

Landscape and Perception: A systematic review

Supplementary material

Table S1: Number of articles selected in each journal

Number of articles	Journal
31	Landscape and urban planning
14	Land use policy
12	Landscape Research
10	Journal of Environmental Management Urban Forestry & urban Greening Sustainability
5	Building & Environment Procedia-Social & Behavioral Sciences
4	Applied Geography Environmental research & public health Journal of Digital Landscape Architecture Journal of rural studies
3	Ecological Indicators Ecology & Society Fresenius Environmental Bulletin Journal of Environmental Psychology Land Society & Natural Resources
2	Alam cipta Ecological Economics Ecological engineering Ecosystem Services Energy Research & Social Science Environment & Behavior Journal of Forest Research Journal of urban planning & Development Landscape Ecology Science of the total Environment
1	Ambio Annaler: Series B, Human Geography Annals of Tourism Research Applied Energy Applied Environmental Education & Communication Architecture & Art Area Atmosphere Biotechnology & Biotechnological Equipment Computers, Environment & urban systems Društvena istraživanja : časopis za opća društvena pitanja Eco.mont Ecology Ecological Informatics Environmental impact Assessment Review Environmental monitoring and assessment

Number of articles	Journal
	European Countryside
	European planning studies
	European Journal of Environmental sciences
	FOREST Ecology & Management
	Forest Sciences
	Geographia Polonica
	Geografisk Tidsskrift- Danish Journal of Geography
	International Review for Spatial Planning & Sustainable Development
	Journal of Archaeological Method & Theory
	Journal of Archaeological Science
	Journal of Environmental Engineering & Landscape Management
	Journal of Environmental planning & Management
	Journal of Environmental Policy & Planning
	Journal of Hydrology
	Journal of Landscape Architecture
	Journal for Nature Conservation
	Journal of urban Design
	Jurnal Manajemen Hutan Tropika
	Health & place
	Human Ecology
	International Research in Geographical & Environmental Education
	Geoforum
	Global Environmental change
	Landscape Online
	Leisure studies
	Moravian Geographical Reports
	Ocean & costa management
	Psyecology
	Outlook on Agriculture
	Quaestiones Geographicae
	Science for conservation
	Tájökológiai Lapok
	The Anthropologist
	The Historic Environment: Policy & Practice
	The professional Geographer
	The Journal of the Acoustical society of America
	Theoretical & Empirical Researches in urban management
	Tourism Geographies
	Tourism Planning & Development
	WIT transactions on Ecology and the Environment

Table S2: Key references of **Human** factors and the subcategories according to the reviewed articles

Human		
Category	Subcategory	Sources
Physical Characteristic	Physical senses	(Huang and Lin 2020) (Sakıcı and Var 2014a)
	Gender	(Muderrisoğlu et al. 2013) (Huang and Lin 2020) (Farahani and Maller 2019) (Wang et al. 2012a) (Sakıcı and Var 2014b) (Brody, Highfield, and Alston 2004) (Arslan and Kaymaz 2020) (Belkayali, Güloğlu, and Şevik 2016)
	Age	Brody,) (Machemer, Bruch, and Kuipers 2008) (Müderrişoğlu and Gültekin 2015) (Muderrisoğlu et al. 2013) (Zhou, Li, and Larsen 2016) (Highfield, and Alston 2004) (Sakıcı and Var 2014a) (Sugiyama, Thompson, and Alves 2009) (Herzog et al. 2000) S. Kim,) (Wang et al. 2012a) (Li and Seymour 2018) (Arslan and Kaymaz 2020) (Thorpert, Englund, and Nielsen 2019) (Yoon, and An 2020)
Non-Physical Characteristic	Quality of life	(Özgüner, 2011)(Sugiyama, Thompson, and Alves 2009)
	Having children	(Wang et al. 2012b)
	Marriage	(Wang et al. 2012b)
	Employment	(Wang et al. 2012b)
	Income level	(Brody, Highfield, and Alston 2004) (Arslan and Kaymaz 2020) (Wang et al. 2012b) (Eroğlu, Müderrişoğlu, and Kesim 2012) (Muderrisoğlu et al. 2013)
	Education level	Sugiyama,) (Brody, Highfield, and Alston 2004) (Müderrişoğlu and Gültekin 2015) (Wang et al. 2012b) (Arslan and Kaymaz 2020) (Thompson, and Alves 2009 E. J. Kim) (S. Kim, Yoon, and An 2020) (Eroğlu, Müderrişoğlu, and Kesim 2012) (2016a)
	Information/ Knowledge level	Sakıcı and Var) (Sang et al. 2014) (López-Rodríguez et al. 2019) (E. J. Kim 2016b) E. J. Kim) (Ögçe, Müderrişoğlu, and Uzun 2020) (Morgan and Hwang 2014) (2014b) (2016b)
	Living Area	(Brody, Highfield, and Alston 2004) (Eroğlu, Müderrişoğlu, and Kesim 2012)
	Experience	Thorpert and) (S. Kim, Yoon, and An 2020) (Müderrişoğlu and Gültekin 2015) (Nielsen 2014)
	Type of sense	(Cackowski and Nasar 2003)
	Behavior/ Activity	Li and Seymour) (Muderrisoğlu et al. 2013) (Malkoc, Kilicaslan, and Ozkan 2010) (Farahani and Maller 2019) (López-Rodríguez et al. 2019) (Özgüner 2011) (2018)
Affiliation	(Ribe 2002) (S. Kim, Yoon, and An 2020)	
Mental Characteristic	Preferences	(Özgüner and Kendle 2006a) (Jahani and Saffariha 2020) (Lapka et al. 2008) Lohr and) (Malkoc, Kilicaslan, and Ozkan 2010) (Müderrişoğlu and Gültekin 2015) (Herzog et al. 2000) (Machemer, Bruch, and Kuipers 2008) (Pearson-Mims 2006 E. J. Kim) (Li and Seymour 2018) (Huang and Lin 2020) (Arslan and Kaymaz 2020) Gerstenberg and) (Hands and Brown 2002) (Wang et al. 2012b) (and Miller 2017) (Hofmann 2016)
	Acceptance	(E. J. Kim 2016b) (Ribe 2002)
	Responces	(Lohr and Pearson-Mims 2006) (Han 2007)
	Motivation	(Lapka et al. 2008)
	Mental values	(Jahani and Saffariha 2020)
Involvement	Connection	(Brody, Highfield, and Alston 2004) (Malkoc, Kilicaslan, and Ozkan 2010) Belkayali, Güloğlu, and) (Arslan and Kaymaz 2020) (Muderrisoğlu et al. 2013) (Şevik 2016)
	Distance	Sugiyama,) (Thorpert, Englund, and Nielsen 2019) (Thorpert and Nielsen 2014) A. Legwaila,) (Brody, Highfield, and Alston 2004) (Thompson, and Alves 2009) (Lange, and Cripps 2020)
Purpose	Human field of view	(Naderi and Raman 2005)

Table S3: Key references of **Heritage** factors and the subcategories according to the reviewed articles

Heritage		
Category	Subcategory	Sources
Identity	Collective identity	(Lapka et al. 2008) (Kamičaitytė, Gražulevičiūtė-Vilenišké, and Gadal 2020) (Molnárová et al. 2017) (Lapka et al. 2008)
	Contextual identity	(Verbrugge and van den Born 2018) (Q. Liu et al. 2020) (Peng et al. 2020) (Díaz et al. 2010) (Kljenak et al. 2013) (Llewellyn et al. 2019)
Archetype	Design pattern	(Nunta and Sahachaisaeree 2012) (Özgüner and Kendle 2006b)
	Physical pattern	(Bell 2001) (Twongyirwe et al. 2017) (Dupont, Antrop, and Van Eetvelde 2015) (Jiang Liu et al. 2014)
	Non-physical pattern	(Bell 2001)
History	Context history	(Gonzalez-Puente et al. 2014) (Westling et al. 2014) (de Almeida et al. 2016)

Table S4: Key references of **infrastructure** factors and the subcategories according to the reviewed articles

Infrastrustructure		
Category	Subcategory	Sources
Soft Infrastrustructure	Health	(Lengen 2015) (McCormack et al. 2020) (Cerwén, Pedersen, and Pálsdóttir 2016) (Uslu, Kiper, and Baris 2009)
	Educational	(Lapka et al. 2008)
	Political	(Rotherham 2007) (Yu et al. 2013) (Fernandes et al. 2020) (Al-Akl et al. 2018)
	Cultural	(Herzog et al. 2000) (Özgüner 2011) (Fernandes et al. 2020)
	Social	(Verbrugge and van den Born 2018)
	Economic	(Fernandes et al. 2020)
Hard Infrastrustructure	Transport network	(Wagtendonk and Vermaat 2014) (Martín et al. 2018)
	Energy	(Delicado, Figueiredo, and Silva 2016)
	Communications	_____
	Water & Sewage	(Suppakittpaisarn et al. 2020)
	Greenery	(Nižá et al. 2015) (Wagtendonk and Vermaat 2014) (Hofmann et al. 2012) (Santo-Tomás Muro, Sáenz de Tejada Granados, and Rodríguez Romero 2020) (Suppakittpaisarn et al. 2020)
	Waste management	_____
	Land measurement	_____
	Monitoring network	_____

Table S5: Key references of **Landscape** factors and the subcategories according to the reviewed articles

Landscape Architecture		
Category	Subcategory	Sources
Physical characteristic	Component	S. Kim, Yoon, and An) (Gerstenberg and Hofmann 2016) (Asgarzadeh et al. 2010) Brody, Highfield, and) (Olszewska et al. 2018) (Lohr and Pearson-Mims 2006) (2020 Han) (Jingshu Liu et al. 2018) (Arslan and Kaymaz 2020) (Wolf 2006) (Alston 2004 (Hands and Brown 2002) (2007
	Feature	(Müderrisoğlu and Gültekin 2015) (Zhang et al. 2018) (Özgüner and Kendle 2006a) Olszewska) (Machemer, Bruch, and Kuipers 2008) (Lohr and Pearson-Mims 2006) Sakıcı) (Wolf 2006) (Muderrisoğlu et al. 2013) (Hagerhall et al. 2008) (et al. 2018 Koppen) (Hadavi, Kaplan, and Hunter 2018) (Huang and Lin 2020) (and Var 2014b (Hands and Brown 2002) (S. Kim, Yoon, and An 2020) (et al. 2014
None-Physical characteristic	Quality	Martínez-Soto et) (Malkoc, Kilicaslan, and Ozkan 2010) (Naderi and Raman 2005) (Hadavi, Kaplan, and Hunter 2018) (Sugiyama, Thompson, and Alves 2009) (al. 2014 (A. Legwaila, Lange, and Cripps 2020) (López-Rodríguez et al. 2019)
	Attribute	(Zhang et al. 2018) (Özgüner and Kendle 2006a) (Asgarzadeh et al. 2010) Ögçe,) (Malkoc, Kilicaslan, and Ozkan 2010) (Müderrisoğlu and Gültekin 2015) Brody, Highfield, and Alston) (Olszewska et al. 2018) (Müderrisoğlu, and Uzun 2020 (Sugiyama, Thompson, and Alves 2009) (Tang, Sullivan, and Chang 2015) (2004 Jingshu Liu) (Hadavi, Kaplan, and Hunter 2018) (Huang and Lin 2020) (Lehto 2013) (Han 2007) (et al. 2018
Evaluation criteria	Changes	Thorpert and Nielsen) (S. Kim, Yoon, and An 2020) (Farahani and Maller 2019) Khan, McGeown,) (Eroğlu, Müderrisoğlu, and Kesim 2012) (Lapka et al. 2008) (2014 (and Bell 2020
	Potential	(Malkoc, Kilicaslan, and Ozkan 2010) (Sugiyama, Thompson, and Alves 2009)
	Benefit	(Özgüner and Kendle 2006a)
	Hazard	(Farahani and Maller 2019) (E. J. Kim 2016a)
	Function	(Wolf 2006)

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