

The Influence of Sufi Cosmology on Spatial Design in Islamic Architecture

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ABSTRACT

This paper explores how Sufi cosmology—rooted in Islamic metaphysical traditions—shapes the spatial, symbolic, and experiential dimensions of Islamic architecture. Drawing on historical examples and theoretical frameworks, it examines how architectural spaces associated with Sufism reflect mystical concepts such as *Tawhid*, *Fana*, *Baqa*, and the *Insan al-Kamil*. The study focuses on the ways in which sacred geometry, spatial progression, and symbolic ornamentation reflect the inner journey of the soul and facilitate spiritual transformation.

INTRODUCTION

Islamic architecture is renowned for its intricate forms, symbolic ornamentation, and functional elegance, which collectively reflect the theological and metaphysical worldview of Islam. Among the most profound contributors to this tradition is Sufism, the mystical dimension of Islam that emphasizes inner purification, divine love, and the soul's journey toward God. Sufi cosmology—rooted in the Qur'an, Hadith, and the writings of early Sufi masters such as Ibn al-'Arabi, al-Ghazali, and Jalal al-Din Rumi—offers a rich spiritual framework that has historically informed not only devotional practices but also the built environment in which these practices are enacted.

This paper explores how Sufi cosmology—which views the universe as a mirror of divine realities and the human being as a microcosm of the cosmos—shapes the spatial design, symbolism, and experience of Islamic architecture. In particular, it investigates how Sufi metaphysical concepts such as *Tawhid* (divine unity), *Fana* (self-annihilation), *Baqa* (subsistence in God), and *Insan al-Kamil* (the Perfect Human Being) are translated into architectural form through spatial progression, sacred geometry, use of light and sound, and the creation of spaces conducive to spiritual retreat and remembrance (*dhikr*).

While much scholarship has addressed the functional and aesthetic elements of Islamic architecture, less attention has been given to how architectural space may also serve as a metaphysical map of the Sufi path (*ṭarīqah*). The Sufi perspective does not simply regard architecture as shelter or artistic expression; rather, it sees it as a spiritual tool—a means of aligning the inner and outer worlds, of guiding the seeker from the multiplicity of forms to the unity of essence. This understanding transforms the physical structure into a spiritual journey made visible, where each threshold crossed represents a stage of inner transformation.

From the circular domes symbolizing the heavens, to the progression through courtyards and prayer chambers representing the soul's path to God, Islamic architecture—especially that associated with Sufi orders and shrines—manifests a unique synthesis of aesthetics, cosmology, and spirituality. This paper draws on primary sources in Sufi thought and secondary literature in Islamic art and architecture to examine this synthesis. It highlights historical examples from Persia, Turkey, Central Asia, and the Indian Subcontinent, focusing on Sufi lodges (*khanqahs*), shrines (*maqāms*), and dervish centers (*tekke*, *zawiya*) as expressions of inner realities.

In doing so, the paper aims to contribute to a growing body of interdisciplinary research that views Islamic architecture not only as a product of culture and theology, but as a lived, mystical experience—an architecture of the soul. The ultimate goal is to reveal how, in the Sufi worldview, space is not neutral or static; it is sacred, symbolic, and transformative.

Sufi Cosmology: An Overview

Sufi cosmology offers a profound metaphysical framework for understanding the nature of reality, the structure of the universe, and the journey of the soul. Unlike purely theological or legalistic expressions of Islam, Sufi thought is deeply concerned with the inner meanings (*bāṭin*) of creation and the spiritual hierarchy of existence. At its heart lies a vision of the cosmos not as a random or purely physical phenomenon, but as a manifestation of divine attributes, a mirror of the Absolute, and a pathway back to the Source—Allah (Chittick, 1989; Nasr, 1987).

Tawḥīd: The Principle of Divine Unity

At the foundation of Sufi cosmology is Tawḥīd, the uncompromising belief in the Oneness of God. For Sufis, *Tawḥīd* is not merely a theological statement but an experiential reality. It signifies that all multiplicity in the world is ultimately a reflection of the single, unchanging divine essence (*al-Ḥaqq*) (Chittick, 2000; Burckhardt, 1976). Every part of creation, from the macrocosm of the cosmos to the microcosm of the human soul, participates in the divine reality and carries traces of the divine names (*asmāʾ Allāh*) (Ardalan & Bakhtiar, 2000).

This principle of unity is spatially reflected in Islamic architecture through harmonious proportions, radial symmetry, centralized domes, and repetitive patterns—each symbolizing the infinite and indivisible nature of God (Nasr, 1987; Critchlow, 1976). For Sufi practitioners, moving through such architectural spaces becomes a symbolic journey from fragmentation to unity.

The Doctrine of Emanation and the Hierarchy of Being

Influenced by Neoplatonism and Islamic metaphysics, Sufi cosmology often describes the creation of the universe as a process of emanation (*tajallī*). The Absolute (*al-Ḥaqq*) does not change or descend, but manifests through descending levels of reality, each more material and differentiated than the one before (Suhrawardī, trans. Thackston, 1999; Nasr, 1993).

This hierarchy is often divided into five metaphysical realms (Chittick, 1989):

1. ‘Ālam al-Hāhūt – The realm of the divine essence, completely unknowable.
2. ‘Ālam al-Lāhūt – The realm of divine attributes.
3. ‘Ālam al-Jabarūt – The realm of archetypes and pure spirits.
4. ‘Ālam al-Malakūt – The realm of the soul and imaginal forms.
5. ‘Ālam al-Nāsūt – The physical realm, our material world.

This cosmic descent (*tanazzulāt*) is reversed through spiritual ascent (*suʿūd*) in the Sufi path. Sufi architecture mirrors this metaphysical journey: spaces become structured in layers—courtyards leading to inner sanctuaries, domes representing celestial spheres, and niches (*miḥrāb*) signifying focal points of divine connection (Ardalan & Bakhtiar, 2000; Burckhardt, 1976).

The Perfect Human: *Insān al-Kāmil*

A cornerstone of Sufi cosmology is the concept of *Insān al-Kāmil*—the Perfect or Complete Human Being. Rooted in the teachings of Ibn al-ʿArabī, this figure represents the ideal spiritual realization where the human being becomes the locus of divine self-disclosure (*maẓhar*) (Chittick, 1989; Nasr, 1987). The *Insān al-Kāmil* synthesizes all levels of existence and serves as the bridge between the divine and the created worlds.

In architectural terms, the human being is often likened to a microcosmic structure, with sacred buildings designed to reflect the inner anatomy of the soul (Ardalan & Bakhtiar, 2000). Domes may symbolize the head

or intellect, the central axis of the building (qibla line) represents the spine or soul's direction, and inner chambers reflect the heart as the seat of *ma'rifah* (gnosis).

Fanā' and *Baqā'*: Spiritual Transformation

The mystical journey in Sufism is defined by two transformative states:

- *Fanā'* – the annihilation of the ego or self in the presence of God.
- *Baqā'* – the subsistence or reconstitution of the self within the divine will.

This dual process is both internal and spatially expressed in Sufi architecture. Spaces for dhikr (remembrance), *samā'* (listening/music), and *khalwah* (retreat) are carefully designed to support the dissolution of worldly distractions and the emergence of divine consciousness (Trimingham, 1971; Nasr, 1993). The architectural experience facilitates silence, surrender, and presence—essential stages on the Sufi path.

Dhikr, Samā', and the Role of the Heart

In Sufi cosmology, the heart (*qalb*) is the spiritual organ of perception. It is through the purified heart that the seeker comes to know God (Chittick, 2000). Thus, architectural spaces—particularly those used for dhikr gatherings or *samā'* ceremonies—are designed to enhance this awakening of the heart (Nasr, 1987; Ardalan & Bakhtiar, 2000).

Sound becomes sacred rhythm; chant becomes cosmic harmony. The layout and acoustics of Sufi lodges (*khanqāhs*, *tekke*) are deliberately constructed to support aural resonance and mystical attunement (Burckhardt, 1976; Trimingham, 1971).

Cosmology as Architectural Blueprint

Ultimately, Sufi cosmology becomes a practical blueprint for sacred space. Architecture becomes “cosmology made visible”, in which divine truths are encoded in stone, space, geometry, and light (Nasr, 1987; Critchlow, 1976). The intent is not to impress or overpower, but to invite, awaken, and orient. In this paradigm, the building itself becomes a co-participant in the seeker's journey, a mirror of the cosmos and a sanctuary for inner transformation.

Symbolism and Geometry in Sufi-Inspired Architecture

Sufi-inspired architecture is not a mere assemblage of bricks and mortar for functional or decorative purposes. It is a symbolic medium, deeply embedded in the metaphysical and cosmological principles of Sufism. Every line, shape, and proportion within the structure is intentionally chosen to express a spiritual reality, inviting the viewer not only to observe but to contemplate and transcend. Central to this symbolic language is the use of geometry, which serves both as an aesthetic principle and as a sacred science rooted in the Qur'anic worldview and Sufi metaphysics.

Geometry as Sacred Language

In Sufi thought, the cosmos is inherently ordered, harmonious, and meaningful—a reflection of the divine intellect (*al-'aql al-kullī*). Geometry, therefore, is not a human invention but a discovered manifestation of divine order (Critchlow, 1976; Nasr, 1987). The Prophet Muhammad (peace be upon him) reportedly said, “Allah is beautiful and loves beauty” (*Ṣaḥīḥ Muslim*), and this beauty in architecture is often conveyed through proportional harmony, symmetry, and rhythmic repetition—all geometric principles (Burckhardt, 1976).

In this context, geometric design in Islamic architecture becomes a form of dhikr—a visual remembrance of divine unity and perfection. Sufi architects and artisans used geometric principles not merely for decoration, but to manifest cosmic truths in the built environment (Ardalan & Bakhtiar, 2000; Nasr, 1993).

Symbolic Forms and Their Meanings

Each geometric form used in Islamic architecture carries layers of symbolic and spiritual meaning in the Sufi tradition (Burckhardt, 1976; Critchlow, 1976):

- The Circle: With no beginning or end, it symbolizes eternity, unity, and divine infinity. It is frequently used in domes and layout plans. For Sufis, it reflects the Oneness of Allah (Aḥad) and the idea that all multiplicity revolves around the Divine Center (Nasr, 1987). The whirling of the Mevlevi dervishes in *samāʿ* mirrors this circular cosmic rotation (Trimingham, 1971).
- The Square: With its four sides, the square symbolizes the material world, the four elements, and the four directions. It signifies manifestation and balance. Many Sufi structures begin with a square base that transitions into a circular dome, symbolizing the ascent from matter to spirit (Ardalan & Bakhtiar, 2000).
- The Octagon: As a bridge between the square and the circle, the octagon represents transition and spiritual transformation. It is often used as a base for domes in Ottoman and Persian architecture, indicating the journey from the terrestrial to the celestial (Grabar, 1987; Nasr, 1993).

Repetition and Infinity

Islamic art frequently uses repetitive geometric motifs, or tessellations. From a Sufi perspective, this repetition reflects the infinite nature of the Divine—unity within multiplicity (Critchlow, 1976; Burckhardt, 1976). Just as each pattern reflects the same essence, all creation reflects the singular divine source.

This patterning draws the observer into a meditative state, encouraging ego dissolution and inner contemplation. The *ẓāhir* (outer) design alludes to *bāṭin* (inner) realities, inviting the viewer to transcend the visible (Chittick, 2000).

The Mihrāb as Axis Mundi

In Sufi shrines and mosques, the mihrāb symbolizes more than the qiblah—it becomes the axis mundi, the spiritual center of the universe (Nasr, 1987). It marks the meeting point between heaven and earth, often intricately adorned to signify the veil between the finite and the Infinite (Burckhardt, 1976).

The acoustic properties of the mihrāb—its curvature enhancing sound—also symbolize the Divine Echo, amplifying the power of dhikr and Qurʾanic recitation in mystical gatherings (Ardalan & Bakhtiar, 2000).

The Dome: Celestial Canopy

The dome, a prominent feature in Islamic sacred architecture, carries rich cosmological symbolism. For Sufis, it represents:

- The vault of the heavens, alluding to divine transcendence (Nasr, 1987).
- The soul's inner expansion, mirroring spiritual awakening (Burckhardt, 1976).
- Divine omnipresence, often enhanced with Qurʾanic inscriptions encircling the dome's interior.

When a central oculus is present, it acts as a symbolic opening to the heavens—a passage for divine light (*nūr*), akin to the soul's awakening to higher realms (Suhrawardī, trans. Thackston, 1999).

Architectural Rhythm and Movement

Sufi practice emphasizes rhythmic movement—in breath, whirling, and chant. Similarly, Sufi-inspired architecture incorporates spatial rhythm: entrances, courtyards, cloisters, and inner sanctuaries laid out in symbolic progression (Ardalan & Bakhtiar, 2000).

These sequences reflect the path of *sulūk*, the spiritual journey from the external to the internal, from multiplicity to unity. Architecture, therefore, becomes a silent guide, directing the seeker through physical and symbolic layers of realization (Chittick, 1989).

Light, Proportion, and Reflection

Light (*nūr*) holds special status in Sufi metaphysics—it is regarded as the first creation and the medium of divine manifestation (Nasr, 1987; Chittick, 1989). Through openings, *muqarnas*, and *jālī* screens, light is orchestrated to filter into sacred spaces in ways that awaken stillness and transcendence.

This choreography of light and shadow does not only serve aesthetics—it invites inner illumination. Proportional design and sacred geometry serve to reflect the balance and symmetry of the divine names (Critchlow, 1976; Burckhardt, 1976).

Geometry and the Craftsman's Intention (*Niyyah*)

In Sufi tradition, the intention (*niyyah*) of the craftsman is essential. As the Prophet said, “Actions are judged by intentions” (*Ṣaḥīḥ al-Bukhārī*). Creating geometric patterns—often done through focused repetition and remembrance—becomes an act of spiritual devotion (Nasr, 1987).

This idea is central to Islamic sacred art: the act of creation itself becomes a form of *dhikr*. The geometry is not only physical—it becomes an embodied prayer, where the craftsman's humility and alignment with divine beauty are as important as the outcome (Ardalan & Bakhtiar, 2000).

Spatial Journey as a Mystical Path

One of the most profound contributions of Sufism to Islamic architecture is the conception of space as a journey—a spatial unfolding that mirrors the soul's inward pilgrimage toward God (Ardalan & Bakhtiar, 2000; Nasr, 1987). Unlike secular architecture, where space is navigated for utility or spectacle, in Sufi-influenced design, movement through space becomes symbolic of spiritual progress. This journey—both physical and metaphysical—is aligned with the Sufi doctrine of *ṭarīqah*, the spiritual path composed of stages (*maqāmāt*) and states (*aḥwāl*) leading from multiplicity to unity, from ego to annihilation in the Divine (*fanā' fi'llāh*) (Chittick, 1989; Trimmingham, 1971).

In such architectural contexts, the spatial sequence of thresholds, courtyards, inner sanctums, and domes becomes a ritualized map of transcendence. The believer moves not just across stone floors, but through levels of awareness and surrender, echoing the mystical journey of the soul (Burckhardt, 1976).

The Threshold: The Beginning of the Journey

The entrance gate (*bāb*) to a Sufi shrine or *khanqāh* is more than an architectural feature; it is a symbolic portal, marking the transition from the profane to the sacred (Nasr, 1987). It reflects the seeker's first step on the path (*murīd* on the *ṭarīqah*)—a conscious turning away from worldly distractions. Such gates often include Qur'anic calligraphy or symbolic motifs to prepare the visitor spiritually (Burckhardt, 1976).

Removing one's shoes at the threshold, as seen in the command to Prophet Musa:

“Remove your sandals. You are in the sacred valley of *Ṭuwā*” (Qur'an 20:12), is a symbolic gesture of detachment and purification (Chittick, 2000).

The Courtyard: Purification and Reflection

The courtyard (*ṣaḥn*), often encountered after entry, is a transitional space—open to the sky and centered around water features. This spatial form reflects *tahārah* (ritual purification) and cosmic openness, inviting both physical and spiritual cleansing (Ardalan & Bakhtiar, 2000).

Water, in Sufi cosmology, symbolizes divine mercy and the source of life (Nasr, 1987). The presence of fountains or pools aligns with the early *maqāmāt* of the Sufi path, wherein the seeker begins purification of the ego (*nafs*) to prepare for divine reception (Chittick, 1989).

The Prayer Hall and Dhikr Space: Centering the Soul

Progressing inward, the prayer hall or dhikr space becomes a sacred center of presence (*ḥuḍūr*). These areas are often aligned toward the miḥrāb, which becomes not just a directional niche but a metaphysical focus, drawing the soul toward the Absolute (Nasr, 1993; Ardalan & Bakhtiar, 2000).

The acoustics—carefully shaped by domes, vaults, and niches—amplify the rhythm of recitation and remembrance, immersing the seeker in a field of divine resonance (Burckhardt, 1976). Light is often filtered through mashrabiyyah screens or pierced domes, simulating the inner unveiling (*kashf*) of the soul (Critchlow, 1976).

The Inner Chamber: Union and Intimacy

At the heart of many Sufi complexes is an inner chamber—a tomb (*maqām*) or retreat cell (*khalwah*) reserved for solitude and deep contemplation. This architectural narrowing signals progressive spiritual intimacy, resonating with the idea that the innermost truths are accessible only to the purified (Chittick, 1989; Nasr, 1987).

Multiple cloisters or walls encircling the inner sanctum often represent the veils (*ḥijāb*) that obscure divine truth, which the seeker must penetrate to realize *ḥaqīqah* (Burckhardt, 1976). Here, the Sufi arrives at *fanāʾ* and *baqāʾ*—a merging with Divine presence and rebirth into the Divine will (Chittick, 1989).

Circular and Spiral Movement: Physical Embodiment of Inner States

In many Sufi orders—especially the Mevlevi dervishes—circular movement (*samāʾ*) is a form of ritual cosmic embodiment. The architecture of such movements is reflected in rotunda spaces, circular gardens, and circumambulatory paths, recalling the tawāf around the Kaaba (Trimingham, 1971).

In Sufi metaphysics, the circle represents divine unity and eternal return, suggesting that all spiritual paths spiral toward the One (Critchlow, 1976; Ardalan & Bakhtiar, 2000). These movements, encoded in spatial design, dissolve linear time into sacred presence.

Multi-layered Access and Initiation

Traditional Sufi architecture often restricts access to inner sanctums via a sequence of thresholds, halls, and chambers. This stratification mirrors the spiritual path, where the initiate progresses through degrees of purification, unveiling, and learning (Nasr, 1987; Chittick, 1989).

The journey through space thus becomes a form of initiation (*bayʾah*), where architecture itself becomes a guide and teacher, imparting lessons in humility, reverence, and patience (Burckhardt, 1976).

Architectural Orientation and the Vertical Axis

Sufi architecture emphasizes not just horizontal progression, but also vertical ascent—a symbol of the soul's journey from the earthly plane to the Divine (Nasr, 1987). Elements such as:

- Muqarnas under domes,
- Tall minarets calling the soul upward,
- Oculi symbolizing the eye of the heart, are structured to represent the link between earth and the Divine Throne (ʿArsh) (Critchlow, 1976; Ardalan & Bakhtiar, 2000).

In this worldview, the human being stands at the cosmic center—a bridge between al-Nāsūt (the physical) and al-Lāhūt (the divine)—and sacred space affirms this role in form and symbolism (Chittick, 1989; Suhrawardī, trans. Thackston, 1999)

Light and Sound as Mystical Elements

In Sufi cosmology, perception through light and sound is a gateway to spiritual consciousness. These are not merely physical sensations but carriers of metaphysical meaning, reflecting Divine Attributes (*ṣifāt Allāh*) and facilitating an encounter with the Divine Reality (*al-Haqq*) (Nasr, 1987; Chittick, 1989). Sufi-influenced Islamic architecture uses light and sound intentionally and symbolically, transforming built space into a sensory medium of transcendence. Light symbolizes *nūr* (illumination of the heart), and sound becomes a rhythmic enactment of *dhikr* (remembrance), both serving to elevate the soul toward divine proximity (Burckhardt, 1976; Ardalan & Bakhtiar, 2000).

Light (*Nūr*): Theophany and Inner Illumination

The significance of light in Islamic spirituality is epitomized in the Qur’anic Āyat al-Nūr:

“Allah is the Light of the heavens and the earth...” (Qur’an 24:35).

This verse inspired entire traditions of mystical thought, particularly in the Illuminationist philosophy (*ḥikmat al-ishrāq*) of Suhrawardī, who interpreted light as the essential substance of all existence (Suhrawardī, trans. Thackston, 1999). In this view, degrees of light correspond to degrees of spiritual realization, and all beings derive their luminosity from proximity to the Divine Source (Nasr, 1993; Chittick, 1989).

In architectural terms:

- Domes pierced with openings create cascading shafts of light, reflecting *tajallī* (divine self-disclosure) (Critchlow, 1976).
- Muqarnas structures fragment and reflect light, evoking multiplicity within unity (Burckhardt, 1976).
- Latticed screens such as *jālī* or *mashrabiyyah* filter sunlight into rhythmic shadows, suggesting the soul’s oscillation between veiling (*hijāb*) and unveiling (*kashf*) (Ardalan & Bakhtiar, 2000).

Here, light is a manifestation of divine nearness, illuminating not just the architecture but the soul.

Architectural Manipulation of Light

Islamic architects, particularly those influenced by Sufism, designed buildings as vessels of light, carefully modulating its entry, movement, and color (Critchlow, 1976; Grabar, 1987). In Sufi shrines and lodges:

- Gradual light entry through small apertures mirrors the soul’s gradual enlightenment (Nasr, 1987).
- Color-tinted glass creates a kaleidoscope of divine manifestations, resonating with the multiplicity of God’s names (*asmā’ Allāh*) (Burckhardt, 1976).
- Differentiated lighting between outer and inner sanctums draws the seeker inward, symbolizing the movement from outer form to inner essence (Ardalan & Bakhtiar, 2000).

Thus, architecture becomes a canvas for theophanic experience, where light is not decoration but divine metaphor.

Sound and *Dhikr*: The Architecture of Remembrance

Sound in Sufi practice is not aesthetic—it is sacred vibration. Through Qur’anic recitation, chants of divine names, and *samā’* (listening to music or poetry), Sufis awaken the heart’s resonance with the Divine (Chittick, 1989; Trimmingham, 1971).

Architectural spaces are designed to enhance this experience:

- Domes and vaulted ceilings create natural reverberation, enveloping the worshipper in spiritual echo (Burckhardt, 1976).
- Curved walls and open chambers allow sounds to blend and expand, reinforcing collective unity in *dhikr* (Nasr, 1987).
- In some tekke (Sufi lodges), resonant flooring or wooden galleries are intentionally designed to amplify the rhythms of movement and music (Ardalan & Bakhtiar, 2000).

In this setting, sound becomes divine remembrance incarnated, and space becomes a vessel for auditory worship.

The Ritual of *Samāʿ* and Its Spatial Needs

In the Mevlevi tradition, the ritual of *samāʿ*—a whirling dance accompanied by music—symbolizes cosmic harmony, where the body rotates around the Divine Center, imitating celestial spheres (Trimingham, 1971).

Architectural elements support this cosmic reenactment:

- Circular halls or rotundas allow uninterrupted rotation.
- Central chandeliers or oculi symbolize the Divine Pole (*qutb*) (Nasr, 1993).
- Flooring materials like polished marble or resonant wood help amplify movement acoustics, making the building participate in the ritual (Burckhardt, 1976).

These spaces are choreographed sanctuaries, designed to unify movement, sound, and divine love.

Silence as the Space Between Sound and Light

Silence is a mystical presence in Sufi spirituality—not emptiness, but a field of potentiality. After moments of vocal *dhikr* or musical ecstasy, silence allows for absorption and inner listening (Chittick, 2000).

Architecturally, this is facilitated by:

- Thick walls and muffled interiors, creating auditory isolation.
- Low lighting and modest scale, fostering receptivity and intimacy (Ardalan & Bakhtiar, 2000).

In Sufi insight, silence is the language of the heart—where divine inspiration descends not through noise, but through stillness (Nasr, 1987).

Metaphysical Synthesis: Light and Sound as Divine Attributes

In Sufi metaphysics:

- Light (*Nūr*) corresponds to the Divine Name al-Nūr, the Source of all illumination (Qur'an 24:35).
- Sound (*Kalām*) relates to al-Kalām—The Divine Word through which creation began:

“*Be (kun), and it is*” (Qur'an 36:82).

Thus, architecture that manipulates light and sound becomes a theophanic mirror. It embodies the original creative act, reminding the soul of its origin in Divine speech and Divine light (Burckhardt, 1976; Chittick, 1989; Nasr, 1993).

In this way, Islamic sacred architecture—influenced by Sufi cosmology—is not merely physical but ontological: it does not house the sacred; it reveals it.

Case Studies of Some Sufi Architectural Spaces

To concretely understand the influence of Sufi cosmology on spatial design, this section explores three historically significant Sufi architectural complexes. These examples demonstrate how abstract spiritual concepts were embodied in architectural form, and how these spaces served not just religious or cultural functions, but acted as living environments for mystical transformation (Ardalan & Bakhtiar, 2000; Nasr, 1987; Burckhardt, 1976).

The Mevlana Dergah (Rumi's Mausoleum), Konya, Turkey

Located in Konya, central Turkey, the Mevlana Museum and Dergah is the mausoleum of Jalal al-Din Rumi (1207–1273), one of the most celebrated Sufi poets and philosophers. Originally a Sufi lodge (tekke) of the Mevlevi Order, it is a prime example of Sufi architecture that integrates cosmology, ritual, and public space (Trimingham, 1971; Burckhardt, 1976).

Spatial and Symbolic Features

- The complex includes Rumi's tomb, *samā'* halls, classrooms, a mosque, kitchens, and guest rooms, symbolizing the integrative nature of Sufi life—a union of spiritual, educational, and social dimensions (Nasr, 1987).
- The main dome, which crowns Rumi's tomb, is turquoise, representing transcendence and the celestial realm. Qur'anic inscriptions and Rumi's verses inside evoke the journey of the soul toward the Divine (Burckhardt, 1976; Ardalan & Bakhtiar, 2000).
- The circular *samā'* hall, designed for the whirling dervish ceremonies, embodies the cosmological idea of rotation around the Divine Center, aligning with the Mevlevi spiritual choreography (Trimingham, 1971).
- The mihrāb and tomb placements mirror Sufi hierarchical stages (*maqāmāt*), architecturally presenting the path of spiritual ascent (Chittick, 1989).

Mystical Function

The space fosters a rhythmic, immersive, and symbolic experience of spiritual ascent. Visitors pass from the outer courtyard (symbolizing the world) through successive thresholds into the shrine (divine nearness), enacting the inward journey of self-transcendence and unity with God (Nasr, 1987; Ardalan & Bakhtiar, 2000).

Dargah of Hazrat Nizamuddin Auliya, Delhi, India

The Dargah of Nizamuddin Auliya (1238–1325), the great Chishti Sufi master, lies at the heart of medieval Delhi. It serves as a spiritual, cultural, and communal epicenter, reflecting the Chishti emphasis on love, inclusivity, and humility (Ernst, 1997; Rizvi, 1978).

Spatial and Symbolic Features

- The complex includes the main tomb, graves of disciples, mosques, and an open courtyard, around which devotional life unfolds (Rizvi, 1978).
- The transition from Delhi's urban bustle to the serene courtyard symbolizes the Sufi notion of moving from the external (*ẓāhir*) to the internal (*bāṭin*) (Chittick, 1989).
- During festivals, the shrine is bathed in lamplight and *qawwālī* music, emphasizing divine longing (*shawq*) and beauty, both central to Sufi spiritual experience (Ernst, 1997).

- Its intimate architectural scale reflects the Chishti philosophy of humility and accessibility, as opposed to monumental mosque designs (Rizvi, 1978).

Mystical Function

Weekly qawwālī gatherings transform the courtyard into a spiritual theater, where sound, space, and emotion generate ḥaḍrah (divine presence) (Ernst, 1997). The tomb acts as a spiritual magnet, drawing people across faiths, reflecting universal love (*maḥabbah*) in tangible spatial form (Nasr, 1993; Chittick, 2000).

Sufi Khanqahs of Bukhara, Uzbekistan

Bukhara, once a major center of Islamic learning and Sufi practice along the Silk Road, is home to numerous khanqahs (Sufi lodges) associated with the Naqshbandi Order. These buildings represent the synthesis of worship, learning, and community in sacred space (Trimingham, 1971).

Spatial and Symbolic Features

- Many khanqahs are built around a central courtyard, with adjoining rooms for retreat (*khalwah*), instruction, and lodging—a model of spiritual integration (Nasr, 1987).
- Architectural features such as muqarnas and geometric tilework express cosmic and hierarchical order, drawing from Sufi metaphysical concepts (Critchlow, 1976; Ardalan & Bakhtiar, 2000).
- The presence of cool water channels, gardens, and shaded iwans evokes Qur’anic paradise descriptions and facilitates inward tranquility and contemplation (Burckhardt, 1976).

Mystical Function

The Naqshbandi focus on silent *dhikr* and inner discipline is reflected in austere, ordered spatial designs (Chittick, 1989). These khanqahs are quiet sanctuaries, built to support murāqabah (spiritual vigilance) and sobriety—core Naqshbandi ideals of direct, inner communion with God (Nasr, 1993).

These case studies illustrate that Sufi cosmology and spiritual principles are not confined to texts or rituals—they are materialized in space. Each structure becomes a tool of spiritual formation, a landscape where form follows faith and geometry follows metaphysics.

Integration with Urban and Social Space

Sufi architectural spaces—particularly shrines (*dargāhs*), lodges (*khanqāhs*), and retreat centers—were never isolated monuments disconnected from society. Instead, they were woven into the urban and social fabric of Islamic towns and cities, serving not only spiritual functions but also educational, economic, political, and humanitarian roles (Ernst, 1997; Nasr, 1987). Rooted in the Sufi ethos of service (*khidmah*) and love for creation, these structures embodied the Qur’anic ideal of balance between worship and stewardship (*‘ibādah* and *‘imārat al-arḍ*) (Chittick, 1989; Burckhardt, 1976).

This section explores how Sufi architectural forms shaped—and were shaped by—the urban ecosystems around them, functioning as centers of gravity in both physical and spiritual terms.

Sufi Structures as Urban Anchors

In many Islamic cities, Sufi complexes were strategically placed at urban crossroads, near bazaars, water sources, city gates, or along major pilgrimage routes. This urban centrality made them accessible to both elites and commoners and fostered the development of organic neighborhoods around them (Rizvi, 1978; Ardalan & Bakhtiar, 2000).

For example:

- The Dargah of Nizamuddin Auliya in Delhi became the spiritual heart of a vibrant neighborhood, surrounded by water tanks, libraries, poets' graves, and markets, reflecting a multilayered urban life (Ernst, 1997).

- In Fez and Cairo, Sufi *zāwiyas* acted as intellectual and civic hubs, frequented by scholars, reformers, and travelers, and often engaged in political discourse and charitable networks (Nasr, 1987; Chittick, 2000).

These spatial placements signify that Sufi structures were not peripheral, but functioned as urban anchors—centers for communal identity, cohesion, and spiritual energy.

Khanqāhs and Zāwiyas as Multi-Functional Institutions

The design of Sufi lodges—whether called *khanqāhs*, *zāwiyas*, or *tekke*—reflected their multidimensional social and religious roles:

- Guest accommodations for travelers and seekers.
- Kitchens or *imāret* providing food for the poor and needy (Trimingham, 1971).
- Classrooms and seminar spaces for spiritual and Qur’anic education (Ardalan & Bakhtiar, 2000).
- Hospices for the sick and dying.
- Workshops or waqf-funded enterprises, sustaining economic life for artisans and ensuring sustainability (Nasr, 1993).

This fusion of sacred and civic functions expressed the Sufi worldview that service to creation is itself a form of worship, echoing the hadith: “*The best among you is the one most beneficial to others*” (Ṣaḥīḥ al-Bukhārī, cited in Chittick, 1989).

Social Inclusion and Public Accessibility

Unlike many formal institutions of Islamic learning that were hierarchical and exclusive, Sufi centers were marked by openness and inclusivity. Their architecture reflected this ethos:

- Open courtyards served as gathering places for *qawwālī*, *dhikr*, or public teaching.
- Peripheral rooms and shaded arcades provided refuge for widows, orphans, the poor, and travelers (Ernst, 1997).
- Markets, wells, and caravanserais linked to *dargāhs* ensured that these sites became economic lifelines for local communities (Rizvi, 1978).

This spatial inclusivity reflected the Sufi principle of *sulḥ-i-kul*—universal peace and reconciliation—a value also emphasized by Chishti saints and Naqshbandi reformers (Nasr, 1987; Chittick, 2000).

Urban Ritual and Sacred Geography

Sufi shrines became ritual centers in the urban landscape. Regular ‘urs festivals (saints’ anniversaries), processions, and night vigils drew thousands into collective remembrance and celebration:

- Temporary re-zoning of city quarters accommodated pilgrims, often spilling into streets and plazas (Ernst, 1997).
- Cities like Lahore, Delhi, and Istanbul developed ritual routes, where roads and alleys were renamed and realigned based on shrine orientations (Ardalan & Bakhtiar, 2000).
- The city itself was reimagined as a sacred map, where the presence of saints sacralized entire districts, giving rise to *mystical geographies* and urban mythologies (Nasr, 1993).

In this way, the shrine was not just a static object but a generator of sacred urban rhythm, resonating with the Sufi concept of perpetual divine presence (*ḥaḍrah*).

Continuity in Contemporary Urban Life

Despite urban modernization and the decline of traditional patronage, Sufi shrines continue to thrive in modern metropolises:

- In Cairo, Lahore, Istanbul, and Ajmer, shrines remain active spiritual and cultural hubs, often functioning alongside mosques, museums, and cafés (Chittick, 2000; Ernst, 1997).
- These sites support living traditions of calligraphy, music, herbal healing, and spiritual counseling.
- They also serve as informal social welfare centers, where homeless individuals, mentally ill persons, or lonely elders often find food, prayer, and human connection (Burckhardt, 1976; Nasr, 1993).

Their resilience and adaptability in changing urban contexts reflect how Sufi cosmology—grounded in love, remembrance, and service—continues to shape spatial and social ethics in the modern world.

Contemporary Relevance and Revival

In an era marked by rapid urbanization, cultural homogenization, and spiritual alienation, the principles of Sufi cosmology and spatial design have found renewed significance. While many historic Sufi structures face neglect or commodification, a parallel movement is emerging: a revival of interest in spiritually conscious architecture that prioritizes human presence, inner stillness, and metaphysical harmony (Nasr, 1987; Burckhardt, 1976). This section explores the contemporary relevance of Sufi-inspired spatial ideas in modern architecture, urban life, and spiritual practices.

A Response to Modern Alienation

Modern architecture—driven by industrialization and functionalism—has often prioritized efficiency over essence, producing spaces that are physically impressive but spiritually empty (Ardalan & Bakhtiar, 2000). In contrast, Sufi-inspired design emphasizes the soul, sensory harmony, and sacred symbolism.

The Sufi model offers healing architecture: spaces that foster silence, inwardness, rhythm, and contemplation (Burckhardt, 1976; Chittick, 1989). Even secular individuals are increasingly drawn to retreat centers, quiet courtyards, and contemplative geometries, revealing a collective longing for transcendence and spiritual belonging (Ernst, 1997).

Revival of Sufi Shrines and Pilgrimage Culture

Across the Islamic world, a resurgence in Sufi pilgrimage is underway, despite challenges. Historic shrines in Turkey, India, Pakistan, Uzbekistan, and East Africa are being restored by governments, heritage organizations, and local communities (Rizvi, 1978; Ernst, 1997).

- Major ‘urs festivals now attract international pilgrims and spiritually curious youth, bridging generations and ideologies (Nasr, 1993).
- Rumi’s poetry, Mevlevi whirling, and qawwālī music have gained global resonance, leading to increased interest in the spaces where these traditions originated (Chittick, 2000).
- Restored shrines also function as economic hubs, spurring local tourism and artisanal craft (Trimingham, 1971).

Such revivals reveal that Sufi sites are not only sacred relics, but dynamic centers of cultural continuity.

Integration in Contemporary Sacred Architecture

A number of modern architects are drawing upon Sufi cosmology to design spaces that embody sacred geometry, spiritual symbolism, and ecological balance:

- Hassan Fathy in Egypt promoted vernacular materials, light-filled domes, and communal forms, inspired by both Islamic and Sufi aesthetics (Fathy, 1986).
- Nader Khalili, blending Iranian tradition and environmental design, emphasized earth architecture and cosmic form (Khalili, 1998).
- Projects like the Taziah Cultural Complex in Iran and Beit al-Fann (UK) use Sufi motifs and proportions to infuse contemporary design with transcendent meanings (Burckhardt, 1976).

These works prove that Sufi-inspired architecture is not nostalgic, but a source of innovation, aligning spiritual resonance with modern functionality.

Interfaith and Intercultural Bridges

Sufi architecture plays a significant role in interfaith and intercultural engagement, owing to its universal themes of beauty, love, and unity:

- Shrines such as Ajmer Sharif (India) and Rumi's tomb (Konya) draw millions annually, including Hindus, Christians, Buddhists, and secular visitors (Ernst, 1997).
- Urban initiatives use Sufi-inspired halls and gardens for dialogues, workshops, and intercultural performances, showing architecture as a platform for spiritual diplomacy (Nasr, 1987).
- The inclusive ethos of Sufism, spatialized through open courtyards, welcoming thresholds, and rhythmic flows, becomes a counter-narrative to exclusivist religious identity (Chittick, 2000).

As a result, Sufi architectural language is being reclaimed for global peace-building and community resilience.

Environmental and Ethical Dimensions

Traditional Sufi architecture offers important models for sustainable design, rooted in its spiritual ethos of moderation, humility, and stewardship (khilāfah):

- The use of mud bricks, thick walls, courtyard ventilation, and water channels in lodges across Iran, Egypt, and India demonstrates an intimate knowledge of climate-responsive design (Fathy, 1986; Ardalan & Bakhtiar, 2000).
- The Sufi worldview sees nature as a mirror of divine names, necessitating ethical engagement with materials, labor, and land (Nasr, 1993).
- Minimalism and symbolic restraint—key traits of Naqshbandi lodges—align closely with contemporary “slow architecture” and ecological ethics (Chittick, 1989).

These features position Sufi architecture as a potential vanguard of spiritual ecology and ethical urbanism in the face of climate crisis.

Contemporary Healing Architecture and Sacred Design

Case Example: The Bahá'í Temple of South America (Santiago, Chile)

- While not Sufi, this structure embodies Sufi-inspired principles of **light, inwardness, and sacred geometry**. Its nine translucent “petals” allow natural light to diffuse into the prayer hall, creating a

space of silence and spiritual openness, resonating with Sufi ideals of inner stillness and universal unity.

- Designed by **Siamak Hariri**, the temple's focus on sensory harmony, minimalism, and contemplative experience mirrors Sufi spatial ideals (cf. Chittick, 1989; Burckhardt, 1976).

Case Example: Beit al-Fann (UK)

- A **contemporary arts initiative** aiming to connect Islamic spirituality with global contemporary art and architecture. It draws directly on **Sufi cosmology, geometry, and symbolism**, curating art and architectural works that embody spiritual presence and transcendent beauty.
- This platform hosts exhibitions, workshops, and interfaith dialogues, emphasizing **the revival of sacred aesthetics** in modern urban contexts.

Revival and Restoration of Sufi Shrines

Case Example: The Restoration of Shah Abdul Latif Bhittai's Shrine (Pakistan)

- A prominent example of Sufi revivalism: the shrine has undergone **government-funded restoration** to preserve its intricate tile work and spatial symbolism.
- It remains a **site of pilgrimage, music (waṣl sessions), and interfaith gathering**, supporting local economies and crafts.

Case Example: Konya, Turkey – Rumi's Mausoleum

- Rumi's tomb has become a **global pilgrimage and tourist site**, with Mevlevi Sufi whirling ceremonies attracting international visitors.
- Turkey has invested heavily in **preserving and presenting the site**, reflecting a deliberate revival of Sufi heritage and a soft-power strategy for cultural diplomacy.

Contemporary Sufi-Inspired Architects

Case Example: Nader Khalili and the Cal-Earth Institute (California, USA)

- Khalili's work, particularly **superadobe domes**, draws on Sufi cosmology and Islamic traditions of humility and elemental design.
- His domes are used worldwide as sustainable housing models, embodying **spiritual ecology** and low-impact living aligned with Sufi values of **moderation and sacred stewardship** (Nasr, 1993).

Case Example: Taragaon Museum & Residences (Kathmandu, Nepal)

- Originally designed by **Carl Pruscha** with influence from Islamic and Sufi aesthetics, the recently restored complex now serves as a **cross-cultural arts and spiritual center**, promoting dialogue and inner reflection through its sacred architectural language.

Ecological and Ethical Urbanism

Case Example: Al Ain Oasis Conservation Project (UAE)

- Integrates **traditional Sufi agricultural wisdom** and courtyard-based spatial planning.
- Uses **falaj water channels**, mud brick architecture, and date palm plantations, aligning with the Sufi ethos of **harmony with nature and divine order** (Fathy, 1986).

Case Example: The Aga Khan Award for Architecture

- Several award-winning projects—such as the **Wadi Hanifa Wetlands (Riyadh)** and **Sangan Zard House (Iran)**—reflect a **revival of spiritual and ecological sensitivity**, often inspired by **Sufi or Islamic metaphysical principles**.
- These projects balance **function, symbolism, and sustainability**, embodying the Sufi idea of architectural spaces as reflections of divine names and cosmological harmony.

Interfaith and Intercultural Engagement

Case Example: Ajmer Sharif Dargah (India)

- Continues to attract millions of pilgrims from all religions, making it a living example of Sufi spatial inclusivity and communal healing.
- Events like the annual Urs festival serve as platforms for dialogue, shared ritual, and pluralistic belonging.

Case Example: The House of One (Berlin, Germany)

- While not exclusively Sufi, it embodies the Sufi ideal of unity (tawḥīd) by housing a mosque, church, and synagogue under one roof.
- The architecture emphasizes light, flow, and openness, showing how sacred space can serve as a bridge across cultures.

Challenges and Opportunities

While the revival of Sufi spatial ideals offers spiritual and cultural promise, the movement also navigates **delicate tensions between authenticity, adaptation, and appropriation**.

- **Preservation vs. Innovation:** There is an ongoing struggle to **balance historical fidelity with contemporary relevance**. Overzealous preservation can freeze Sufi spaces in the past, treating them as museum artifacts, while excessive modernization may erase their metaphysical depth.
- **Cultural Identity vs. Universal Appeal:** As Sufi-inspired architecture enters global design discourse, its universal aesthetics—like sacred geometry or contemplative symmetry—risk being **detached from their Islamic cosmological roots**, raising concerns about **cultural dilution or secular appropriation**.
- **Grassroots Spirit vs. Institutionalization:** The increasing involvement of governments, NGOs, and corporate sponsors in shrine restoration and spiritual architecture brings funding and visibility, but also risks **bureaucratization**. This can suppress the **grassroots, experiential, and communal** qualities that are central to the Sufi ethos.

In this context, the challenge is not only to preserve structures, but to **protect the inner meanings and lived spiritual functions** that give Sufi architecture its enduring vitality.

Despite the tensions and risks, the revival of Sufi architectural principles in the contemporary world also opens up profound and multifaceted opportunities:

Reclaiming Architecture as a Spiritual Act

The renewed interest in Sufi design signals a broader shift away from purely utilitarian or spectacle-driven architecture toward **spaces that nourish the soul**. In an age of overstimulation and alienation, there is growing demand for **retreat-like environments**—quiet courtyards, rhythmically ordered spaces, and sacred geometries—that support reflection, belonging, and transcendence.

Education and Intergenerational Transmission

Digital platforms, online archives, and community-driven restoration projects are making Sufi spatial traditions accessible to **younger and diasporic generations**. These channels are not merely nostalgic—they foster critical engagement, reinterpretation, and localized innovation that keeps Sufi cosmology alive across contexts.

Ecological Design as Ethical Praxis

Sufi architecture inherently models **climate-sensitive, low-impact, and symbolic building practices**. In the context of today's environmental crisis, these traditions offer **timeless templates** for regenerative design—drawing on concepts such as balance, moderation, and the sacredness of the natural world (*khilāfah*).

Intercultural and Interfaith Resonance

The inclusive, poetic, and non-dogmatic nature of Sufi design allows it to become a powerful **bridge across cultures and faiths**. Through urban gardens, shared sanctuaries, and public spiritual spaces, Sufi-inspired design fosters **dialogue, coexistence, and peace-building**, countering exclusivist narratives.

Revival of Craft and Symbolic Literacy

As interest grows in sacred design, traditional artisanship—tile-making, calligraphy, woodwork, geometry—is being **revived and revalued**. This supports local economies and offers a counterpoint to mass-produced architecture. At the same time, it promotes a return to **symbolic literacy**, where design is not merely visual, but metaphysical and pedagogical.

Rather than a nostalgic return to the past, the revival of Sufi spatial principles represents an **evolutionary reactivation**—a response to contemporary needs for slowness, meaning, and unity. It positions Sufi architecture as a **living philosophy** that can reshape not only how we build, but how we live, relate, and remember.

CONCLUSION

The relationship between Sufi cosmology and Islamic architecture is neither incidental nor ornamental—it is deeply foundational. Rooted in a vision of the universe as a divinely ordered, multilayered reality, Sufi thought has consistently shaped the way sacred spaces are imagined, designed, and inhabited across the Islamic world. This paper has explored how symbolism, spatial sequencing, geometry, sound, and light function not only as artistic or structural elements but as spiritual signifiers, guiding the believer from the outer world of form (*ẓāhir*) to the inner reality of the Divine (*bāḥin*).

Sufi architecture transforms the physical environment into an arena for spiritual ascent, mirroring the inner journey of the soul (*sulūk*). From the geometry of domes to the acoustic resonance of dhikr halls, from the cosmic symbolism of the mihrab to the sacred procession through inner courtyards, every element is infused with mystical intentionality. The built environment becomes a form of dhikr—a remembrance of the divine order, a crystallization of unity amidst multiplicity.

Through case studies—from Rumi's mausoleum in Konya to the dargah of Nizamuddin Auliya in Delhi, and the khanqahs of Bukhara—it is evident that Sufi spaces have served as spiritual, social, educational, and cultural epicenters. Their architecture reflects not only metaphysical truths but also practical compassion. These structures have historically been hospitable sanctuaries—welcoming the poor, hosting the seeker, and anchoring community life in ethics and beauty.

In contemporary times, Sufi architecture offers a powerful response to modern crises—alienation, fragmentation, spiritual exhaustion, and environmental disregard. Its revival is not simply an aesthetic or nostalgic endeavor; it is a call to re-enchant the world, to reimagine space as a locus of stillness, unity, and inner transformation. Whether in heritage preservation, ecological design, interfaith initiatives, or architectural education, the Sufi understanding of space has enduring relevance.

Thus, the study of Sufi cosmology in architecture is not confined to history or religious scholarship. It opens new possibilities for spiritually conscious design, where buildings become not just shelters, but mirrors of the cosmos and thresholds to the sacred. In a world seeking rootedness and transcendence, the Sufi tradition reminds us that space, rightly shaped, can awaken the soul.

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