Curriculum Vitae

Brief Profile:



Dr. R. Manjula is currently working as Assistant Professor in the Dpeartment of Civil Engineering, National Institute of Technology, Tiruchirappalli from April 2006. She completed her UG in Civil Engineering from Mepco Schlenk Engineering College, Sivakasi during 1998 and awarded fifth rank in Madurai Kamaraj University during 1998. Later on she worked as part time lecturer in Alagappa Chettiar College of Engineering and Technology, karaikudi till May 2000. Then She started her career in Regional Engineering College as Research Assistant from 2000 onwards. During that time she completed her PG in water resources engineering and management in National Institute of Technology Tiruchirappalli during 2003 and got first rank in her course. From 2003 to till date she is a good teacher and handling UG and PG subjects in Civil Engineering. She joined her Ph.D in Ocean Engineering during 2008 at IIT Madras and completed during 2013. Her research interests include Fluid Structure interaction, Fluid flow problems, breaking wave impact on structures. She has published around 5 international journals and 7 international conferences. She has organized 4 short term workshops and one international conference. Currently she initiated student section at NIT for Marine Technology Society which takes the pride of first student section in India. She is very friendly as a mentor but strict in academics for the students. Currently she is guiding 3 ph.D scholars in the areas of hydraulics, fluid flows and GIS and Remote sensing. She guided around 14 PG projects and 10 UG projects. Also she took up various administrative and academic responsibilities. Also she is the president of Ladies Club of NIT trichy which shows her social interests. She is sincere, hardworking dedicated and honest in delivering her duties.

- 1. Name R. Manjula
- 2. Designation: Assistant professor
- 3. Office Address: Department of Civil Engineering National Institute of Technology

Tiruchirappalli

4. Telephone (Direct) (Optional): 04312503167

Telephone : Extn (Optional):

Mobile (Optional): +919942305458

5. Email (Primary): manju@nitt.edu

Email (Secondary) :manjushravan@gmail.com

- 6. Field(s) of Specialization: Coastal Engineering and fluid flow problems, Breaking wave impacts on coastal and offshore structures
- 7. Employment Profile

Job Title	Employer	From	То
Part time Lecturer	Principal, Alagappa chettiar college of Engineering & Technology, karaikudi	September 1998	July 2000
Research Assistant	Principal, Regional Engineering College, Tiruchirappalli	July 2000	December 2003
Lecturer	Principal, Dr. Sivanthi Aditanar College of Engineering, Tiruchendur	December 2003	March 2006
Assistant Professor	Director, National Institute of Technology Tiruchirappalli	03-04-2006	Till date

8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D	Indian Institute of Technology, Madras, Chennai	December 2013	First class with distinction	Ocean Engineering
M. Tech	National Institute of Technology	December 2003	First class with Distinction (Class Topper)	Water Resources Engineering and Management
B.E. (Civil)	Mepco Schlenk Engineering College, Sivakasi	May 1998	First Class (University 5 th Rank)	Civil Engineering
H.S.C	Board of Hr. Sec. Edu, Tamil Nadu	March 1994	First Class	Maths, Physics , Chemistry and Biology
S.S.L.C	Board of Sec. Edu, Tamil Nadu	April 1992	First Class	Maths, Science, Social Science

9. Academic/Administrative Responsibilities within the University

Position Faculty/Department/Centre/Institution		From	То
Time table	Preparation of time tables for U.G &	2006	2009
committee – co-	P.G students – National Institute of		
ordinator	Technology, Tiruchirappalli		
CEA staff advisor	i) To conduct guest lectures, training	2009	2010

		Γ	1
	programmes for students		
	ii) To conduct MOMENTS -		
	National level technical symposium -		
	National Institute of Technology,		
	Tiruchirappalli		
Course	To co-ordinate the syllabus coverage,	2010	2011
co-ordinator for	preparation of question papers and		
Basic Civil			
Engineering			
Fluid Mechanics	i) purchased various fluid mechanics	2006	Till date
Lab in charge	lab equipments for B.Tech students		
Stock verification	Verification of stocks in Physical	2008	2013
officer	education department		
Moments	Committee member	2006	2013
Committee member		2000	
Convocation	Committee member	2006	2014
Committee member		2000	2011
B.Tech. Project	Co-ordinate the B.Tech Project work	2012	2013
work Co-ordinator	eo ordinate the D. reen rioject work	2012	2015
Antiragging	Anti-ragging committee to safe guard	2013	2014
committee	the first year students	2013	2011
member	the first year students		
Programme	B.Tech First year orientation	2013	2014
committee member	programme	2013	2014
Programme	NBA Accreditation to B.Tech	2013	2014
Committee	Programme	2013	2014
Member	riogramme		
Press Committee	NIT, Trichy	2014	2015
Member	NII, IIICIIY	2014	2013
	MS/ Dh D Admission / Civil	2014	2015
Co-ordinator	M.S/ Ph.D Admission / Civil	2014	2015
Ecoulty Marton	Engineering	2014	2015
Faculty Mentor	J I J	2014	2015
Duggidant I - 1'	B.Tech Students	2015	T:11 d-4-
President, Ladies	To co-ordinate activities for the	2015	Till date
Club	welfare of campus ladies.	2014	
NBA Programme	To co-ordinate the central facilities	2014	Till date
committee member	visit by NBA team		

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	То
Student Secretary	Indian Society for Technical	1995	1998
	Education-Mepco shclenk		
	Engineering college, Sivakasi		
Organizing	TIES'95(Tamilnadu Inter	1995	1996
committee member	Engineering Sports)		

Programme and Quiz	ENSEMBLE'97 - Mepco shclenk	1997	1998
committee member	Engineering college, Sivakasi		
Executive member	Quality Circle- House keeping	1997	1998
	Mepco shclenk Engineering		
	college		
	Sivakasi		
Staff advisor	U.G students - Dr. Sivanthi	2005	2006
	Aditanar college of Engineering,		
	Tiruchendur		

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
1998	Awarded 5 th rank in B.E Civil Engineering	Madurai Kamaraj University
2003	First Rank in M.Tech	National Institute of Technology Trichy

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)
			· · · · · · · · · · · · · · · · · · ·	

13. Details of Academic Work

(i) Curriculum Development

List of New Electives introduced

B.Tech.

CE458 Ocean structures and materials

CE462 Simulation Modelling in Water Resources

CE463 Coastal Engineering

CE466 Computational Fluid Dynamics (Honors)

CE467 Free surface flow (Honors)

M.Tech

CE768 Port and Harbour structures

CE769 Offshore Engineering

CE770 Disaster Mitigation and Management

Subjects Handled	Semester
Environmental system Analysis	M.Tech (Environmental Engineering)
Transport of water and waste water	M.Tech (Environmental Engineering)
Disaster Mitigation and Management	M.Tech.(Construction Technology and
	Management)
Ground Water Modelling and management	II Semester M.Tech.(Water Resources
	Engineering and Management
Mechanics of solids	IV semester Civil
Mechanics of solids & Fluids	IV semester EEE
Surveying – II	IV Semester Civil
Fluid Mechanics and machinery	IV Semester Production
Hydraulic machinery	V semester Civil
Strength of Materials - III	Semester MME
Irrigation and Hydraulic structures	VII Semester Civil
Hydrology	VIII Semester Civil
Basic Civil Engineering	II Semester
Fluid Mechanics - I	III Semester
Fluid Mechanics – II	IV Semester Civil
Building Planning and Drawing	IV Semester Civil
Computer Aided Design Laboratory	VI Semester Civil
Fluid Mechanics laboratory	V Semester Mechanical & V Semester Civil
Surveying – I Laboratory	III Semester Civil

(ii) Courses taught at Postgraduate and Undergraduate levels

(iii)Projects guided at Postgraduate level

Academic Year	Title of project	
2006-2007	Conjunctive use management of Pamaniyar sub basin	
2009-2010	Study of Breaking wave impact on vertical cylindrical members in	
	marine structures	
2010-2011	Response of cylindrical offshore members under wave impact	
2014-2015	Study of local scour around bridge piers in sandy soil	
2014-2015	Numerical simulation for hydrodynamic response of regular waves on a	
	vertical cylinder	
2014-2015	Effects of treated waste water Irrigation on soil properties – A case study	
	at NIT Trichy	
2014-2015	Impact Assessment of Ariyamangalam Municipal Solid waste Dumping	
	site on Ground water Quality, Trichy	
2014-2015	Assessment of Microbial Contamination in Ground water, soil, Air – A	
	case study at NIT Trcihy	
2014-2015	Stability and Dam break Analysis of Ponnaniyaru Dam	

2014-2015	Response of vertical seawall under regular, random and breaking waves
2015-2016	Adsorption of Methylene blue dye using carboxymethyl cellulose
(Phase I and II)	synthesized from water hyacinth
2015-2016	Analysis and optimization of pipe line network of existing lift irrigation
(Phase I and II)	system
2015-2016	Water Quality Modelling of KoraiRiver Trichy
(Phase I and II)	
2015-2016	Lean Construction Management
(Phase I and II)	

(iv)Other contribution(s)

Faculty Advisor for Student Section – Marine Technology Society (First Student section started in India)- International Society at Washington – from September 2016 onwards.

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
The of Project	Funding Agency	From	То	Ongoing/ Completed
Site inspection and	Coimbatore City	Septemer	October	Completed
Technical opinion on	Corporation	2010	2010	
Commissioning of				
Pillur - II CWSS along				
with Pillur				
Flood protection works	PWD, Chennai	July2011	July 2012	Completed
in Right bank of				
Kollidam from LS				
26.74km to 108.21km				
and LS108.21 to 168.21				
km in Thanjavur and				
Nagapattinam District				
of Tamilnadu to PWD				

15. Number of PhDs guided

Name of the PhD	Title of PhD	Role(Supervisor/ Co-	Year of
Scholar	Thesis	Supervisor)	Award

16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

Date (s)	Title of Activity	Level of Event (Internat ional/ National / Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue
June 1995	In-plant training	Local	Participant	Tuticorin Port Trust	Tuticorin
24 th and 25 th February 1998	2 days training programme "ATLAS"	Local	Participant	Jayceerette Wing of Sivakasi Junior Chamber and Mepco Schlenk Engineering College.	Sivakasi
3 rd February 2005	one day seminar on "The uses of renewable Energy"	Local	Participant	Dr. Sivanthi Aditanar College of Engineering, Tiruchendur.	Tiruchendur.
8 – 10 of December 2004	three days training programme on "Total Quality Management"	Local	Participant	Indian Society for training and Development, Tiruchendur.	Tiruchendur.
19 th to 23 rd June 2006	five days training programme in Civil Engineering Laboratories	National	Participant	NIT Warangal	Warangal
November 13	five days	National	Participant	IIT Bombay	Bombay

to 17, 2006	training				
	programme on "Advanced				
	Techniques in				
	Water Resource				
	management"				
1 - 2, February,	Finite Element	National	Participant	NIT,	Tiruchirappalli
2007	methods for Engineers			Tiruchirappalli.	
19 - 23,	Recent	National	Participant	NIT,	Tiruchirappalli
February 2007	Advancements			Tiruchirappalli	
	in Environmental				
	Engineering				
4 - 13, July	ANSYS	National	Participant	NIT,	Tiruchirappalli
2007				Tiruchirappalli	•
28 October,	Design,	National	Participant	NIT,	Tiruchirappalli
2007	construction and			Tiruchirappalli	
	maintenance of				
21 22	roads	National	Deuticinent		T:
21 - 23, December	The Seven habits of	National	Participant	NIT,	Tiruchirappalli
2008	highly			Tiruchirappalli	
	effective				
5 - 10, January	people Instructional	National	Participant	NITTR,	Chennai
2009	Design and			Taramani,	
	Delivery system			Chennai	
6 - 7, February	Continuing	National	Participant	IIT Madras,	Chennai.
2009	Education	i vationai	1 unterpuit	Chennai.	Chemina.
	Programme on			Chennai.	
	"Deepwater offshore				
	structures"				
12 th February,	One day	National	Participant	IIT Madras,	Chennai.
2009	Symposium on Wind-Wave			Chennai.	
	Modelling				
15 - 20, June	Short term	National	Participant	CWRDM,	Calicut
2009	training			Calicut	
	programme on "Isotope tracer				
		l	I	1	ıl

			1		
	techniques for				
	water				
	resources				
	development				
	and				
	management"				
7 th September	Regional	National	Participant	NIT,	Tiruchirappalli
2009	Seminar on			Timeshinennelli	
	"Intellectual			Tiruchirappalli	
	property and				
	innovation				
	management in				
	knowledge				
	era"				
14 - 18,	Short term	National	Participant	IIT Madras,	Chennai.
December	course on		puile	,	
2009	"Offshore			Chennai.	
	structures -				
	Materials,				
	Analysis,				
	Design and				
	construction"				
9 th February	Workshop on	National	Participant	CGWB	Trichy.
2011	"Challenges	1 varionai	1 articipant	COWD	meny.
2011	ahead in			Trichy.	
	Ground water				
	sector of				
	Tamilnadu"				
7 th February	Attended	National	Participant	Ministry of	CGWB,
2013	"R&D session	Ivational	1 articipant	winnsu'y Of	COWD,
2013	of Indian			Water	Chennai
	National			Descurees	
	Committee for			Resources,	
	Ground Water"			Govt. of India	
3 – 5 April		National	Dortiginant	IIT Madras,	Chennai.
3 – 5 April 2013	Short term Course on "Sea	inational	Participant	III Madras,	Chennai.
2013				Chennai.	
	water Intake and Outfall -				
	Planning,				
	Design and Becaut tranda"				
6^{th} to 10^{th}	Recent trends"	NT	De st	COMP	Tuist
	Training	National	Participant	CGWB	Trichy.
January 2014	Course on			Trichy.	
	"Aquifer				
	Information				
	System and				
	Aquifer				

13 th and 14 th	Management Plan"	Na4: 1	Dortioinent	A sus	New Delle
June 2014	Training Programme on "Hydro Power projects – Cost Effective Solutions"	National	Participant	Aqua Foundation Academy, NewDelhi	NewDelhi
26 th September, 2014	Presented a topic on breaking the wall of conventional design breaking wave impact on structures at Falling Walls Lab,	National	Participant	IIT Madras, Chennai.	Chennai.
December 11, 2014	Bentley workshop on learning day for water distribution and waste water networks in association with IIT Madras	National	Participant	IIT Madras, Chennai.	Chennai.

17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
International Conference on Disaster Mitigation Management and Sustainable Development and Risk reduction	International	22- 24, February, 2016	Co-ordinator	NIT Trichy
workshop on "Testing of Construction Materials"	National	February 26 th and 27 th 2007	Co-ordinator	Department of Civil Engineering National

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				Institute of Technology, Tiruchirappalli
Workshop on "Recent Trends in water Resources, Hydraulics and Coastal Modelling"	National	November 7 th and 8 th 2013	Co-ordinator	Department of Civil Engineering National Institute of Technology, Tiruchirappalli
Workshop on "Innovation, sustainability, Solutions, Adoption, Implementation in Energy, Environment Ecosystem and Human Life"	National	January 23 rd and 24 th 2014	Co-ordinator	Department of Civil Engineering National Institute of Technology, Tiruchirappalli
oneday workshop on "Introduction to Quantum GIS"	National	7 th August 2015	Co-ordinator	Department of Civil Engineering National Institute of Technology, Tiruchirappalli
Workshop on "Advanced Soft Computing Tools in Water Resources and Coastal Engineering"	National	September 8-10, 2016	Co-ordinator	Department of Civil Engineering National Institute of Technology, Tiruchirappalli

18. Invited Talks delivered

Торіс	Date	Inviting Organization		
Rainwater Harvesting	17 th August 2007	Institution of Engineers, Trichy		
Drainage Management	11 th September 2007	Irrigation Management and		
		Training Institute, Trichy		
Flood Routing and	14 th September 2007	Irrigation Management and		
Reservoir Operation		Training Institute, Trichy		
Advances in Irrigation	22 nd October 2013	Anna University Trichy		
Engineering and modeling				
Techniques				
Recent Trends in Civil	21 st July 2015	PRIST University, Vallam		
Engineering		Thanjavur		
Role of Civil Engineering	31 August 2015	King College of Technology,		

in Globalisation		Nammakal
Significance of Research	24, September 2015	Parisutham Institute of
Methodology		Technology, Thanjavur
Research Opportunities in	11 th January 2016	Nehru Institute of Technology,
Civil Engineering		Coimbatore

19. Membership of Learned Societies

Type of Membership (Ordinary	Organization	Membership No. with
Member/ Honorary Member / Life		date
Member)		
Member of institution of Engineer	Institution of	M139603-4
	Engineers	
Life Member in The Indian Society for	ISTE	LM42113
Technical Education		
Life member in Indian Geotechnical	IGS	LM3653
Society		

20. Academic Foreign Visits

Country Du		Duration of Visit		Programme							
National	University	11	August	to	11	Short	term	research	visit	to	Tropical
Singapore		September, 2008		Marine Science Institute, NUS, Singapore							

21. Publications

(A) <u>Refereed Research Journals</u>:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numb ers	Year	Impact Factor of the Journal (Optional)
Manjula R., Sannasiraj, S.A., and Palanichamy, K (2013)	Laboratory measurements of wave impact pressure on a slender cylindrical member	International Journal of Ocean and Climate Systems	Vol. 4, No.2,	рр. 151- 169	2013	
Manjula R., Sannasiraj, S.A., and Palanichamy,	Experimental Investigations of acceleration on slender	International Journal of Ocean and Climate	Vol.5, No.3,	рр. 117- 125	2014	

K (2014)	cylindrical	Systems				
K (2014)	member under	Systems				
	breaking waves					
Maniula D	Experimental	Aquatic	Vol. 4,	227-	2015	
Manjula R,	-	Proceedia	voi. 4,	233	2013	
Sannasiraj S.A and	Investigation of	Proceedia		233		
	Response of Vertical Slender					
Saravanan S						
(2015)	Cylinder under					
	Breaking Wave					
<u> </u>	Impact	A /•	3714	000	2015	
Saravanan S	Geomorphology	Aquatic	Vol. 4,	908-	2015	
and Manjula	Based Semi-	Proceedia		916		
R (2015)	distributed					
	Approach for					
	Rainfall-runoff					
	Modeling Using					
	GIS		T T 1	(01	2015	
Manjula R	Response of	Procedia	Vol.	631-	2015	
and	Slender Vertical	Engineering	116,	638		
Sannasiraj	Cylinder under					
S.A (2015)	breaking waves					~
Rajesh R,	Assessment of	International	vol.	2418	2015	Scopus
Saravanan S,	Artificial	Journal of	10(33),	77-		indexed
Manjula R,	Recharge on	Applied		2419		
Antony Raj	Ground water	Engineering		2		
A and	table and	Research				
Ramya M	quality – A case					
(2015)	study					
Manjula R	Response of	Journal of	Accept		2016	0.776
and	slender vertical	Hydrodynamics	ed for			
SannasiRaj	cylinder under		publicat			
	breaking wave		ion			
	impact					

(B) <u>Conferences/Workshops/Symposia</u> Proceedings

Author(s)	Title of Abstract/	Title of the	Page	Conference	Venue	Year
	Paper	Proceedings	numbers	Theme		
Manjula R.,	storm surge	Third			IIT	2009
Pavel Tkalich,	forecasting using	International			Madras,	
Sannasiraj,	artificial neural	conference in			Chennai	
S.A., and	networks	ocean				
Palanichamy,		Engineering				
Κ		(ICOE 2009)				
Manjula R.,	Breaking wave	8 th			IIT	2012

Sannasiraj,	impact pressure	International	Madras,	
Samasnaj, S.A., and	impact pressure on air slender	conference on	Chennai	
,			Chennar	
Palanichamy,	vertical cylinder	Coastal and		
К	member	Port		
		Engineering in		
		Developing		
		countries,		
		COPEDEC		
		2012		
Manjula R.,	Deflection of	The 22 nd	Greece.	2012
Sannasiraj,	slender	International		
S.A., and	cylindrical	Offshore and		
Palanichamy,	member under	Polar		
K	breaking wave	Engineering		
	impact	Conference,		
Rajesh.R,	Evaluation of	International	NIT	2014
Antony Raj. A,	groundwater	Conference on		
Ramya. M,	quality in and	Green	Trichy	
Saravanan. S,	around	Technology for		
Manjula. R	Ariyamangalam	Environmental		
5	landfill site,	Pollution		
	Tiruchirapalli, Ind	Prevention and		
	ia: an integrated	Control		
	geochemical and			
	GIS approach			
Ramya.M,	Municipal Solid	International	NIT	2014
Saravanan.S,	Waste	Conference on		-01.
Manjula.R,	Characteristics	Green	Trichy	
	and	Technology for	Theny	
	Management- A	Environmental		
	Case Study on	Pollution		
	Ariyamangalam	Prevention and		
	landfill site	Control		
Antony Raj. A,	Effects of	International	CIT,	2015
Rajesh. R,	Treated	Conference on	Coimbat	2013
Ramya. M,	Wastewater	Advances in	ore	
Saravanan.S	Irrigation on Soil	Civil		
and Manjula.	Properties – A	Engineering		
R	Case Study at	Materials And		
1	NIT Trichy	Processes		
Pamya N	Investigating	International	VIT	2015
Ramya N, Saravanan S	Ground water	Conference on	Universi	2013
and Manjula	Contamination	Sustainable	ty	
R	using Vertical	Engery and		
	Electrical	Build		
	Sounding around	Environment		
	Ariyamangalam			

	N · · · 1	[I		
	Municipal				
	Soldwaste				
	Dumpsite,				
	Tiruchrappalli,				
	TamilNadu India				
Manjula R,	Response of	International		IIT	2015
S.A. Sannasiraj	Slender Vertical	Conference on		Madras,	
	Cylinder Under	Asian and		Chennai	
	Breaking Waves	Pacific coasts			
Manjula R,	Study of Local	International		IIT	2015
Saravanan. S	Scour Around	Conference On		Roorkee,	
	Bridge Peirs in	Hydraulics,		India	
	Sandy Soil	Water			
		Resources And			
		River			
		Engineering			
Mahima Goyal,	A Study Of	1 st International		NIT	2016
S. Saravanan,	Pollutant	Conference On			
R. Manjula	Dynamics Using	Disaster		Trichy	
5	QUAL2K:A Case	Mitigation And		5	
	Study Of Noyyal	Management			
	River Basin,	For Sustainable			
	Tamilnadu	Development			
		And Risk			
		Reduction			
P. Vaanathi, R.	A Review of	1 st International		NIT	2016
Manjula	Coastal	Conference On			
j <i></i>	Protection	Disaster		Trichy	
	Measures with	Mitigation And			
	Vegetation	Management			
	· ·B······	For Sustainable			
		Development			
		And Risk			
		Reduction			
Manjula R,	Numerical	1 st International		NIT	2016
Saravanan S	Simulation For	Conference On		1111	2010
Saravanan S	Hydrodynamic	Disaster		Trichy	
	Response Of	Mitigation And		Theny	
	Regular Waves	Management			
	On A Vertical	For Sustainable			
	Cylinder	Development			
	Cymuci	And Risk			
		Reduction			
Cidanth	A da a mati Of			NIT	2016
Sidarth	Adsorption Of	1 st International		NIT	2016
Phukan, R.	Methylene Blue	Conference On		m · 1	
Manjula	Dye Using	Disaster		Trichy	
	Carboxymethyl	Mitigation And			

[
	Cellulose	Management			
	Synthesized	For Sustainable			
	From Water	Development			
	Hyacinth	And Risk			
		Reduction			
G. Sakthivel,	Assessment Of	1 st International		NIT	2016
R. Manjula	Coastal Aquifer	Conference On			
-	Vulnerability	Disaster		Trichy	
	Prone Zone In	Mitigation And			
	The South India	Management			
	Coast Of	For Sustainable			
	Cuddalore	Development			
	District,	And Risk			
	Tamilnadu,	Reduction			
	India-Geospacial				
	Approaches				

(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of	Year of	ISSN/ISBN
		Publishers	Publication	Number