




University of Moratuwa, Sri Lanka.  
Electronic Theses & Dissertations  
[www.lib.mrt.ac.lk](http://www.lib.mrt.ac.lk)


---


## *Bibliography*


## BIBLIOGRAPHY

---

- 1) Alexander, C. ( 1987 ) *A New Theory Of Urban Design* New York; Oxford University Press.
- 2) Alexander, C ( 1977 ) *A Pattern Language*, New York; Oxford University Press.
- 3) Appleyard, D. ( 1981 ) *Liveable Streets*, Berkley; University of California Press.
- 4) Arnheim, R. ( 1977 ) *The Dynamics of Architectural Form*, Berkley; University of California Press.
- 5) Bachelard, Gaston ( 1969 ) *The Poetics of Space*, Boston; Beacon Press.
- 6) Banz, G. ( 1970 ) *The elements of Urban Form*, U.S.A.; McGrawhill Co. Ltd.
- 7) Benavalo, L.  University of Moratuwa, Sri Lanka  
Electronic Theses & Dissertations  
www.lib.mrt.ac.lk ( 1979 ) *The History Of The City*, London; Scholar Press.
- 8) Braithwaite, L. ( 1976 ) *Canals in Towns*, London; Adam & Charles Black.
- 9) Broadbent, G. ( 1990 ) *Emerging Concepts in Urban Space Design*, New York; Van Nostrand Reinhold.
- 10) Canter, D. ( 1970 ) *The Psychology Of Place*, London; The Architectural Press.
- 11) Cave, H.W. ( 1908 ) *The Book of Ceylon*, London; Cassell and Company Ltd.
- 12) Ching, F.D.K. ( 1979 ) *Architecture, Form, Space And Order*, New York; Van Nostrand Reinhold Company.

- 13) Coomaraswamy, A.K. ( 1960 ) *Yaksas: Essays on Water Cosmology*, New Delhi; Oxford University Press
- 14) Cullen, G. ( 1961 ) *The Concise Townscape*, New York; Van Nostrand Reinhold
- 15) Day, C. ( 1990 ) *Places of the Soul*, London; The Aquarian Press.
- 16) Design Council ( 1979 ) *Street Ahead*, London; Design council.
- 17) Farmer, B & Louw ( 1993 ) *Companion to Contemporary Architectural Thought*, London; Routhedge.
- 18) Forgeur, B. ( 1992 ) *Living in Amsterdam*, London; Thames & Hudson Ltd.
- 19) Forgeur, B. ( 1992 ) *Living in Venice*, London; Thames & Hudson Ltd.
- 20) Granham, H.L.  University of Moratuwa, Sri Lanka  
Electronic Theses & Dissertations  
www.lib.mrt.ac.lk ( 1985 ) *Maintaining the Spirit of the Place: A process for the Preservation of Town Character*, U.S.A.; PDA Publishers.
- 21) Goshing, D. ( 1984 ) *Concepts of Urban Design*, London; Academy Edition.
- 22) Heckscher A. ( 1913 ) *Open Spaces*: The Life of American Cities; New York Harper & Row.
- 23) Hulugalle, H.A. J. ( 1965 ) *Century Volume of the Colombo Municipal Council, Sri Lanka*; The Colombo Municipal Council
- 24) Jacobs, A.B. ( 1995 ) *Great Streets*, Cambridge; MIT Press.

- 25) Jellicoe, S. & G. ( 1971 ) *Water: The Use of Water in landscape*, London; Adam & Charles Black.
- 26) Jellicoe, G & S ( 1987 ) *The Landscape Of Man*, London; Thames and Hudson.
- 27) Krier, R. ( 1979 ) *Urban Space*, London; Academy Editions.
- 28) Langer, S. ( 1953 ) *Feeling and Form*, London; Routedledge and Kegan Paul Ltd.
- 29) Loier, F. ( 1988 ) *Paris in 19<sup>th</sup> Century: Architecture and Urbanism*, New York; Abberille Press.
- 30) Lynch, K. ( 1981 ) *The Image Of the City*, Cambridge; MIT Press.
- 31) Lynch, K.  University of Moratuwa, Sri Lanka.  
Electronic Theses & Dissertations  
www.lib.mrt.ac.lk ( 1981 ) *Good City Form*,  
Massachusetts; MIT Press.
- 32) Moor, C. ( 1994 ) *Water + Architecture*, London; Thames and Hudson Ltd.
- 33) Morris, A.E.J. ( 1979 ) *The History of the Urban Form: Before Industrial Revolution*,  
New York; John Wiley & Sons Inc.
- 34) Moughtin, C. ( 1992 ) *Urban Design; Street and Square*, Oxford; Butteworth Heinemann.
- 35) Mumford, L. ( 1961 ) *The City in History*, New York; Harcourt Brace World.
- 36) Relph, H. ( 1976 ) *Place and Placelessness*,  
London; Pion Ltd.

- 37) Rottenberg, R. ( 1993 ) *The Cultural Meaning of Urban Space*, London; Bergin and Garvey.
- 38) Rudofsky B. ( 1964 ) *The Street for People*, New York; Anchor Press/Doubleday.
- 39) Schultz, C.N. ( 1971 ) *Existence, Space and Architecture*, London; Studio Vista.
- 40) Scott, J. ( 1980 ) *The Architecture of Humanism*, London; The Architectural Press.
- 41) Simonds, J. O. ( 1981 ) *Landscape Architecture: The Shaping of Man's Natural Environment*, New York; McGrawhill Book co. Ltd.
- 42) Tibbals, F. ( 1992 ) *Making People Friendly Towns: Improving the Public Environments in Towns and Cities*, England; Longman Group UK Ltd.
- 43) Trancik, R.  University of Moratuwa, Sri Lanka  
Electronic Theses & Dissertations  
www.lib.mrt.ac.lk (1986) *Finding Lost Space*, New York; Van Nostrand Reinhold.
- 44) Venturi, R. ( 1966 ) *Complexity and Contradiction in Architecture*, New York; Niloma.
- 45) Yi-fu Tuan ( 1977 ) *Space and Place: The perspective of experience*, Washington D.C.; The conservation Foundation.
- 46) Venezia, Edizioni ( 1972 ) *Venice: Queen of the Sea*, Venice; Ditta Giuseppe Gerlin.
- 47) Wylson, A. ( 1986 ) *Aquatecture: Architecture and Water, London*; The Architectural Press.
- 48) Zucker, P. ( 1959 ) *Town and Square*, New York; Colombian Press.



University of Moratuwa, Sri Lanka.  
Electronic Theses & Dissertations  
[www.lib.mrt.ac.lk](http://www.lib.mrt.ac.lk)

## *List of Figures & Illustrations*

---

<b>Fig: No:</b>	<b>Description</b>	<b>Page</b>
<b>Chapter One</b>		
Fig: (1.1)	A scene from Vilpattu	02
Fig: (1.2)	Death in the Vanni; Drought hit the Mavillu tank	04
Fig: (1.3)	Location of first civilisations	04
Fig: (1.4)	Scene on the river Kelani	05
Fig: (1.5)	Scene on the river Kelani	05
Fig: (1.6a)	Inside the harbour –Colombo	06
Fig: (1.6b)	View of the river Ganges in India	06
Fig: (1.7)	The Dutch port, Jaffna	07
Fig: (1.8)	Falling waters, engage our senses	08
Fig: (1.9)	Reflective waters stirs the heart	08
Fig: (1.10a)	Reflective water with architecture	09
Fig: (1.10b)	Reflective water with architecture	09
Fig: (1.11)	Water garden Sigiriya	09
Fig: (1.12)	A painting of Leonardo da Vinci	10
Fig: (1.13)	Villus of Vilpattu	10
Fig: (1.14a)	Physical purification of waters	11
Fig: (1.14b)	Spiritual dependence on waters	11
Fig: (1.15)	A view of the Scutari on the Arabia-Yugoslavia border	11
Fig: (1.16)	Contemplative waters	12
Fig: (1.17a)	Entertaining with water	13
Fig: (1.17b)	Entertaining in water	13

Fig: (1.18a)	Boating along rivers	13
Fig: (1.18b).	Boating along rivers	13
Fig: (1.19)	Water in the dynamic forms	14
Fig: (1.20a)	The silence of still waters	14
Fig: (1.20b)	The silence of still waters	14
Fig: (1.21)	Lakes and pools are of still waters	15
Fig: (1.22)	Early settlements in Anuradhapura	16
Fig: (1.23)	Rivers often segregate ideals, lifestyles or economic classes and domain.	17
Fig: (1.24a)	Plan of the city of Rome Italy	17
Fig: (1.24b)	Plan of Paris, France	17
Fig: (1.25)	A view of the Grand Canal	18
Fig: (1.26a)	Plan of Venice, Italy	18
Fig: (1.26 b)	Plan of Amsterdam, The Netherlands	18
Fig: (1.27)	Infinite waters magnifies the finite limits	19
Fig: (1.28)	Rhythmic waves crashing on the beaches	20
Fig: (1.29)	A typical section through a <i>water-space</i> .	22
Fig: (1.30)	water in a rural setting	24
Fig: (1.31)	A typical section through a rural setting	24
Fig: (1.32)	A view of Hong Kong	25
Fig: (1.33)	A typical section through an urban setting	26
<b>Chapter Two</b>		
Fig: (2.1)	The piazza St Marco, Venice: Plan	33
Fig: (2.2)	Waterbody as a strong defining element	34
Fig: (2.3)	Le Corbusier's St. Die Centre	34



Fig: (2.4)	A waterbody as an anti-space	34
Fig: (2.5)	Highways as visual and physical barriers	36
Fig: (2.6)	Buildings are monuments in a park	37
Fig: (2.7)	A typical section through a backwater	39
Fig: (2.8)	Lower Peak Forests canal Manchester	39
Fig: (2.9)	The Huddersfeild Narrow Canal	40
Fig: (2.10a)	Ryder's Green Locks	41
Fig: (2.10b)	the Lanchester canal in England	41

### Chapter Three

Fig: (3.1)	A map of the city of Colombo showing the Location of the Beira lake	46
Fig: (3.2)	A view from the Beira lake	47
Fig: (3.3)	A view from the Beira Lake	48
Fig: (3.4)	A view of the Beira Lake	48
Fig: (3.6)	A View from the Beira Lake	49
Fig (3.7)	Land use map around the Beira Lake	50
Fig: (3.8)	A view from the Beira lake	50
Fig: (3.9)	A map shows the canal network of Colombo	51
Fig: (3.10)	A Plan showing Boston Harbourfront	53
Fig: (3.11)	The neglected space along Boston Harbourfront	54
Fig: (3.12)	The pattern of the Boston's future	54
Fig (3.13)	The original plan of Goteborg Sweden	55
Fig: (3.14)	A diagrammatic plan of Lilla Bommen	56
Fig: (3.15)	Ariel view of the Jarntorget	57
Fig: (3.16)	A diagrammatic plan of Jarntorget	58

Fig: (3.17)	Babylon. General plan of Nebuchadnezzar's city	61
Fig: (3.18 )	The plan of Miletus 470B.C.	63
Fig: (3.19)	Map of the town of Kandy	65
Fig: (3.20a)	Public space around the Kandy Lake	66
Fig: (3.20b)	Public space around the Kandy Lake	66
Fig: (3.21)	A view of the lake	67
Fig: (3.22)	Venice, the location of the city islands in the lagoon	68
Fig: (3.23)	Venice; a historical map	68
Fig: (3.24)	Venice, general plan	68
Fig: (3.25)	the Grand Canal: Venice	69
Fig: (3.26)	A part plan of Venice	69
Fig: (3.27)	The Bridge of Sighs in Venice	69
Fig: (3.28)	Grand Canal at the railway station	70
Fig: (3.29)	A view from the Grand Canal	70
Fig: (3.30)	The Grand Canal's significance buildings	71
Fig: (3.31a)	Above: Palazzo Corner Della Regina and palazzo Persano	71
Fig: (3.31b)	Below Ca'd Oro, Venice	71
Fig: (3.32)	San Marco, Venice	72
Fig: (3.33)	Amsterdam in 1240 The original settlement	73
Fig: (3.34)	Amsterdam in the beginning of the 19 <sup>th</sup> century	73
Fig: (3.35)	linking the network through small transverse canals	74
Fig: (3.36)	Huge business houses located along The Amsterdam waterfront	74
Fig: (3.37)	Quiet shady bridges lined with trees link the Water-space with the spaces of the city	74

Fig: (3.38)	The network of canal and bridges linking the different parts of the city	75
Fig: (3.39)	A view along the Amsterdam waterfront	75
Fig: (3.40)	Paris from 1180 – 1223	76
Fig: (3.41)	Part plan of the river Serine	77
Fig: (3.42)	Paris; the network of connections	77
Fig: (3.43)	Plan of Boston harbourfront	80
Fig: (3.44)	Part plan Boston	81
Fig: (3.45)	Proposed in-fill development; Lilla Bommen	83
Fig: (3.46)	Proposed in-fill development; Jarntorget	83
Fig: (3.47)	Proposed in-fill development; Kungspotrplatsen	84
Fig: (3.48)	Proposed in-fill development; Stenpiren	84

#### Chapter Four

Fig: (4.1)	A building interior as an architectural space	89
Fig: (4.2)	A square as an architectural space	89
Fig: (4.3)	Physical order along waterways	90
Fig: (4.4)	Unity along waterways	91
Fig: (4.5)	Church of Salute, Venice	92
Fig: (4.6)	Church of Salute, Venice	93
Fig: (4.7)	Rhythm of Amsterdam lives	94
Fig: (4.8)	A view along a canal in Venice	94
Fig: (4.9)	Small restaurants along Amsterdam waterfront	95
Fig: (4.10)	St. Marco Venice	96
Fig: (4.11a)	Diagram of an inaccessible entity	97
Fig: (4.11b)	Diagram of an accessible entity	97

Fig: (4.12a)	Boston harbourfront as a Backwater	101
Fig: (4.12b)	Boston redevelopment	101
Fig: (4.13)	A diagram of public access to the waterfront	103
Fig: (4.14)	spatial relationships of a place	104
Fig: (4.15a)	Physical links direct and strong	104
Fig: (4.15b)	Physical links indirect and weak	104
Fig: (4.16)	Functional relationships of a place	105
Fig: (4.17a)	View of St. Marco Venice	105
Fig: (4.17b)	View of St. Marco Venice	105
Fig: (4.18)	Spatial transition of a living entity	107
Fig: (4.19)	Square/piazza of a house	110
Fig: (4.20)	Square/piazza of a city	110
Fig: (4.21)	St. Marks Venice	111
Fig: (4.22)	Centrality of activities	111
Fig: (4.23)	Square as a dominant physical features	112
Fig: (4.24)	Linked square	112
Fig: (4.25)	Piazza Del Campidoglio, Rome	112
Fig: (4.26)	St.Peters Rome	113
Fig: (4.27)	Independence square, Colombo	113
Fig: (4.28)	Water-Space as a Water-Square	114
Fig: (4.29)	Plan showing activity pattern	115
Fig: (4.30)	A conceptual section through the water-square	115
Fig: (4.31)	conceptual plan of a water-square	116
Fig: (4.32)	A conceptual section through the water-square	116

Fig: (4.33)	A conceptual physical form of a water-square	117
Fig: (4.34)	A pedestrian street	118
Fig: (4.35a)	A street as an arena for interaction	119
Fig: (4.35b)	A street as a site for ritual observations	119
Fig: (4.36)	Path and the place on a street	120
Fig: (4.37)	Unity on a street	120
Fig: (4.38)	Rhythm on a street	120
Fig: (4.39)	Typical plan through a water-street	121
Fig: (4.40)	Typical section through a water-street	121
Fig: (4.41a)	Activities along the water-street	122
Fig: (4.41b)	Activities along the water-street	122
Fig: (4.42)	A conceptual plan layout of a water-street	123

