

BIO - DATA

1 Name (in block letters) : Dr. S. SUKUMAR
 2 Qualifications : B.E. (Civil); M.E. (Struct); Ph.D.
 3 Date of Birth : 15.11.1957 Age: 58
 4 Address for : Residential Address
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5. Work Experience

Sl.No	Period		Designation	Institution	Experience
	From	To			
1	27-09-1983	May 1988	Associate Lect	Govt. College of Engineering, Salem	17 years
2	May 1988	May 1991	AL / Lecturer	AC College of Engg & Tech. Karaikudi	
3	May 1991	June 1994	Lecturer	TP. Govt. Inst. Of Technology, Vellore	
4	June 1994	April 1999	Lecturer	Govt. College of Engineering, Bargur	
5	April 1999	Feb 2001	Lecturer	Govt. College of Technology, Coimbatore	
6	Mar 2001	June 2003	Assistant Prof.	TP. Govt. Inst. Of Technology, Vellore	8 years
7	June 2003	Feb 2009	Asst./Asso. Prof.	Govt. College of Engineering, Salem	
8	Mar 2009	31-5-2016	Professor	Govt. College of Engineering, Salem	7 years (RETIRED)
Total no. of years of experience					32 years

6. Academic qualifications (starting from highest qualification)

Degree / Diploma	Branch / Specialization	Classes	% of Marks	Name of The Institution	Full / Part Time	University	Month & year of passing
Ph. D.	Civil			PSG College of Technology, Coimbatore	Part Time	Bharathiyar	14 Dec 2005
PG	M. E. (Struct.)	First	79.1	PSG College of Technology, Coimbatore	Full Time	Madras	July 1981
UG	B.E. (Civil)	First	70.4	Regional Engg. College, Trichy	Full Time	Madras	April 1979

7. Research

- 37 Papers have been published in National and International Journals (list enclosed) and more than 45 papers presented in National Conferences.
- Details of Ph.D. Scholars

Sl. No	Title	Name of the Candidate	Regn. Date	Status
1	Study of Solid Fluid Interaction of water Tanks using Finite Element Technique	S.R.Damodarasamy Principal(Retd.) Principal, GCE Salem	Jan 2009	21.04.2011 Completed
2	Study on Cold Formed Steel Built up I Section Under Bending	K. sudha Asst. Prof., GCE Salem	Jan 2007	29.10.14 Completed
3	Study on Cold Formed Steel Built up I section with Trapezoidal Corrugated web under Bending	G. Arunkumar Asst. Prof., GCE Salem	Jan 2007	29.10.14 Completed
4	Investigation on Buckling Behaviour of Intermediate length Cold Formed Steel Columns	M. Anbarasu Asst. Prof., GCE Salem	July 2007	09.01.14 Completed
5	Behaviour of Cold Formed Steel Built up section under bending	P. Manikandan Asst. Prof., KSR Inst. Of Tech.	Jan 2009	11.03.15 Completed
6	GIS based spatial analysis of subsurface and modelling of subsoil data in salem Block for Infrastructure developments	S. Arulkumaran Asst. Exe. Engr. PWD	Jan 2009	04.12.15 Completed
7	Study on Cold Formed steel under Compression with Compound in web	G. Aruna Asst. Prof. Sona College of Tech	Jan 2009	completed
8	Study on self Compacting Concrete in Filler Slabs	S. Sundari Asst. Prof., GCE Salem	Jan 2011	Thesis submitted

8 Professional Experience

- Handled the tasks of managing staff, students and all activities related to college
- Responsible for maintaining proper decorum and principles on the college campus
- Monitored and maintained safe and peaceful environment
- Responsible for monitoring attendance of teachers and students and getting feedback from teachers, parents and students of Civil Engineering Department.
- Involved in the Preparation of Right to Information Act 2005 manual for Directorate of Technical Education (April 2008).
- Participated in the 10th JRM meeting along with the Principal under TEQIP activity at NIT Warangal (19th to 22nd of Jan 2009).
- Involved in the process of getting Accredited of Civil Engineering Dept of GCE Salem for both UG and PG courses.

- Involved in the process of getting Academic Autonomy for the Institute.
- Acted as Principal In-charge with full financial powers at GCE, Salem, during March 2009.
- Acted as Principal In-charge at various occasions.
- As member involved in the preparation of Report on 6th Pay Commission anomaly, for submitting to Govt. Of Tamil Nadu.
- Established Autonomous office. As Deputy Controller of Examinations, involved in conducting end semester Examinations and publishing Results, issue of Grade sheets etc.
- Involved in the preparation of a proposal for installing software in the LAPTOPS under free distribution of Laptops for Engg. College students, as Convenor.
- As in-charge of Soil Mechanics lab involved in the revenue generation approximately Rs.25.0lakhs every year (Design, Consultancy, testing etc.)
- Involved in submitting a Road Alignment proposal at PALAMALAI Reserve forest Hills - 8km for those who do not have transport facility even after 65 years of Independence.
- Involved in the preparation of Matrix for 1st year admission 2013-14 at the office of Commissioner of Technical Education.
- Member of Board of Governors for various Institutions.
- Member of Board of studies for various Institutions.
- Acted as convener for Inspection of various Polytechnic Colleges appointed by COTE.

9. Institution / Department / Laboratory Development Contribution

- As Library officer involved in the preparation of a proposal for the construction of Digital Library under Part II Scheme at a cost of Rs.100 lakhs (2007-08).
- As Library officer involved in the preparation of a proposal for providing additional facilities, like Blade server, 100 nodes, e-books, Online journals, 1:4 Mbps static IP, Video Conference Hall etc. to the Digital library under part II Scheme at a cost of Rs.87.50lakhs (2008-09).
- Under TEQIP Phase II programme involved in procurement of the following equipments at a total cost of approximately Rs.88.0 lakhs.

○ Finite Element software	Rs. 7.5Lakhs
○ Building analysis and design software	Rs. 5.5Lakhs
○ GPS and processing software	Rs.29.5Lakhs
○ Corrosion analysis equipment	Rs,15.0Lakhs
○ Total Station for surveying	Rs.30.0Lakhs
- Involved in the development of Soil lab, got an amount of Rs.11 lakhs under MODROBS Scheme for the purchase of Computerised Direct Shear test apparatus, UCC apparatus.
- Involved in the purchase of Computerised Triaxial testing apparatus at a cost of Rs.7.5Lakhs.

10. Programs organized

- Co-ordinator – National Programme for Capacity Building of Engineers in Earthquake Risk Management – phase II 10-07-2006 to 22-07-2006.
- Co-ordinator – Workshop on application and utilization of advanced laboratory equipments 15-02-2007 to 17-02-2007.
- Co-ordinator – GPS and its applications in the field of surveying 20th & 21st of Sep 2008.
- Co-ordinator – GIS and its applications in the field of surveying 6th Nov 2008.
- Co-ordinator- Design of Steel Structures using IS800-2007, 09-02-2009 to 13-02-2009.
- Co-ordinator – Dynamic Analysis using ANSYS 23-02-2009 to 27-02-2009.
- Co-ordinator – Dynamic Analysis of Solid-Fluid-Soil Interaction problems using ANSYS 02-03-2009 to 06-02-2009.

PUBLICATIONS IN INTERNATIONAL / NATIONAL JOURNALS

1. Sundari.S, Sukumar.S., “Experimental Study on Self Compacting Concrete with varying proportioning of aggregates”, Asian Jn. Of Research in Social Sciences and Humanities, 6(8), Aug – 2016 pp 370-380.
2. Sundari.S., Sukumar.S., “Study on filler slab using self Compacting Concrete with terracotta pots as filler”, Int. Jn. Of Advanced Engineering Technology, VII (II), Apr-Jun-2016, pp 961-966.
3. Chitra.S., Sudha. K, Sukumar.S, “Numerical Investigation on the effect of stiffeners on cold-formed steel latticed Built-up I section with lipped angles” Int. Jn. of Research and Innovation in Engineering Technology, 2 (12), 2016, pp 1-7.
4. Aruna.G, gayathri. S., Williams.WJJ., Sukumar.S., “Numerical study on behavior of cold formed steel lipped angle columns”, Int. Jn. of Research and Innovation in Engineering Technology, 2(12), 2016, pp.15-21.
5. Manikandan.P., Sukumar.S., “Effect of stiffened element and edge stiffener in strength and behavior of cold-formed steel built-up beams”, Advances in Computational design, 1(2), Apr-2016, pp.207-220.
6. Manikandan. P., Sukumar. S., “Behaviour of cold-formed steel Built-up closed section with intermediate web stiffener under Bending”, Asian Jn. Of Civil Engg. (BHRC), Vol.17, No2 (2016) PP 249-257.
7. Manikandan. P., Sukumar. S., “Behaviour of Stiffened Cold-Formed Steel Built-up Sections with Complex Edge Stiffeners under Bending”, KSCE Jn of Civil Engineering, 19(7), Apr-2015, 2108-2115.
8. Aruna. G, Sukumar. S., Karthika. V. “Study on Cold formed Steel built-up aquare section with intermediate flange and web stiffeners” Asian Jn. Of Civil Engg. (BHRC), Vol.16, No7, PP 919-931, 2015
9. Arulkumaran.S and Sukumar. S, “Geotechnical parameters prediction models for infrastructure developments”, International Jn. Of Applied Engineering Research, Vol.10, No.7, pp 17251-17260, 2015.

10. Arulkumaran.S and Sukumar. S, “Restoration of recharge structures for sustainable environment using GIS and remote sensing”, International Jn. Of Applied Environmental Sciences, Vol.10, No.2, pp 593-601, 2015.
11. Arulkumaran.S and Sukumar. S, “Planning of Infrastructures using Remote sensing Data and GIS for sustainable Environment”, EM International, article 16, Poll Res. 34(3). pp 107-112, 2015.
12. Arulkumaran.S and Sukumar. S, “Regression Model to Predict Subsurface Properties”, International Jn. Of Earth Sciences and Engineering, Vol.8,No.2, pp 233-237 April 2015.
13. Arulmozhi.R, Subramani.T and Sukumar. S., Mitigation of environmental impacts due to ghat road formation in palamalai Hills, South India, by optimizing cut and fill volumes using GPS and GIS techniques”, Int. Jn. Of Environmental Monitoring and Assessment, Vol.187 No.1187:4094 Nov 2014.
14. Arulkumaran.S and Sukumar. S, “Land Assessment for Infrastructure developments using Remote Sensing and GIS”, International Jn. Of Earth Sciences and Engineering, Vol.7,No.2, pp 632-635 April 2014.
15. Anbarasu, M., Bharath Kumar, S. and **Sukumar, S.**, “Study on the capacity of Cold-formed steel built-up battened Columns under axial Compression”, Latin American Journal of Solids and Structures, Vol 11 No.12 pp2271-2283, 2014.
16. Anbarasu, M., Kanagarasu, K., and **Sukumar, S.**, “Investigation on the behaviour and strength of cold-formed steel web stiffened built-up battened columns”, Materials and Structures DOI: 10.1617/s 11527-014-0463-8, 2014.
17. Manikandan P., **Sukumar S.**, and T U Balaji “Effective shaping of cold-formed thin-walled built-up beams in pure bending”, Arabian Journal for Science and Engineering.39(8) 6043-6054, 2014 (Impact Factor: 0.385)
18. Anbarasu, M. and **Sukumar, S.** “Finite Element Based Investigation on Performance of Intermediate Length Thin walled Columns with Lateral Stiffeners”, Arabian Journal for Science and Engineering 39(10), 6907-6917, 2014 (Impact Factor: 0.385)
19. Anbarasu M., and **Sukumar S.** “Local/Distortional/Global Buckling Mode Interaction on Thin Walled Lipped Channel Columns”, Latin American Journal of Solids and Structures,11(8) 1363-1375,2014. (Impact Factor: 1.210)
20. Anbarasu, M. and **Sukumar, S.** “Influence of Spacers on Ultimate Strength of Intermediate Length Thin walled Columns”, Steel and Composite Structures – An International Journal 16(4) 437-454, 2014. (Impact Factor: 0.933)
21. Anbarasu, M. and **Sukumar, S.** “Study on the Effect of Spacers on the Ultimate Capacity of Intermediate Length Thin walled Section under compression”, Iranian Journal of Science and Technology Transaction of Civil Engineering, Vol38,No C1, pp 191-204, 2014.
22. Arunkumar G., and **Sukumar S.** “A Simplified method for calculating warping constant for lipped I-beam with Trapezoidal corrugation in web”, Journal of Structural Engineering (Madras), CSIR-SERC, Vol. 40, No. 6, Pp 531-541, February-March, 2014.
23. Anbarasu, M., Bharath Kumar, S. and **Sukumar, S.** “New approach to improve the Distortional Strength of Intermediate Length Cold Formed Steel Rack Columns”, Journal of Structural Engineering (Madras), CSIR-SERC Vol. 40, No. 6,Pp 521-529, February-March, 2014.
24. Sudha.K., and **Sukumar S.** “Behaviour of Cold-Formed Steel Built-up I Section Under Bending”, International Journal of Engineering and Technology, Volume 05, No. 06 ,December 2013.
25. Arunkumar G., Sampathkumar P. and **Sukumar S.**, “Investigation On Cold – Formed Steel Lipped I-Beam With Trapezoidal Corrugation In Web By Varying Depth” IJIRD Journal, Volume 2, Issue 5, May, 2013.

26. Anbarasu, M. and **Sukumar, S.** “Effect of Connectors Interaction in Behaviour and Ultimate Strength of Intermediate Length Cold formed Steel Open Columns”, Asian Journal of Civil Engineering (BHRC), Vol. 14, No. 2, pp. 305-318, 2013.
27. Anbarasu, M., Amali, D. and **Sukumar, S.** “New approach to improve the Distortional Strength of Intermediate Length Web Stiffened Thin Walled Open Columns”, KSCE Journal of Civil Engineering, Vol. 17(7), pp. 1720-1727, 2013. (Impact Factor: 0.383)
28. Arunkumar G., **Sukumar S.**, and Sathishkumar P., “Effect of the corrugation angle in cold-formed steel beam Lipped I – section with trapezoidal corrugated web” International Journal of Earth science and Engineering, Volume 06, No. 01 (01) P.P.1984-1991, February 2013.
29. Anbarasu, M., Bharath Kumar, S. and **Sukumar, S.** “Study on the Effect of Ties in the Intermediate Length Cold Formed Steel (CFS) Columns”, Structural Engineering and Mechanics - An International Journal, Vol. 46, No. 3, pp. 323-335, 2013. (Impact Factor: 0.833)
30. P. Manikandan, **S.Sukumar**, and L.S. Naresh, “Finite element modelling of cold-formed beams with intermediate stiffeners”, International Journal of Earth Sciences and Engineering, vol 5, No.03(01), pp547-553, 2012.
31. Damodarasamy, S.R., and **Sukumar, S.**, “Study of Solid Fluid Interaction of Dam-Reservoir using Finite Element Technique”, International Journal of Engineering Research and Industrial Applications, Vol.3, No.III, Pg.151-159, August, 2010.
32. Anbarasu, M., Meiyalagan, M. and **Sukumar, S.** “Investigation on Cold - formed C - section Long Column with Intermediate Stiffener & Corner Lips – Under Axial Compression” , International Journal of Applied Engineering Research, Vol.1 No.1, pp 28-41,2010
33. **Sukumar, S.**, Sudha, K., Senthamil Selvi, S., Kalaiarasi, K.A., and Fazira, S.R., “Moment coefficient tables for continuous circular slabs subjected to uniformly distributed load, Journal of Structural Engineering, Vol.34, No.3, August-September, 2007.
34. **Sukumar, S.** and Sudha, K., “Over Head Water Tank with Boat type Container at Coimbatore”, Journal of Indian Water Works Association, Pg.53-55, April-June, 2006.
35. **Sukumar, S.**, Parameswaran, P. and Jayagopal, L.S., “Local-, distortional- and Euler-buckling of thin walled built-up open cross-sections under compression”, Journal of Structural Engineering, Vol.32, No.6, February-March, 2006.
36. **Sukumar, S.**, Parameswaran, P. and Jayagopal, L.S., “Torsional flexural buckling of built-up open cross-sections under eccentric load”, Journal of Structural Engineering, Vol.30, No.4, January-March, 2004.
37. **Sukumar, S.**, Parameswaran, P. and Jayagopal, L.S., “Behaviour of built-up open cross sections under axial load”, Journal of Structural Engineering, Vol.30, No.2, July-September, 2003.