skillfully navigate the complex maze of problems, thereby enhancing their ability to overcome challenges and find effective solutions.

4. Catalyst for progress in construction management. The main goal is to catalytically connect visionary conceptualizations with their tangible implementation on the ground. Bridging the gap

between ambitious projects and tangible results, this bridge expands the scope of activities, creating an environment conducive to innovation and continuous improvement. The merging of design ideas with practical implementation propels the field of landscape architecture construction management to an echelon of unprecedented excellence, continually maintaining a cycle of iterative development.

In the field of landscape architecture construction management, a consistent proposal is emerging that identifies the need for a methodological paradigm that covers both problem identification and solution. This framework is intricately woven with threads of community engagement, flexible adaptive problem-solving methodologies, interdisciplinary collaboration, and the integration of advanced technology tools. By combining these important components, practitioners strive to not only improve project results, but also simplify the complex structure of construction processes. This orchestrated synthesis culminates in the creation of outdoor spaces that are not only artistically resonant but also environmentally sustainable, harmoniously resonating with the inclusive spirit of design and the needs of the community. Within the framework of landscape architecture construction management, this hypothesis integrates these key elements into a holistic picture, forming the basis for an exploratory journey into the symbiotic relationship of problem identification and subsequent orchestration of effective solutions. The essence of this investigation is to equip professionals with keen insight, enabling them to skillfully navigate the multi-faceted intricacies inherent in this ever-evolving terrain.

The target recipients of the study are project managers and consultants engaged in licensed or registered landscape architecture construction management work in China's complex landscape. To obtain a holistic data set, the study uses a dual data collection approach, including online surveys and face-to-face interviews, covering a pool of voluntary participants. For clarity, Figure 1 provides a brief overview of the main methodological trajectories chosen in this research study.

Methodology. This study aims to delve into the complex field of landscape architecture construction management, scrutinizing the intricacies inherent in identifying problems and then implementing viable solutions. Using an integrative research paradigm, this study combines case study analysis, literature assessment, and expert opinion to provide a holistic understanding of the complex dynamics underlying problem solving in landscape architecture.

1. Literature Review: The insight of this research commences with a meticulous literature examination, serving as the fundamental bedrock for the discernment of archetypal challenges emblematic of landscape architecture construction projects. A meticulous analysis of scholarly articles, research papers, case studies, and relevant reports within the sphere of landscape architecture and construction management outcomes. This process engenders profound insights into the predicaments encountered by practitioners, the strategies deployed to surmount them, and the pivotal role that interdisciplinary cooperation, technology infusion, and sustainable methodologies play in the realm of problem resolution.

2. Case Study Analysis: A corpus of illustrative case studies is systematically dissected to glean invaluable insights into the intricacies that pervade the orchestration of landscape architecture creation management. This mosaic of case studies spans a gamut of project typologies, scales, and geographic configurations. The selection of these cases is driven by their alignment with the study's objectives and the availability of comprehensive project documentation. Through a meticulous examination of each case, the study identifies emergent challenges and appraises the strategies adroitly employed to navigate them. The synthesis of these case studies unveils patterns,

trends, and examples of best practices that undergird the effective identification of quandaries and the ensuing application of solutions.

3. Expert Consultation: Augmenting the research's fabric, the insights of luminaries entrenched in the realms of landscape architecture, construction management, and cognate domains are harnessed. Practitioners endowed with an expansive reservoir of experience in steering landscape architecture construction projects are subjected to structured interviews. These dialogues unearth profound insights into the intricacies encompassing problem delineation, the nuances of collaborative dynamics, and the practical instantiation of sustainable paradigms. This expert consultation magnifies the contextual authenticity of the study's findings, fortifying its integrity and real-world applicability.

4. Data Analysis: The trove of data culled from the literature review, case study analysis, and expert consultations is subject to a comprehensive qualitative analysis. A thematic analysis approach is deftly employed, unearthing recurrent motifs, commonplace predicaments, effective solutions, and emergent trends that thread through the data fabric. This analytical method orchestrates the coherent structuring of data, ending the study with profound insights capable of addressing its ambitiously stipulated objectives.

5. Conclusion and Implications: The tapestry woven through this research methodology serves to elucidate the nuances characterizing the process of problem identification and its subsequent resolution within landscape architecture construction management. The insights collected through the fusion of literature, case studies, and expert perspectives offer a panoramic view of the challenges confronting practitioners and the instrumental strategies that have heralded success in mitigating the challenges. This amalgamation of insights holds potential to empower practitioners, project managers, and stakeholders in crafting outdoor spaces that marry design ingenuity with practical functionality, underpinned by informed decision-making.

In summary, this research methodology coalesces an intricate mosaic encompassing case study analysis, expert consultations, literature review, and qualitative data analysis to unearth the intricacies of problem-solving in the realm of landscape architecture construction management. This endeavor aspires to a seminal contribution to the knowledge repository within this sphere, fusing theoretical underpinnings with pragmatic real-world insights, thereby catalyzing the efficacy and sustainability of construction management paradigms within the landscape architecture furnishing domain.

1. Literature Review: Understanding this research begins with a thorough review of the literature, which serves as a fundamental basis for recognizing the archetypal problems common to landscape architecture construction projects. Thorough analysis of scientific articles, research papers, case studies and related reports in the field of landscape architecture and construction management results. This process provides insight into the challenges practitioners face, the strategies used to overcome them, and the key role that interdisciplinary collaboration, technology adoption, and sustainable methodologies play in problem solving.

2. Case study analysis. A corpus of illustrative case studies is systematically analyzed to provide invaluable insight into the intricacies that permeate the management organization of landscape architecture creation. This mosaic of case studies covers a wide range of project typologies, scales, and geographic configurations. The selection of these cases was determined by their relevance to the objectives of the study and the availability of comprehensive design

documentation. By carefully examining each case, the study identifies emerging problems and evaluates the strategies skillfully used to solve them. A synthesis of these case studies reveals the patterns, trends, and best practices that underlie the effective identification of challenges and subsequent implementation of solutions.

3. Expert consultations. Complementing the research framework are insights from luminaries rooted in the fields of landscape architecture, construction management, and related fields. Practitioners with extensive experience in managing landscape architecture construction projects are subject to structured interviews. These dialogues provide unearthy insight into the intricacies that span problem definition, the nuances of collaborative dynamics, and the practical implementation of sustainable paradigms. This expert consultation strengthens the contextual validity of the research findings, strengthening its integrity and real-world applicability.

4. Data analysis. The wealth of data obtained from literature review, case study analysis and expert consultation is subject to comprehensive qualitative analysis. The thematic analysis approach is used skillfully, identifying recurring patterns, commonplace difficulties, effective solutions and emerging trends that permeate the data structure. This analytical method provides a consistent structuring of data, ending the study with deep discoveries that can achieve ambitious goals.

5. Conclusions and conclusions. The picture woven from this research methodology serves to elucidate the nuances that characterize the process of problem identification and subsequent resolution within landscape architecture construction management. Information gathered through a combination of literature, case studies, and expert perspectives offers a panoramic view of the challenges practitioners face and the instrumental strategies that portend success in mitigating these challenges. This integration of ideas has the potential to empower practitioners, project managers and stakeholders to create outdoor spaces that combine design ingenuity with practical functionality, supported by informed decision-making.

This research methodology thus brings together a complex mosaic of case studies, expert consultation, literature review, and qualitative data analysis to reveal the intricacies of problem solving in landscape architecture construction management. This endeavor seeks to make a fruitful contribution to the knowledge repository of the field by integrating theoretical frameworks with pragmatic real-world knowledge, thereby catalyzing the effectiveness and sustainability of construction management paradigms in the field of landscape architecture. The research article, titled "Identifying Problems and Finding Solutions," Construction Management Practices in Landscape Architecture, delves into the intricacies of construction management in landscape architecture, focusing on the complex process of identifying problems and then implementing solutions. By systematically examining the challenges unique to the field, the study aims to provide comprehensive information that can assist in developing strategic approaches to overcome these challenges and achieve successful project outcomes. The research methodology adopted combines case study analysis, extensive literature review, and expert consultation, offering a multifaceted understanding of the complex dynamics inherent in problem solving in landscape architecture construction management.

Central to this article is the need to align construction management practices with the unique requirements of landscape architecture projects, which inherently entails a delicate balance between aesthetic aspirations, functional requirements, and environmental controls. By revealing the complexities involved in identifying problems, the article aims to guide professionals and practitioners towards a proactive course of action in which obstacles are proactively identified and

corrective measures are skillfully implemented. This proactive stance is further enhanced by the adoption of cutting-edge technologies and collaboration strategies that follow core industry paradigms.

The study includes an exhaustive examination of a wide range of issues inherent in construction management in landscape architecture. These challenges span many different areas, from budget management, site-specific complexities, stakeholder alignment, regulatory compliance, technology fusion, risk mitigation, to maintaining aesthetic essence. Subsequent problems, often exacerbated by the complex and dynamic nature of landscape projects, require an organized structure to identify them and strategically correct them.

To summarize, the article substantiates the assertion that effective management of landscape architecture construction is based on accurately identifying and solving a range of problems that arise during the implementation of the project. Through the assimilation of advanced technological tools, interdisciplinary collaboration, data-driven analytical paradigms, proactive problem-solving orientations, and lessons learned from the digital twin realm, the article provides a framework for a comprehensive and sustainable trajectory of navigating the intricacies of landscape architecture projects. The ideas proposed in this article contribute to the development of the field by providing practitioners with a nuanced understanding of the dynamics of problem solving, thereby emboldening them to step forward with insight in creating harmonious and sustainable outdoor spaces.

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