

URBAN DEVELOPMENT AND ENVIRONMENTAL CHALLENGES IN KERALA: A STUDY OF KOCHI

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A DISSERTATION SUBMITTED TO

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR THE DEGREE OF

MASTER OF ARTS IN ECONOMICS

By

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CERTIFICATE

This is to certify that the dissertation titled "URBAN DEVELOPMENT AND ENVIRONMENTAL CHALLENGES IN KERALA-A STUDY OF KOCHI" submitted by PRIYANKA GOPALAN Register number: 130011001770 for the award of degree of Master of Arts in Economics, Mahatma Gandhi University is a record of a bonafide work done independently by she under my supervision. It has not been submitted to any other institution of University for award of any degree.

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PRIMARY SOURCES

1 corporationofcochin.net %**14**
Internet Source

2 www.eoearth.org %**4**
Internet Source

3 www.corporationofcochin.net %**3**
Internet Source

4 kerenvis.nic.in %**2**
Internet Source

5 www.forum.kochinow.com %**2**
Internet Source

6 townplanning.kerala.gov.in %**1**
Internet Source

7 ieenvironment.org %**1**
Internet Source

8 "THREE RECOMMENDATIONS ON URBAN
DEVELOPMENT FOR INCLUSIVE GROWTH IN
INDIA.", States News Service, April 13 2015 %**1**
Issue
Publication

9	www.konkanworld.com Internet Source	%1
10	newclimateeconomy.report Internet Source	%1
11	cpcb.nic.in Internet Source	%1
12	dyuthi.cusat.ac.in Internet Source	%1
13	www.unhabitat.org Internet Source	%1
14	krpcds.org Internet Source	%1
15	www.eai.in Internet Source	%1
16	www.mn-nhrc.org Internet Source	%1
17	Submitted to Abu Dhabi University Student Paper	%1
18	docplayer.net Internet Source	%1
19	planningcommission.nic.in Internet Source	<%1
20	esa.un.org	

Internet Source

<% 1

21

www.indiaenvironmentportal.org.in

Internet Source

<% 1

22

www.sidbi.com

Internet Source

<% 1

23

Submitted to Kenyatta University

Student Paper

<% 1

24

www.krepublishers.com

Internet Source

<% 1

25

Submitted to Sharyland High School

Student Paper

<% 1

26

pibmumbai.gov.in

Internet Source

<% 1

27

naturesattack.jimdo.com

Internet Source

<% 1

28

www.uneed2know.eu

Internet Source

<% 1

29

ohchr.org

Internet Source

<% 1

30

edoc.ub.uni-muenchen.de

Internet Source

<% 1

31

shodhganga.inflibnet.ac.in:8080

Internet Source

<% 1

32	yadagiriirs.blogspot.in Internet Source	<% 1
33	www.measuredhs.com Internet Source	<% 1
34	seekingalpha.com Internet Source	<% 1
35	Submitted to Pondicherry University Student Paper	<% 1
36	oar.icrisat.org Internet Source	<% 1
37	www.burmalibrary.org Internet Source	<% 1
38	mall.lampnet.org Internet Source	<% 1
39	"Kochi residents turn canals, drains into plastic waste dump yards.(Kochi)", The Times of India, May 27 2015 Issue Publication	<% 1
40	www.unicef.org.tr Internet Source	<% 1
41	Submitted to The University of Manchester Student Paper	<% 1
42	www.uk-cpi.com Internet Source	<% 1

43	www.easternmirrornagaland.com Internet Source	<% 1
44	www.firstpost.com Internet Source	<% 1
45	Submitted to Monash South Africa Student Paper	<% 1
46	eprints.lse.ac.uk Internet Source	<% 1
47	www.fao.org Internet Source	<% 1
48	www.mpurban.gov.in Internet Source	<% 1
49	indiamicrofinance.com Internet Source	<% 1
50	www.censusindia.gov.in Internet Source	<% 1
51	"Kochi needs updated master plan, say experts. (Kochi)", The Times of India, June 4 2015 Issue Publication	<% 1
52	article.sapub.org Internet Source	<% 1
53	www.scribd.com Internet Source	<% 1

54	en.wikipedia.org Internet Source	<% 1
55	www.conftool.com Internet Source	<% 1
56	"Subaltern Urbanisation in India", Springer Nature, 2017 Publication	<% 1
57	www.deltainterventions.com Internet Source	<% 1
58	Submitted to Woodbury University Student Paper	<% 1
59	researchdirection.org Internet Source	<% 1
60	countryoffice.unfpa.org Internet Source	<% 1
61	nbrienviis.nic.in Internet Source	<% 1
62	"Sustainable Smart Cities in India", Springer Nature, 2017 Publication	<% 1
63	Submitted to Seattle Preparatory High School Student Paper	<% 1
64	Submitted to University of Derby Student Paper	<% 1

65	Submitted to Caledonian College of Engineering Student Paper	<% 1
66	coe.mse.ac.in Internet Source	<% 1
67	www.iwmi.cgiar.org Internet Source	<% 1
68	dhsprogram.com Internet Source	<% 1
69	www.mdpi.com Internet Source	<% 1
70	ar5-syr.ipcc.ch Internet Source	<% 1
71	www.asianurbanepicenters.com Internet Source	<% 1
72	"Kochi corporation inks pact with Clean Kerala to dispose e-waste.(Kochi)", The Times of India, May 27 2015 Issue Publication	<% 1
73	paragonpets.net Internet Source	<% 1
74	smartnet.niua.org Internet Source	<% 1
75	www.ids.ac.uk Internet Source	<% 1

76	Saraswat, R.. "Foraminifers as indicators of marine pollution: a culture experiment with Rosalina leei", Marine Pollution Bulletin, 200401 Publication	<% 1
77	jamesron.com Internet Source	<% 1
78	"Urban Development in Asia and Africa", Springer Nature, 2017 Publication	<% 1
79	Submitted to IIT Delhi Student Paper	<% 1
80	www.e-ir.info Internet Source	<% 1
81	Submitted to Coventry University Student Paper	<% 1
82	Submitted to Gulf University for Science & Technology Student Paper	<% 1
83	Submitted to Jawaharlal Nehru University (JNU) Student Paper	<% 1
84	finance.rajasthan.gov.in Internet Source	<% 1

85	siteresources.worldbank.org Internet Source	<% 1
86	Submitted to University of Portsmouth Student Paper	<% 1
87	Submitted to University of Melbourne Student Paper	<% 1
88	Toor, M.S. Sidhu, M.S. Vatta, Kamal. "Quality of life in urban areas: some issues.", Political Economy Journal of India, July-Dec 2012 Issue Publication	<% 1
89	www.wri.org Internet Source	<% 1
90	P. Nazzaro. "Severe obstructive sleep apnoea exacerbates the microvascular impairment in very mild hypertensives.", European Journal of Clinical Investigation/00142972, 20081001 Publication	<% 1
91	cusat.ac.in Internet Source	<% 1
92	Submitted to Waiariki Institute of Technology Student Paper	<% 1
93	Submitted to University of Petroleum and Energy Studies Student Paper	<% 1
	Submitted to University of Warwick	

94	Student Paper	< % 1
95	desthp.nic.in Internet Source	< % 1
96	Submitted to Truckee Meadows Community College Student Paper	< % 1
97	articles.economictimes.indiatimes.com Internet Source	< % 1
98	Spatial Diversity and Dynamics in Resources and Urban Development, 2016. Publication	< % 1
99	www.business-standard.com Internet Source	< % 1
100	Submitted to Oxford Brookes University Student Paper	< % 1
101	Submitted to Pathfinder Enterprises Student Paper	< % 1
102	Submitted to Adventist University of Health Sciences Student Paper	< % 1
103	Prakash, Anjal. "The periurban water security problem: a case study of Hyderabad in Southern India", Water Policy, 2014. Publication	< % 1

104	Submitted to Indian Institute of Management Calcutta Student Paper	<% 1
105	www.mountainforum.org Internet Source	<% 1
106	www.kalpettamunicipality.in Internet Source	<% 1
107	Submitted to Visvesvaraya Technological University Student Paper	<% 1
108	www.sitra.fi Internet Source	<% 1
109	files.eric.ed.gov Internet Source	<% 1
110	de.slideshare.net Internet Source	<% 1
111	Advances in Geographical and Environmental Sciences, 2015. Publication	<% 1
112	"Centre asks States to convert 3784 towns into Urban Local Bodies.", Tax India Online, May 17 2016 Issue Publication	<% 1
113	www.gwp.org Internet Source	<% 1

114	Submitted to Indian Institute of Technology, Madras Student Paper	<% 1
115	K. P. JOSE. "SOLAR TUNNEL DRYING OF TURMERIC (<i>CURCUMA LONGA</i> LINN. SYN. <i>C.</i> <i>DOMESTICA</i> VAL.) FOR QUALITY IMPROVEMENT", Journal of Food Processing and Preservation, 08/2009 Publication	<% 1
116	kerala.gov.in Internet Source	<% 1
117	www.worldwewant2015.org Internet Source	<% 1
118	www.odi.org Internet Source	<% 1
119	Vadi, Valentina. "Beyond known worlds: climate change governance by arbitral tribunals? (Continuation of VII. Beyond Kn", Vanderbilt Journal of Transnational Law, Nov 2015 Issue Publication	<% 1
120	www.unicef.org Internet Source	<% 1
121	hupindia.org Internet Source	<% 1
122	14.139.121.106:8080 Internet Source	<% 1

123	Wilbanks, T.J.. "Integrating climate change and sustainable development in a place-based context", Climate Policy, 200311	<%1
	Publication	

124	Chandrasekhar, S., and Ajay Sharma. "Urbanization and Spatial Patterns of Internal Migration in India", Spatial Demography, 2015.	<%1
	Publication	

125	Basyal, Gopi Krishna Khanal, Narendra Ra. "Process and characteristics of urbanisation in Nepal.", Contributions to Nepalese Studies, July 2001 Issue	<%1
	Publication	

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