



## Aims & Scope

Cultural Heritage is an open-access multidisciplinary journal of science and technology for deconstructing traditional paradigms in the field of cultural heritage and exploring its dynamic relationship with future societies. The journal focuses on three core missions:

**Critical Dialogue:** Introducing ecological concepts and non-anthropocentric perspectives to reconstruct heritage value evaluation systems;

**Technological Ethics and Future Imagination:** Critically examining the reshaping of heritage forms by technologies such as artificial intelligence, the metaverse, and blockchain, and proposing sustainable ethical frameworks for digital heritage;

**Interdisciplinary Laboratory:** Promoting deep integration of design, architecture, ecology, data science, sociology, and heritage studies to incubate innovative practices with social intervention.

We welcome papers that examine diverse topics within the scope of the journal, including, but not limited to:

### 1. Cultural Heritage Value and Future Challenges

**Circular Economy and Heritage Conservation:** Application design of low-carbon materials in cultural and creative products, and reuse design of waste materials in cultural heritage restoration (e.g., artistic regeneration of ancient architectural waste).

**Ecological and Social Adaptation Strategies:** Ecological engineering strategies for heritage in specific climatic regions (such as tide-proof facilities for coastal heritage and windbreak sand-fixation projects for arid zone heritage sites). Spatial design models for preventive protection of cultural heritage in extreme climates (e.g., movable protective covers, dynamic protection structures). Addressing social identity differences, exploring gamified education for youth and barrier-free experience design for people with disabilities to promote intergenerational transmission and inclusive sharing of heritage values.

**Technological Ethics and Digital Heritage Challenges:** Confronting ethical controversies of AI-generated heritage; addressing the survival risks of digital heritage and exploring 3D data format compatibility and intergenerational inheritance mechanisms for virtual heritage. Ethical disputes in commercial development of cultural heritage, and strategies for countering the appropriation of local cultural symbols in a globalized context.

**Expansion of Value Theories and Evaluation Innovations:** Breaking through traditional frameworks of history and aesthetics to explore emerging value dimensions

ISSN (Online) : 3079-3106

Website: <https://chjournal.org/>

such as ecological, emotional, and digital values; constructing inclusive evaluation systems with multi-stakeholder participation, integrating anthropological surveys, economic models, and design thinking tools to develop dynamic visual evaluation methodologies.

## 2. Design Innovation and Digital Regeneration of Cultural Heritage

**Interactive Design and Virtual Experience:** Design of virtual reality (VR) and augmented reality (AR) interactive systems for cultural heritage, application of digital twin technology in multi-sensory experiences, and UI/UX optimization for mobile-based cultural heritage communication.

**Graphic Design and Cultural Communication:** Artistic translation of 3D scan data, modern visual transformation of traditional patterns and symbols, and innovative expressions of digital media art in the dissemination of intangible cultural heritage.

**Long-term Preservation and Reuse of Digital Assets:** Design of blockchain-based copyright management systems for digital cultural relics; interface design of integrated databases for heterogeneous data (text, images, 3D models); cross-media transformation design of digital heritage, optimizing the design process from virtual modeling to physical derivatives.

## 3. Interdisciplinary Integration of Traditional Craftsmanship and Modern Technology

**Digital Protection of Handicrafts:** Empowering traditional crafts with technologies such as 3D printing and laser engraving, such as digital replication and innovative design of woodcarving and embroidery.

**Smart Tools and Intangible Heritage Inheritance:** Development of interactive teaching platforms (e.g., AR intangible heritage skill teaching systems), and research on AI-assisted traditional pattern generation algorithms.

**Contemporary Design Translation of Traditional Techniques:** Material innovation for intangible cultural heritage crafts, and modernization design of craft production processes (e.g., modular production, personalized customization system development).

## 4. Creative Transformation and Industrial Application of Cultural Heritage

**Modern Product Design with Cultural Elements:** Symbolic translation of traditional patterns in daily products, and innovative product development based on the functional prototypes of cultural relics.

**Cultural and Creative Industry Design:** Creative design expressions of cultural heritage in cultural and creative products; integrated design of industrial chains for characteristic resources in heritage sites (e.g., derivative development of intangible cultural heritage craftsmanship IP, packaging design with regional cultural themes); design practices of cultural heritage empowering rural revitalization (visual design of agricultural product brands, cultural tourism product development in traditional villages).

**Service Design and Heritage Value Delivery:** Design of experiential consumption scenarios themed on cultural heritage (craft workshops, immersive theaters); museum education service design based on user journeys (parent-child interactive installations, intergenerational cultural communication projects).

**Value Transformation Pathways and Social Impacts:** Studying the value realization mechanisms of "heritage+" integration models, including the integration of cultural tourism, agricultural innovation industrial chains, and the balance of social and economic benefits in industrial heritage transformation.

## 5. Spatial Narrative and Experiential Design for Cultural Heritage

**Narrative Restoration of Architectural Heritage:** Scene-based narrative design in historical building renovations (e.g., museum exhibitions, immersive experiences in heritage parks).

**Environmental Design and Cultural Landmark Creation:** Experience optimization of tourism routes in cultural heritage sites, and research on the interactive relationship between public art installations and historical blocks.

**Cross-media Spatial Design:** Application of digital projection and audio-visual technologies in activating urban historical spaces, such as the visual language construction of ancient city wall light shows.

**Heritage Adaptability in Architectural and Environmental Design:** Spatial narrative design in historical building renovations, and ecological sustainability strategies for landscape planning in cultural heritage sites.

## 6. Cultural Identity Construction in a Global Perspective

**Design Discourse on Cultural Identity and Heritage Representation:** Construction of visual identities for local cultural heritage in a global context (e.g., international expression strategies for national/regional cultural symbols); cross-regional design narratives of immigrant cultural heritage.

**Cross-cultural Design Dialogue:** Fusion practices of traditional Eastern aesthetics and Western modern design languages.

**Cultural Output in the Digital Age:** Communication design of cultural heritage on short-video and metaverse platforms, and innovative applications of local cultural elements in international brand collaborations.

**Design Interventions for Conflict and Reconciliation:** Emergency protection design for cultural heritage in war-torn areas, and research on public art interventions in cultural conflicts.

## Submission Requirements

1. This journal encourages interdisciplinary integration between the design discipline and fields such as architecture, ecology, sociology, and heritage studies, focuses on the application of emerging technologies including artificial intelligence, big data, blockchain, and metaverse, and highlights socially engaged designs centered on community collaboration and public education.
2. Manuscripts must be written **in English**, presenting original, unpublished research findings that possess both high academic value and practical application value, while complying with ethical and policy requirements such as cultural sensitivity, privacy, and intellectual property rights.
3. Submissions should be made via the journal's online submission system (<https://chjournal.org/>). **Manuscript formatting must strictly adhere to the template requirements** (please download the template from the submission system).
4. The journal implements a peer review system, inviting 2-3 experts in relevant fields to conduct rigorous reviews of manuscripts to ensure the academic quality and professional standards of published content.
5. As a quarterly journal, it adopts a rolling submission mechanism. The review process commences immediately upon manuscript submission. Accepted manuscripts will be scheduled for publication promptly; if the layout for the current issue is full, publication will be deferred to the next issue.

## Contact us

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## 宗旨与范围

**Cultural Heritage** 是一本开放获取的跨学科期刊，致力于解构文化遗产领域的传统范式，探索其与未来社会的动态关系。本刊聚焦三大使命：

- **批判性对话：**引入生态理念、非人类中心主义视角，重构遗产价值评估体系；
- **技术伦理与未来想象：**批判性审视人工智能、元宇宙、区块链等技术对遗产形态的重塑，提出可持续的数字遗产伦理框架；
- **跨学科实验场：**推动设计学、建筑学、生态学、数据科学、社会学与遗产研究的深度融合，孵化具有社会干预性的创新实践。

我们欢迎探讨本刊征稿范围内各类主题的论文，包括但不限于：

### 1. 文化遗产价值与未来挑战

**循环经济与遗产保护：**低碳材料在文创产品中的应用设计、废弃材料在文化遗产修复中的再利用设计（如古建筑废料的艺术化再生）。

**生态与社会适应策略：**沿海遗产防潮设施的景观化设计、干旱区遗址防风固沙工程的生态艺术表达；极端气候下文化遗产预防性保护的空间设计模型（如可移动保护罩、动态防护结构）。回应社会认同差异，探索青少年游戏化教育、残障群体无障碍体验设计，促进遗产价值代际传递与包容性共享。

**技术伦理与数字遗产挑战：**直面 AI 生成遗产的伦理争议；应对数字遗产存续风险，探索 3D 数据格式兼容、虚拟遗产跨代际传承机制。文化遗产商业化开发中的设计伦理争议，全球化背景下本土文化符号的挪用与反制策略。

**价值理论拓展与评估创新：**突破历史、美学传统框架，探索生态、情感、数字等新兴价值维度；构建多主体参与的包容性评估体系，融合人类学调查、经济学模型与设计思维工具，开发动态可视化评估方法论。

### 2. 设计创新与文化遗产的数字化再生

**交互设计与虚拟体验：**文化遗产的虚拟现实（VR）与增强现实（AR）交互系统设计，数字孪生技术在多感官体验中的应用、移动端文化遗产传播的 UI/UX 优化。

**平面设计与文化传播：**3D 扫描数据的艺术化转译、传统纹样、符号的现代视觉转化，数字媒体艺术在非物质文化遗产传播中的创新表达。

**数字资产的长期保存与再利用：**基于区块链技术的数字文物版权管理系统设计；

异构数据（文本、图像、三维模型）的整合性数据库界面设计；数字遗产的跨媒介转化设计，从虚拟建模到实体衍生品的设计流程优化。

### 3. 传统工艺与现代技术的跨学科融合

**手工艺数字化保护：**3D 打印、激光雕刻等技术对传统工艺的赋能，如木雕、刺绣的数字化复刻与创新设计。

**智能工具与非遗传承：**交互式教学平台开发（如 AR 非遗技艺教学系统），AI 辅助的传统图案生成算法研究。

**传统技艺的当代设计转译：**非遗手工艺的材料创新、手工艺生产流程的现代化改造设计（如模块化生产、个性化定制系统开发）。

### 4. 文化遗产的创意转化与产业应用

**文化元素的现代产品设计：**传统纹样在日用产品中的符号化转译、基于文物功能原型的创新产品开发。

**文创产业设计：**文化遗产在文创产品中的创意化设计表达；遗产地特色资源产业链整合设计（如非遗手工艺 IP 的衍生品开发、地域文化主题的包装设计）；文化遗产赋能乡村振兴的设计实践（农产品品牌视觉设计、传统村落文旅产品开发）。

**服务设计与遗产价值传递：**文化遗产主题的体验式消费场景设计（手工艺工坊、沉浸式剧场）；基于用户旅程的博物馆教育服务设计（亲子互动装置、跨代际文化传播项目）。

**价值转化路径与社会影响：**研究“遗产+”融合模式的价值实现机制，包括文旅农创产业链整合、工业遗产改造的社会经济效益平衡。

### 5. 文化遗产的空间叙事与体验设计

**建筑遗产的叙事性修复：**历史建筑改造中的场景化叙事设计（如博物馆展陈、遗址公园沉浸式体验）。

**环境设计与文化地标营：**文化遗产地旅游路线的体验优化，公共艺术装置与历史街区的互动关系研究。

**跨媒介空间设计：**数字投影、声光技术在城市历史空间活化中的应用，如古城墙光影秀的视觉语言构建。

**建筑与环境设计的遗产适应性：**历史建筑改造中的空间叙事设计，文化遗产地景观规划与生态可持续策略。



## 6. 全球化视野下的文化身份建构

**文化身份与遗产表征的设计话语：**全球化语境下本土文化遗产的视觉身份建构（如国家/地域文化符号的国际化表达策略）；移民文化遗产的跨地域设计叙事。

**跨文化设计对话：**传统东方美学与西方现代设计语言的融合实践。

**数字时代的文化输出：**短视频、元宇宙平台中的文化遗产传播设计，国际品牌合作中的本土文化元素创新应用。

**冲突与和解的设计干预：**战乱地区文化遗产的应急保护设计，文化冲突中的公共艺术介入研究。

## 征稿要求

1. 本刊鼓励设计学科与建筑学、生态学、社会学与遗产研究等领域跨学科交叉，关注人工智能、大数据、区块链、元宇宙等新兴技术的应用，突出社区协作、公众教育类社会参与性设计。
2. 稿件须以英文撰写，应为未公开发表的原创研究成果，兼具较高学术价值与实际应用价值，符合文化敏感性、隐私与知识产权等伦理政策要求。
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