BIO-DATA

1. Name and full correspondence address : Dr. M. Anbarasu,
   Associate Professor,
   Department of Civil Engineering,
   Government college of Engineering,
   Dharmapuri - 636 704.
   Tamil Nadu, India.

2. Email(s) and contact number(s) : gcemanbarasu@gmail.com
   +91 9942509440

3. Institution : Government college of Engineering,
   Dharmapuri - 636 704, Tamilnadu, India.

4. Date of Birth : 22nd June, 1975

5. Gender : Male

6. Category Gen/SC/ST/OBC : OBC

7. Whether differently abled : No

8. Academic Qualification

S. No.	Degree	Year	Subject	University
1.	Doctor of Philosophy *(Ph.D.)*	2014	Civil Engineering (Structural Engineering)	Anna University, Chennai, Tamil Nadu.
2.	Master of Engineering *(M.E)*	2001	Structural Engineering	Government College of Technology, Coimbatore, Bharathiar University, Tamil Nadu.
3.	Bachelor of Engineering *(B.E)*	1997	Civil Engineering	Tamilnadu College of Engineering, Coimbatore, Bharathiar University, Tamil Nadu.

:

9. **Ph.D thesis title** : Investigation on buckling behaviour of intermediate length Cold-formed steel columns.

   Guide's Name : Dr.S.Sukumar

   Institute/Organization: Department of Civil Engineering, Government College of Engineering, Salem – 636011, Tamil Nadu, India.

   University : Anna University, Chennai.

Year of Award : January 2014

10. Work experience :

S. No.	Positions held	Name of the Institute	From	To
1	Associate Professor	Government College of Engineering, Dharmapuri – 636 704, Tamil Nadu.	21.04.2023	Till date
2	Associate Professor (CAS)	Government College of Engineering, Salem – 636 011, Tamil Nadu.	09.08.2018	20.04.2023
3	Assistant Professor (Selection Grade)	Government College of Engineering, Salem – 636 011, Tamil Nadu.	09.08.2015	08.08.2018
4	Assistant Professor (Senior Grade)	Government College of Engineering, Salem – 636 011, Tamil Nadu.	09.08.2011	08.08.2015
5	Assistant Professor	Government College of Engineering, Salem – 636 011, Tamil Nadu.	14.02.2007	08.08.2011
6	Assistant Professor	Government College of Technology, Coimbatore – 641 013, Tamil Nadu.	09.08.2006	13.02.2007
7	Assistant Manager (Technical - Civil)	Reserve Bank of India, Chennai.	01.02.2005	08.08.2006
8	Lecturer	Bannari Amman Institute of Technology, Sathyamangalam.	21.10.2001	21.10.2004

11. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant:

S. No.	Name of the Award	Awarding agency	Year
1.	**Outstanding Reviewer Award**	**Thin-Walled Structures – Elsevier publications**	**2017**

- Dr. M.Anbarasu, Associate professor in Civil Engineering is ranked among the *"Top 2% scientists in the World in the two consecutive years – 2020 and 2021"* as per the list published by Elsevier BV and Stanford University, USA

12. Publications (List of papers published in **SCI Journals**, in year wise descending order):

S. No.	Author(s)	Title	Name of Journal	Volume	Page	Year
01	G Jaya kumar T Kiran, N Anand, **M Anbarasu**, Eva Lubloy	Post-fire flexural behaviour and Performance of unrestrained cold-formed steel built-up section beams: Experimental and numerical investigation	Case Studies in Construction Materials	https://doi.org/10.1016/j.cscm.2023.e01978	e01978	2023
02	Mathews, M.E. Kiran, T. Nammalvar, A. **Anbarasu, M** Kanagaraj, B. Andrushia, D.	Evaluation of the Rheological and Durability Performance of Sustainable Self-Compacting Concrete.	Sustainability	15 https://doi.org/10.3390/su15054212	4212	2023
03	Mohammad Adil Dar, N. Subramanian, Ahmad Fayeq Ghowsi, **M. Anbarasu,** Iman Hajirasouliha, Sheikh Haris, A.R. Dar,	Intermittently stiffened cold-formed steel GFRP composite lightweight built-up beams: Experimental investigation and performance assessment	Thin-Walled Structures	185 https://doi.org/10.1016/j.tws.2023.110630.	110630	2023
04	**Anbarasu, M**. Kasiviswanathan, M. Kathiresan, M. Mohan Ganesh, G.	Numerical Parametric Study and Design of Pultruded GFRP Composite Channel Columns	Sustainability	15 https://doi.org/10.3390/su15010837	837	2023
05	M Kasiviswanathan and **M Anbarasu**	Effect of load eccentricity on buckling behavior of	Advances in Computational Design	8(1)	61-76	2023

		FRP Cmposite columns with open and closed cross sections		https://doi.org/10.12989/acd.2023.8.1.061		
06	Karthik Chinnappan, **M. Anbarasu,** Mohammad Adil Dar	Cold-formed ferritic stainless steel closed-section built-up beams: Tests and flexural response	Thin-Walled Structures	10.1016/j.tws.2022.109820	180	2022
07	S Arthi, D Suji, **M. Anbarasu**	Investigation on Cold Formed Steel Channel Section with Curved Flanges Subjected to Axial Compression	Advances in Structural Mechanics and Applications (Book chapter)	10.1007/978-3-030-98335-2_20	pp.306-320	2022
08	M. Kasiviswanathan, **M. Anbarasu**	Numerical study and design rule for axial capacities of pultruded GFRP hollow columns	Structures	10.1016/j.istruc.2022.03.039	39(7): 253-265	2022
09	Mohammad Adil Dar, Abhishek Verma, **M. Anbarasu,** Abdul Rashid Dar.	Design of cold-formed steel battened built-up columns	Journal of Constructional Steel Research	10.1016/j.jcsr.2022.107291	193(9)	2022
10	Mohammad Adil Dar, **M. Anbarasu,** Abdul Rashid Dar, Naqeeb Ul Islam	Stiffening schemes for CFS built-up I-beams with large global imperfections: Capacity and behaviour	Steel and Composite Structures	10.12989/scs.2022.42.4.447	42(4):447-458	2022
11	M. Kasiviswanathan **M. Anbarasu**	Effect of Eccentricity of Load on Buckling Behavior of FRP Columns	Composite Materials for Extreme Loading (Book chapter)	10.1007/978-981-16-4138-1_10	pp.129-139	2022
12	**M. Anbarasu**, M. Subalakshmi, M. Adil Dar, M.F. Hassanein,	Cold-formed ferritic stainless steel perforated tubular stub columns: Behaviour and design	Thin-Walled Structures	DOI:10.1016/j.tws.2021.108654	170: 108654	2022

• 13	R. Dhanaiyendran • **M. Anbarasu**	Study on the Capacity of Perforated Ferritic Stainless Steel Lipped Channel Columns	Advances in Structural Mechanics and Applications (Book chapter)	10.1007/978-3-030-98335-2_15	pp.224-234	2022
14	**M.Anbarasu**, Anjali Kumari Pravin Kumar Pandey, M. Longshithung Patton, Hermes Carvalho	Testing and modelling of hot-rolled steel castellated hollow tubular beams	Structures 34:4025-4040	DOI:10.1016/j.istruc.2021.10.003		2021
15	A.R.Dar, S. Vijayanand, **M.Anbarasu** and M.Adil Dar	Cold-formed steel battened built-up columns: Experimental behaviour and verification of different design rules developed	Advances in Structural Engineering	DOI:10.1177/13694332211048006		2021
16	M.Adil Dar , N.Subramaniyan, **M.Anbarasu**, and Ahmad Fayeq Ghows	Testing and FE simulation of lightweight CFS composite built-up columns: Axial strength and deformation behaviour	Thin-Walled Structures	167 (15):108222 DOI:10.1016/j.tws.2021.108222		2021
17	A.R.Dar, **M.Anbarasu** and G.Arun Kumar	Cold-Formed Steel Built-Up I-Beam with the Trapezoidal Corrugated Web: Tests and Numerical Simulation	Journal of the Institution of the Engineers (India) Series A	DOI:10.1007/s40030-021-00571-8		2021
18	A.R.Dar; **M.Anbarasu**; M. Vengatesan and M.Adil Dar	Wide-flanged CFS • built-up columns comparison of test strengths numerical strengths and design strengths.	Innovative Infrastructure Solutions 6(3)	DOI:10.1007/s41062-021-00540-x		2021
19	S. Vijayanand and **M.Anbarasu**;	Parametric study and • Improved design guidelines of CFS	Steel and • Composite Structures	40(5):733-746 DOI:10.12989/scs.		2021

		battened built-up columns		2021.40.5.733		
20	A.R.Dar, C. Karthik, **M.Anbarasu**; and M. Adil Dar	Testing of cold-formed ferritic stainless steel stub columns: Axial behaviour and design strengths	Innovative Infrastructure Solutions 6(3)	DOI:10.1007/s41062-021-00541-w		2021
21	C. Karthik **M.Anbarasu**	Cold-formed ferritic stainless steel closed built-up beams: Flexural behaviour and numerical parametric study	Thin-Walled Structures 164(6):107816	DOI:10.1016/j.tws.2021.107816		2021
22	M.Adil Dar; N.Subramaniyan; P.Azmat Arif; **M.Anbarasu**; A.Fayeq Ghowsi and A.R.Dar	Compression and stability response of short CFS battened columns with light-weight composite chords	SSRC Annual Stability Conference At: Louisville, Kentucky, USA	Conference Paper		2021
23	**M.Anbarasu** M.Adil Dar, Ahmad Fayeq Ghowsi and Abdul Rashid Dar	Flexural behavior of cover plated CFS built-up beams composed of lipped channels: Comparison of test and design strengths	Structures	30(6)	294-304	2021
24	M.Kasiviswanathan and **M.Anbarasu**	Simplified approach to estimate the lateral torsional buckling of GFRP channel beams	Structural Engineering and Mechanics	77(4)	523-533	2021
25	**M.Anbarasu** and M.Kasiviswanathan	A Simplified Design Method for Lateral-Torsional Buckling of GFRP Pultruded I-Beams	Arabian Journal for Science and Engineering	DOI: 10.1007/s13369-020-05208-9		2021
26	C.DivyaMegala and **M.Anbarasu**	Study of Behaviour of Web-Stiffened Built-up Beam	Lecture Notes in Civil Engineering (Book chapter)	53-67 DOI: 10.1007/978-981-15-5107-7 5		2021
27	M. Adil Dar N. Subramanian, **M. Anbarasu**, Hermes Carvalho, and A. R. Dar	Effective Strengthening of Timber Beams: Experimental Investigation	Practice Periodical on Structural Design and Construction	26(1)	10.1061/(ASCE)SC.1943-5576.0000532	2020

28	M. Adil Dar N. Subramanian M. Gupta Baniya **M. Anbarasu** Hermes Carvalho, and A.R. Dar	Development of an efficient steel truss system using CFS sections: a comparative study with a hot-rolled steel truss	International Journal of Structural Integrity	10.1108/IJSI-06-2020-0060		2020
29	**M. Anbarasu*** A. R. Dar A.I. Rather M.Adil Dar	Effect of external strengthening on the flexural capacity of cold-formed steel beams	Materials Today Proceedings	10.1016/j.matpr.2020.04.171		2020
30	**M. Anbarasu*** and M. A. Dar	Axial capacity of CFS built-up columns comprising of lipped channels with spacers: Nonlinear response and design	Engineering Structures	213(1)	110559	2020
31	S,Vijayanand **M.Anbarasu***	Behavior of CFS built up battened columns: Parametric study and design recommendations	Structural Engineering and Mechanics	74(3)	381-394	2020
32	M.A.Dar, N.Subramanian, M. Atif A.R Dar, **M Anbarasu** JBP Lim	Efficient cross-sectional profiling of built up CFS beams for improved flexural performance	Steel and Composite Structures	34(3)	333-345	2020
33	M.A.Dar, N.Subramanian, D.A Dar A.R Dar, **M Anbarasu** JBP Lim and S. Mahjoubi	Flexural Strength of cold-formed steel built-up composite beams with rectangular compression flanges	Steel and Composite Structures	34(2)	171-188	2020
34	**M. Anbarasu*** and M. A. Dar	Improved design procedure for battened cold-formed steel built-up columns composed of lipped angles	Journal of Constructional Steel Research	164	105781	2020
35	M.A.Dar, N.Subramanian,	Effect of angle stiffeners on the	Steel and Composite			

	A.I. Rather A.R Dar, **M Anbarasu** JBP Lim and M. Atif	flexural strength and stiffness of cold-formed steel beams	Structures – An International Journal	33(2)	225-243	2019
36	**M Anbarasu***	Behavior of cold-formed steel built-up battened columns composed of four lipped angles: Tests and numerical validation	Advances in Structural Engineering	23(1)	51-64	2019
37	**M. Anbarasu*** and M. Ashraf	Structural behavior of intermediate length cold-formed steel rack columns with C-stitches	Frontiers of Structural and Civil Engineering	13(4)	937-949	2019
38	**M.Anbarasu**	Simulation of flexural behavior and design of cold-formed steel closed built-up beams composed of two sigma sections for local buckling	Engineering Structures	191	549-562	2019
39	**M.Anbarasu**	Numerical investigation on behaviour and design of cold-formed steel built-up column composed of lipped sigma channels	Advances in Structural Engineering	22(8)	1817-1829	2019
40	**M Anbarasu*** and M.Venkatesan	Behaviour of cold-formed steel built-up I-section columns composed of four U-profiles	Advances in Structural Engineering	22(3)	613-625	2019
41	M.A.Dar, N.Subramanian, A.R Dar, **M Anbarasu**, JBP Lim and M.Atif	Behaviour of partly stiffened cold-formed steel built-up beams: Experimental investigation and numerical validation	Advances in Structural Engineering	22(1)	172-186	2019
42	**M Anbarasu*** and M.Venkatesan	Behaviour of cold-formed steel built-up	Journal of Structural	46(2)	134-145	2019

		columns: tests and numerical simulation	Engineering (Madras)			
43	S.Vijayanandand **M. Anbarasu**	Strength and behavior of cold-formed steel built-up battened columns: tests and numerical validation	Journal of Structural Engineering (Madras)	46(2)	154-165	2019
44	M. A. Dar, N. Subramanian, **M. Anbarasu**, A.R. Dar and James B.P. Lim	Structural Performance of Cold-formed Steel Composite Beams	Steel and Composite Structures	27(5)	545-554.	2018
45	**M. Anbarasu*** and M. Ashraf	Interaction of local-flexural buckling for cold-formed lean duplex stainless steel hollow columns	Thin-Walled Structures	112	20-30	2017
46	S.Vijayanandand **M. Anbarasu**	Effect of Spacers on Ultimate Strength and Behavior of Cold-Formed Steel Built-up Columns	Procedia Engineering	173	1423-1430	2017
47	**M. Anbarasu**	Influence on Ultimate Strength of Cold-Formed Steel Lipped Channel Columns Subjected to Interaction on Distortional – Global Buckling	Advances in Natural and Applied Sciences	11(8)	192-201	2017
48	**M.Anbarasu**	Finite Element Modelling of Cold formed Lean Duplex Stainless Steel Beams	Indo Global Journal of Applied Engineering	5(1)	206-209	2017
49	**M. Anbarasu**	Structural Performance of Cold Formed lean Duplex Stainless Steel flat Oval Hollow Columns	Advances in Natural and Applied Sciences	11(8)	192-201	2017
50	**M. Anbarasu*** and M. Ashraf	Behaviour and design of cold-formed lean	Thin-Walled Structures	104	106-115	2016

		duplex stainless steel lipped channel columns				
51	**M.Anbarasu**	Experimental Study on the Behaviour of Intermediate Length Web Stiffened Cold-Formed Steel Columns with Perforated Spacers	Asian Journal of Civil Engineering	17(7)	958-968	2016
52	**M. Anbarasu**	Local-Distortional Buckling Interaction on Cold-Formed Steel Lipped Channel Beams	Thin -Walled Structures	98, Part B.	351 - 359	2016
53	**M. Anbarasu**	Strengthening of Intermediate Length Cold-Formed Steel Rack Columns using Lateral Stiffeners-An Experimental Investigation	The IUP Journal of Structural engineering	9(3)	67-75	2016
54	**M.Anbarasu**	A Numerical Investigation Of Local–Distortional–Lateral-Torsional Buckling Interaction Of Cold-Formed Steel Lipped Channel Beams	Asian Journal of Civil Engineering	18(4)	643-656	2016
55	**M. Anbarasu***, K.Kanagarasu and S.Sukumar	Investigation on the behaviour and strength of cold-formed steel web stiffened built-up battened columns	Materials and Structures	48(12)	4029-4038	2015
56	**M. Anbarasu** and G.Murugapandian	Experimental Study on Cold Formed Steel Web Stiffened Lipped Channel Columns Undergoing Distortional – Global Interaction.	Materials and Structures	49(4)	1433-1442	2015
57	**M.Anbarasu** and	Numerical	International	3(7)	38-42	2015

	R.Padmavijayan	Investigation on the Interaction of Local and Global Buckling in Cold Formed Steel Lipped Channel Columns	Journal of Innovative Science and Modern Engineering (IJISME)			
58	**M.Anbarasu***, P.Bharathkumar, and S.Sukumar	Study on the capacity of cold-formed steel built-up battened columns under axial compression	Latin American Journal of Solids and Structures	11(12)	2271-2283	2014
59	**M.Anbarasu*** and S. Sukumar	Finite element based investigation of performance of intermediate length columns with lateral stiffeners	Arabian Journal for science and Engineering	39(10)	6907-6917	2014
60	**M.Anbarasu*** and S. Sukumar	Influence of spacers on ultimate strength of intermediate length thin walled columns	Steel and Composite Structures	16(4)	437-454	2014
61	**M.Anbarasu*** and S. Sukumar	Study on the effect of spacers on the ultimate capacity of intermediate length thin walled section under compression	Iranian Journal of Science and Technology, Transactions of Civil Engineering	38(C1)	191-204	2014
62	**M.Anbarasu*** S.B.Kumarand S. Sukumar	New approach to improve the distortional strength of intermediate length cold formed steel rack columns.	Journal of Structural Engineering (Madras)	40(6)	44-53	2014
63	**M.Anbarasu*** and S. Sukumar	Local/Distortional/Global Buckling Mode Interaction on Thin Walled Lipped Channel Columns	Latin American Journal of Solids and Structures	11(8)	1363-1375	2014
64	**M.Anbarasu***, D.Amali and S. Sukumar	New Approach to Improve the Distortional Strength of Intermediate Length Web Stiffened Thin	KSCE Journal of Civil Engineering	17(7)	1720-1727	2013

		Walled Open Columns				
65	**M.Anbarasu*** and S. Sukumar	Study on the effect of ties in the intermediate length Cold Formed Steel (CFS) columns	Structural Engineering and Mechanics	46(3)	323-335	2013
66	**M.Anbarasu*** and S. Sukumar	Effect of connectors interaction in behaviour and ultimate strength of intermediate length cold formed steel open columns.	Asian Journal of Civil Engineering,	14	305-317	2013
67	S.Sukumar and **M.Anbarasu**	Investigation on Cold Formed Steel Section Long Column With Intermediate Stiffener and Corner Lips – Under Axial Compression.	International Journal of Applied Engineering Research	1(1)	28-41	2010

13. Detail of patents:

S. No.	Patent Title	Name of Applicant(s)	Patent No.	Award Date	Agency/Country	Status
Nil						

14. Books/Reports/Chapters/General articles etc.

S. No.	Title	Author's Name	Publisher	Year of Publication
1	Draught Man Civil – Theory (English) For H.S.C Vocational Stream Students	Dr. P.Perumal, Prof.V.Rajkumar, **Prof.M.Anbarasu**, Th. R.Ravi and V.V. Balaji	Tamil Nadu Text Book Corporation, Government of Tamil Nadu, Chennai.	2011
2	Draught Man Civil – Theory (Tamil) For H.S.C Vocational Stream Students	Dr. P.Perumal, Prof.V.Rajkumar, **Prof.M.Anbarasu**, Th. R.Ravi and V.V. Balaji	Tamil Nadu Text Book Corporation, Government of Tamil Nadu, Chennai.	2011
3	Draught Man Civil – Practical	Dr. P.Perumal, Prof.V.Rajkumar,	Tamil Nadu Text Book Corporation,	

	(English) For H.S.C Vocational Stream Students	**Prof.M.Anbarasu**, Th. R.Ravi and V.V. Balaji	Government of Tamil Nadu, Chennai.	2011
4	Draught Man Civil – Practical (Tamil) For H.S.C Vocational Stream Students	Dr. P.Perumal, Prof.V.Rajkumar, **Prof.M.Anbarasu**, Th. R.Ravi and V.V. Balaji	Tamil Nadu Text Book Corporation, Government of Tamil Nadu, Chennai.	2011

15. Any other Information (maximum 500 words)

- Received grant for an amount of Rs. 7,500/- from Tamil Nadu State Council for Science and Technology, Chennai, Tamil Nadu under Student Project Scheme – 2013.

- Received grant for an amount of Rs. 10,000/- from Tamil Nadu State Council for Science and Technology, Chennai, Tamil Nadu under Student Project Scheme – 2016.

- Received grant for an amount of Rs. 2,74,000/- under **Minor Research Project** from **UGC**, New Delhi (2017).

- Received grant for an amount of Rs. 5.44 Lakhs to conduct MHRD sponsored **GIAN** course on "Sustainable Infrastructure Design using High Strength Metallic Alloys" from 04.01.2018 to 09.01.2018.

- Received grant for an amount of Rs. 3.91 Lakhs to conduct **AICTE** sponsored two week faculty development programme on "ANALYSIS AND LIMIT STATE DESIGN OF STRUCTURAL STEEL WORKS AS PER IS 1893-2016 & IS 800-2007" from 13.11.2019 to 26.11.2019.

- Number of Ph.Ds produced – 2, Number of Ph.Ds Ongoing – 3
- https://www.researchgate.net/profile/M_Anbarasu