

## **BIO DATA**

Name Dr. C.SASHIDHAR  
Fathers Name C.Venkatarayalu  
Date of Birth 24-08-1971  
Designation Professor and Registrar  
J.N.T.University Anantapur  
ANANTAPUR-515002  
Caste Scheduled Caste  
Nationality **Indian Hindu**



### **Qualifications**

<b>DEGREE</b>	<b>INSTITUTE/ UNIVERSITY</b>	<b>YEAR</b>	<b>% of Marks</b>	<b>FIELD</b>
B.Tech	S.K.University Anantapur	1993	57.0	Civil Engg
M.Tech	J.N.T.UNIVERSITY Hyderabad	1998	75.0	Structural Engineering
Ph.D.,	J.N.T.UNIVERSITY Hyderabad	2005	-----	Civil Engineering

### **1. Experience**

<b>Post</b>	<b>EMPLOYER</b>	<b>PERIOD</b>	<b>YEARS</b>
Asst Executive Engineer	Registrar J.N.T.UNIVERSITY Hyderabad	Nov 1999 to Nov 2000	1 Year
Assistant Professor	Registrar J.N.T.UNIVERSITY Hyderabad	Nov 2000 to Nov 2006	6Years
Associate Professor	Registrar J.N.T.UNIVERSITY Anantapur	Nov 2006 to Nov 2012	6 Years
Assistant Director	AICTE, New Delhi	October 2010 to February 2011	5 Months
Professor	Registrar J.N.T.UNIVERSITY Anantapur	Nov 2012 to till date	10 - 1/2 years

**Total : 23- 1/2 Years**

## **2. SUBJECTS OF PROFICIENCY**

### **Under Graduate level:**

Advance Mechanics of Solids  
Structural Analysis I & II  
Design of R.C.C. Structures  
Design of Steel Structures  
Concrete Technology  
Bridge Engineering

### **Post Graduate level:**

Advance Structural Analysis  
Structural Stability  
Structural Dynamics  
Experimental Stress Analysis  
Finite Element Method

### **Guiding Research:**

Ph.D	: Guided 22 research scholars and guiding 5 research scholars
M.Tech Level	: Guided 50 M.Tech dissertations
B.Tech Level	: Guided 40 B.Tech dissertations

## **3. CONSULTANCY SERVICES**

Member of Industrial Consultancy Service (ICS) group at JNTU College of Engineering, Anantapur for the past 17 years and actively involved in generating funds to the University. In addition to routine laboratory testing of building materials, & road materials several mix design projects, structural design projects have been taken up. The satisfied regular clients include several Government organizations viz.

- 1) A.P. State Roads & buildings department
- 2) A.P. State Panchayat Raj department
- 3) A.P. State Irrigation department
- 4) A.P. Industrial Infrastructure Corporation
- 5) A.P. State Housing Corporation
- 6) C.P.W.D
- 7) Third Party Quality Control to various Organizations

## **5. PUBLICATIONS (Separate Sheet Enclosed)**

### **Journals**

<b>i) National</b>	<b>:</b>	<b>5</b>
<b>ii) International</b>	<b>:</b>	<b>56</b>

### **Conferences**

<b>i) National</b>	<b>:</b>	<b>12</b>
<b>ii) International</b>	<b>:</b>	<b>24</b>

<b>Magazines</b>	<b>:</b>	<b>2</b>
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<b>Text Books</b>	<b>:</b>	<b>3</b>
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## **6. ADMINISTRATIVE EXPERIENCE**

1. Project Engineer at JNTU College of Engineering Anantapur from March 2001 to June 2005. Major construction works in the college were planned and executed along with regular maintenance works.
2. Officer In Charge of Academic Section from Jan 2009 to Sept 2010. Looking after the examination work including confidential work like evaluation of papers, publishing results etc., at Academic Section.
3. Co-ordinator - SC/ST Students cell of J.N.T.U.A. College of Engineering Anantapur from Nov 2008 to March 2013.
4. Worked as Assistant Director, AICTE, New Delhi for 5 months from Oct 2011 to Feb 2011.
5. Head of Civil Engineering Department, JNTUA College of Engineering from March, 2011 to March 2013.
6. Additional Control of Examinations, J.N.T.University Anantapur, Anantapur from 7<sup>th</sup> March 2013 to 8<sup>th</sup> Sept 2014.
7. Control of Examinations, J.N.T.University Anantapur, Anantapur from 8<sup>th</sup> Sept 2014 to 4<sup>th</sup> April 2018.

8. Director, ICS J.N.T.University Anantapur, Anantapur from 4<sup>th</sup> April 2018 to 29<sup>th</sup> April 2021.
9. Director of Evaluation, J.N.T.University Anantapur, Anantapur from 27<sup>th</sup> July 2019 to April 2021.
10. Registrar, J.N.T.University Anantapur, Anantapur from 1<sup>st</sup> May 2021 to till date.

## 7. FOREIGN VISITS

- 1) **U.S** – Presented a research paper on “Shear Strength Characteristics of SIFCON”, at First International Conference on Recent Advances in Concrete Technology at Washington U.S.A.
- 2) **U.S** – Presented a research paper on “An Experimental Investigation on Glass Fibre Reinforced High Performance Concrete with Metakaolin as Admixture”, 3<sup>rd</sup> Fib International Conference, at Washington D.C, 29 May to 2 June 2010.
- 3) **New Zealand** - Presented a research paper on “Production and Evaluation of High Performance Concrete” in 9<sup>th</sup> Symposium on High Performance Concrete held from 9<sup>th</sup> Aug to 12<sup>th</sup> Aug 2011 at Rotura, New Zealand
- 4) **Bangkok** – Presented a research paper on “ Punching Shear Behaviour of Recycle Aggregate Concrete slabs” in Third international conference on construction in developing countries (ICCIDC – III) “Advanced Civil, Architectural and construction Engineering & Management” July 4-6, 2012 Bangkok, Thailand.
- 5) **South Africa** – Presented a research paper on “Strength Monitoring of Concrete Structures by Using Non Destructive Testing ” in 3<sup>rd</sup> International Conference on Concrete Repair, Rehabilitation and Retrofitting, at Cape Town from 3-5 September, 2012.
- 6) **U.S** – Presented a research paper on “Systematic Procedure for Self Compaction Concrete Mix Design” has been selected for Fifth North American Conference on the Design and Use of Self Consolidating Concrete to be held from May 12–15, 2013 at Chicago, US.
- 7) **France** – Presented a research paper on “Drying shrinkage based fly ash blended Self Compacting Concrete Mix Design ” has been selected for 7<sup>th</sup> International Conference on Self Compacting Concrete and / or the 1<sup>st</sup> Conference on Rheology and Processing of Construction Materials to be held from 2<sup>nd</sup> Sept to 4<sup>th</sup> Sept 2013 at Paris.
- 8) **Russia** – Presented a research paper on “An Experimental Investigation on usage of Stone Waste Aggregate in Concrete” has been selected for 3<sup>rd</sup> All-Russia (International) Conference on Concrete and Reinforced Concrete, held on 12<sup>th</sup> May to 16<sup>th</sup> May 2014 at Moscow, Russia.

## **8. PROJECTS**

- 1. Research project titled “Experimental Investigation on Utilization of Polishing Industry Waste in Cement Concrete” sanctioned by DST, New Delhi – Rs.14.16 Lakhs**
- 2. Research Project titled “ Seismic performance assessment of low to medium reinforced concrete buildings designed for different levels of ductile detailing” sanctioned by AICTE – Rs 4.35 Lakhs**
- 3. Research Project titled “ Utilization of Natural Rubber in Road Construction “ by MoRTH, New Delhi – Rs 175.23 Lakhs**

## **9. PROGRAMS ORGANISED / CONDUCTED**

**Organized the following programs as Coordinator at J.N.T.U.College of Engineering ANANTAPUR**

1. National Conference on “Recent Advances in Structural Engineering” conducted on 9th March 2007.
2. National Student level Symposium on “Recent Advances in Civil Engineering” conducted on 10th March 2007.
3. National workshop on High –Performance-Concrete, HPC-2006 at JNTU College of Engineering, Anantapur on 24<sup>th</sup> February, 2006
4. Community Services program on “Design, Construction and Maintenance of Rural roads”. A training program for Gram Sarpanches and Panchayat Raj Engineers conducted on 16<sup>th</sup> September 2006.
5. Community Services program on “Training of Masons on Construction Techniques” conducted from 11th – 23rd December 2006.
6. Community Services program on “Survey and Concrete Technology hands on experience for unemployed youth “. A training program for rural 10<sup>th</sup> class candidates conducted from 17<sup>th</sup> December 2007 – 10<sup>th</sup> January 2008.
7. Organized one day National workshop on “Applications of Artificial Neural Networks in Civil Engineering “on 16<sup>th</sup> February 2008.

8. National Student level Symposium on “Recent Advances in Civil Engineering” conducted on 28<sup>th</sup> Jan 2009.
9. Organized one day National workshop on “Earth Quake Resistant Structures on 12<sup>th</sup> March 2009.
10. National Student level Symposium on “Recent Advances in Civil Engineering” conducted on 12<sup>th</sup> March 2010.
11. National Student level Symposium on “Recent Advances in Civil Engineering” conducted on 2<sup>nd</sup> and 3<sup>rd</sup> March 2012.
12. Chairman of National Student level Symposium on “Recent Advances in Civil Engineering” conducted on 1<sup>st</sup> March 2013
13. National Student level Symposium on “Recent Advances in Civil Engineering” conducted on 10 and 11<sup>th</sup> March 2016.
14. National Level One Day e-Workshop “ Recent Advances in Structural Engineering (RASE)- 2020 on 30<sup>th</sup> May 2020.

## **10. Professional Memberships**

1. Member of American Concrete Institute (ACI)
2. Member of Indian Society of Technical Education (ISTE)
3. Fellow of Institute of Engineer (FIE)
4. Member of Indian Concrete Institute (ICI)

## **11. AWARDS RECEIVED**

1. A.P. State Government award for **BEST TEACHER** for the year 2016 from the Chief Minister of A.P.
2. ISTE Award 2020 “Late Palle Uma memorial State Award for Best Civil Engineering Teacher in A.P.
3. District Collector Award for Best Service during Republic Day Celebrations on 26<sup>th</sup> Jan 2021.

## **12. Nominations to various reputed bodies**

- 1) Appellate Committee member of AICTE, New Delhi.
- 2) Board of studies member to J.N.T.University, Anantapur, S.K.University Anantapur, S.V.U.College of Engineering and Technology, Chittoor, Annamacharya Institute of

Technology and Sciences, Rajampeta, Sree Vidyaniketan Engineering College  
Rangampeta , N.B.K.R.I.S.T, Vidyanagar , Nellore Dist.

- 3) AICTE – CII Survey of Industry – Linked Technical Institutions – JURY.
- 4) Former Secretary and Former Chairman Anantapur Local Chapter - Institute of Engineers, Kolkata
- 5) Executive Member of J.N.T.University Anantapur during March 2016 to June 2019.
- 6) Member, State Level Expert Appraisal Committee (SEAC) of A.P State Minsitry of Environment, Forest and Climate Change.

#### **PATENTS Published - (4 Nos)**

1. Title of Invention : DDLS-High Tech Buildings Design and Develop Low Cast School, Office, Hospital, High Tech Buildings, Application No : 202041040400 – India
2. Title of Invention : Self Healing Composite, Application No: 202141008336 A – India
3. Title of Invention : An Artificial Intelligence and Block Chain System for Farmers Empowerment , Application No : 2021104274 – Australia
4. Self Sensing Reinforced Concrete and Structures and Structural Health Monitoring using the Same, Application No : 202141058280 – India.

#### **NPTEL COURSES**

1. Successfully completed the course – Structural Dynamics (Jan–Apr 2022)
2. Successfully completed the course – Introduction to Machine Learning (Jul-Oct-2022)

#### **LIST OF PUBILICATIONS**

##### **Books:**

1. A book titled “Development & Evaluation of Normal Strength Self Compacting Concrete” is published in Lambert Academic Publishers with ISBN No: 978-620-2-68242-8.

2. A book titled “Strength and Shrinkage studies on SCC using Manufactured Sand - a new era to artificial sand” is published in Lambert Academic Publishers with ISBN No 978-620-2-67744-8.
3. A book titled “ Advanced Self Healing Materials in Concrete Composites” is published in Lambert Academic Publishers with ISBN No 978-620-0-44297-0.
4. A book titled “Reinforced Self Compacting Concrete Blended with Fly Ash and Alccofine” published by Scholor’s Press with ISBN No 978-620-5-52058-1.

**International journals:**

1. V.Venkateswara, K.Gnaneswar, N.V.Ramana and C.Sashidhar,(2011), “Effect of Pottasium Chloride (KCl) on Ordinary Portland Cement(OPC) Concrete”, Research Journal of Chemical Sciences”, Vol. 1, pp. 103-107.
2. G.Reddy Babu, B.Madhusudhan Reddy, N.V.Ramana and C.Sashidhar,(2011), “Effect of Heavy Metal and Magnesium Sulphate on Properties of Blended Cement Mortar”, Research Journal of Chemical Sciences, Vol. 1, pp. 27-32.
3. N.V.Ramana, C.Sashidhar, K.Gnaneswar and T.Naresh Kumar,(2012), “Behaviour of High Performance Concrete Two Way Slabs in Punching Shear”, International Journal of Science and an advanced Technology, Vol. 2, pp. 122-126.
4. Mourougane, C.G.Puttappa, C.Sashidhar, K.U.Muthu (2012) Mechanical Properties and Durability Characteristics of High Strength Fly Ash Based Geopolymer Concrete, International Journal of Emerging Technologies and Applications in Engineering, Technology and Sciences Vol 5, Issue1 pp 93 – 98.
5. J. Guru Jawahar, C. Sashidhar, I.V. Ramana Reddy and J. Annie Peter (2012), “A Simple Tool for Self Compacting Concrete Mix Design, International Journal of Advances in Engineering & Technology, Vol. 3, Issue 2, pp. 550-558.
6. J. Guru Jawahar, M.M. Premchand, C. Sashidhar, I.V. Ramana Reddy and J. Annie Peter (2012), “ Effect of Coarse Aggregate Blending on Fresh Properties of Self Compacting Concrete , Journal of Advances in Engineering & Technology, Vol. 3, Issue 2, pp. 456-466.

7. J. Guru Jawahar, C. Sashidhar, I. V. Ramana Reddy and J. Annie Peter, "Optimization of Superplasticiser and Viscosity modifying agent in Self Compacting Mortar", Asian Journal of Civil Engineering (BHRC) Vol. 14, No. 1 (2013) pp 71-86.
8. J. Guru Jawahar, C. Sashidhar, I. V. Ramana Reddy and J. Annie Peter, "Micro and macrolevel properties of fly ash blended self compacting concrete", Elsevier Materials and Design 46 (2013) pp 696–705.
9. J. Guru Jawahar, C. Sashidhar, I. V. Ramana Reddy and J. Annie Peter, "Effect of coarse aggregate blending on short-term mechanical properties of self compacting concrete", Elsevier Materials and Design 43 (2013) pp 185–194.
10. J. Guru Jawahar, C. Sashidhar, I. V. Ramana Reddy and J. Annie Peter, "Design of cost-effective M 25 grade of self compacting concrete", Elsevier Materials and Design 49 (2013) pp 687–692.
11. N.V.Ramana, C.Sashidhar, S.Subba Reddy and S.Vinay Babu ,(2013), "A Technical feasibility approach to utilise the stone waste for construction works", International Journal of Innovative Research in Science,Engineering and Technology, Vol. 2, Issue 8, pp. 3758-3761.
12. M. S. Shobha, Dr. C. Shashidhar, Dr. H. Sudarsana Rao,(2013) " Strength Studies of Natural Rubber Latex Modified High Performance Concrete", International Journal of Engineering Research & Technology, Vol.2, Issue 5,pp.1836-1852.
13. K.Munirathnam, Dr.H.Sudarshana Rao, Vaishali G.Ghorpade and C.Sashidhar "Influence of Natural Rubber Latex on Permeability of Fibre Reinforced High Performance Concrete", International Journal of Innovative Research In Science Engineering And Technology, Vol.2, Issue 7, July 2013.
14. N.Venkata Ramana, R.Harathi, S.Vinay Babu and C.Sashidhar "Performance of High Density Polythene (HDPE) Fibre Concrete", Asian Academic Research Journal Of Multidisciplinary, Vol 1, Issue 13, September 2013.
15. T.Naresh Kumar, N.Venkata Ramana, E.Aruna Kanthi and C.Sashidhar, "Performance of Stone Waste Aggregate Concrete Slabs under Impact Loading, "International Journal of Engineering Research and Development", Volume 8, Issue 7 (September 2013), PP. 75-80.

16. T.Geetha Kumari, C.G.Puttappa, C.Sashidhar, K.U.Muthu (2013) Flexural Characteristics of SFRNC and SFRSCC one way slabs, International journal of research in Engineering and Technology, volume – 2,July 2013, <http://www.ijret.org>
17. B. Madhusudhana Reddy, D. Pavan Kumar and C.Sashidhar “Effect of potassium chloride on fly ash based blended cement concrete”, International journal of Engineering research and applications, volume – 4,January 2014, pp.365-370.
18. D. Pavan Kumar, C.Sashidhar and B. Madhusudhana Reddy, “Effect of NACL on Steel Fibre Reinforced Blended Cement”, International journal of Structural and Civil Engineering, Vol 3 No1, Feb 2014, pp.82-89.
19. A.Abdul Malik and C.Sashidhar “Vibration Control of Framed Structures under Seismic Excitations using TMD”, International journal of Advanced and Innoovative Research”, Vol 3 Issue 11, 2014, pp.302-306.
20. T.Geetha Kumari, C.G.Puttappa, C.Sashidhar, K.U.Muthu (2014) Finite Element Analysis on Flexural Characteristics of SFRNC and SFRSCC one way restrained slabs using ANSYS - International Journal of Civil Engineering Technology and Research, Vol. 2, Issue 1, pp.267-276.
21. E.Aruna Kanthi, N.V.Ramana, C.Sashidhar, (2014) Bearing strength of polyethylene terephthalate (PET) fibre reinforced recycle aggregate concrete, International journal of Advanced Technology in Engineering and Science, Vol. 2, Issue 1, pp.663-666.
22. H.Sudarsana Rao, C.Sashidhar, Vaishali G Ghorpade, V.Venkat Reddy (2015), Behavior of High Performance Concrete Two Way Slabs in Impact for Fixed Edge Condition, international journal of emerging trend in Engineering and development vol 2 issue 5, March 2015, pp 105-111.
23. G Narasimhulu, C Sashidhar, G Reddy Babu, B Madhusudhana Reddy “Effect on Strength Parameters of Double Mixed Sulphate on Fly Ash Blended Cement Mortar”, International Research Journal of Engineering and Technology (IRJET), Volume: 03, pp 1231 – 1237.
24. V.Nagendra, C.Sashidhar, S.M.Prasanna Kumar, N.Venkata Ramana (2015), “Size and dosage of Micro Silica Fume Behaviour for partial replacement of

- Cement in Concrete”, IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE), Vol. 12, Issue 6 ver.VI, pp.32-36.
25. C.Sashidhar, J.Guru Jawahar, C.Neelima, D.Pavan Kumar (2015), “Fresh and Strength Properties of Self compacting Geopolymer concrete Using manufactured Sand”, International journal of Chemtech Research, ), Volume: 08, No.7, pp 183-190.
  26. C.Sashidhar, J.Guru Jawahar, c.Neelima, D.Pavan Kumar (2015), “Preliminary studies on self compacting Geopolymer concrete using manufactured sand”, Asian Journal of Civil Engineering (BHRC), Volume: 17, No.3, pp 277-288.
  27. B.Naga Kiran, Dr.N.Kumara Swamy and Dr.C.Sashidhar C, (2015), “Analysis of Accidents on National Highway-18 passing through Kurnool district, Andhra Pradesh (During construction phase)”, *International Journal of Applied Engineering Research*, ISSN 0973-4562, Vol. 10, No. 20, pp. 41307-41316.[SCOPUS]
  28. G.Narasimhulu, C.Sashidhar, G.Reddy Babu and B.Madhusudhana Reddy, “Effect of Calcium Sulphate on Durability parameters of Fly ash Blended Cement”, International Journal of Engineering Trends and Technology (IJETT) – Volume 33, Number 6, March 2016, Page 300-306.
  29. G.Narasimhulu, C.Sashidhar, G.Reddy Babu and B.Madhusudhana Reddy, “Effect on Strength Parameters of Double Mixed Sulphate on Fly Ash Blended Cement Mortar”, International Research Journal of Engineering and Technology (IRJET), Volume:03 Issue:03, Mar-2016, Impact Factor value:4.45, ISO 9001:2008 Certified Journal, Page 1231-1237
  30. Subba Reddy Singam, Sashidhar Chundupalli: “An Experimental Study of Split Tensile Strength on Black Stone Marble Waste Aggregate Concrete”, International Journal of Engineering, Science and Mathematics, Issue-7, Vol. 6 Issue 3, July 2017,
  31. Subba Reddy Singam, Sashidhar Chundupalli: “A Study of Compressive Strength on Black Stone Marble Waste Aggregate Concrete”, International Journal of Emerging Trends in Engineering and Development, Issue-7, Vol.3, May-2017

32. Subba Reddy Singam, Sashidhar Chundupalli: "Behavior of Black Stone Marble Waste Aggregate Steel Concrete Beams Under Impact Loading" International Journal of Advanced Scientific and Technical Research Issue 7 volume 3 May-June 2017.
33. G. Lalitha, Dr. C. Sasidhar, Dr. C. Ramachandrudu "A Review Paper On Strength And Durability Studies On Concrete Fine Aggregate Replaced With Recycled Crushed Glass" in International Journal of Civil Engineering and Technology (IJCET), Volume 8, Issue 2, February 2017.
34. B.Naga Kiran, Dr.N.Kumara Swamy, Dr.C.Sashidhar,(2017) "Prediction of Road Accident Modeling For Indian National Highways". International Journal of civil Engineering and Technology. Volume 8,Issue 1
35. Bangaram Naga Kiran ,Nekkanti Kumaraswamy ,Chundupalli Sashidhar, 2017.A Review of Road Crash Prediction Models for Developed Countries. American Journal of Traffic and Transportation Engineering. 2017;2(2):pp.10-25.Published: July 13, 2017. [DOI-10.11648/j.ajtte.20170202.11] (SCOPUS)
36. B.Naga Kiran, Dr.N.Kumara Swamy, Dr.C.Sashidhar,(2018) "Drivers' Opinion on Road Safety for Indian National Highway 40 passing through Kurnool district, Andhra Pradesh—A Questionnaire Study" International Journal of civil Engineering and Technology, Volume 9,Issue 6, June 2018,PP 137-151.
- 37.** Sreenivasulu Chitrula, Guru Jawahar Jadaprolu, Sashidhar Chundupalli. Study and predicting the stress-strain characteristics of geopolymers concrete under compression. Case Studies in Construction Materials, 2018, 8, pp 172-192. ISSN 2214-5095.
38. C. Sreenivasulu, J. Guru Jawahar, C. Sashidhar. Predicting compressive strength of geopolymers concrete using NDT techniques. Asian Journal of Civil Engineering, Springer, 2018, 19(4), pp 513-525.
39. A.Ravi Teja , Dr.T.Chandra Sekhara Reddy, Dr.C.Sashidhar, "Self – Healing Concrete with Crystalline Admixture – A Review", Journal of Wuhan University of Technology – Mater. Sci. Ed. Wuhan University of Technology and Springer – Verlag Gmb H Germany 2019, pp 1143 – 1154.

40. Bode Venkata Kavyateja, J.Guru Jawahar, C. Sashidhar, "Investigation on Ternary Blended Self Compacting Concrete using fly ash and Alccofine", International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-7, Issue-6S, March 2019.
41. C.Sreenivasulu, J.Guru Jawahar and C.Sashidhar "Effect of Copper Stage on Micro, Macro, and Flexural Characteristics of Geopolymer Concrete", ASCE Journal of Materials in Civil Engineering, 32{5}2020 pp 04020086 – 1to 12.
42. C.Yedukondalu, C.Sashidhar, "Mechanical Properties of Self Compacting Geopolymer Concrete at Elevated Temperature", International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES), Volume 5, Issue 06, June- 2019, pp 56-60.
43. C.Sashidhar, C.Yedukondalu, "Quality Assessment of SCGPC using Ultra – Sonic Pulse Velocity at High Temperature", International Journal of Innovative technology and Exploring Engineering (IJITEE) ISSN: pp 2278-3075, Volume - 8 Issue-12, October 2019.
44. Lalitha G, Sashidhar. C, Ramachandrudu C, "Durability Performance of Concrete (M-60)Fine Aggregate Partially Replaced With Crushed Waste Glass", International Journal of Advanced Research in Engineering and Technology (IJARET), Volume 11, Issue 2, February 2020, pp 1-9, Article ID : IJARET\_11\_02\_001.
45. G.Lalitha, C.Ramachandrudu, and Ch. Sashidhar, "Strength and Durability Studies of Cement Concrete M45 Fine Aggregate partially Replaced with Waste Crushed Glass", Springer, Emerging and Trends Civil engineering, Lecture notes in Civil Engineering 61, pp 131 -144.
46. S. Nirmala, C. Sashidhar, Veera Sudarshan Reddy, Self-Compacting Concrete with Recycled Coarse Aggregate and Manufactured Sand, International Journal of Innovative Technology and Exploring Engineering (IJITEE) , Volume-9 Issue-1, pp 3868 – 3873. November, 2019.
47. S.Nirmala, C.Sashidhar and Veera Sudershana Reddy "Strength Properties of Self – Compacting Concrete Prepared with Recycled Coarse Aggregate and Manufactured Sand", IJCAR International Journal of Current Advanced Research, Volume 9, Issue 02 (B), February 2020, pp 21231-21236.

48. S. Nirmala, C. Sashidhar, Veera Sudarshan Reddy, Flexural Strength of SCC with Recycled Coarse Aggregate and Manufactured Sand, International Journal of Recent Scientific Research, Volume. 11, Issue, 02 (E), pp. 37560- 37563, February, 2020.
49. Bode Venkata Kavyateja, J.Guru Jawahar, C. Sashidhar, “Effect of alccofine and fly ash on analytical methodsof self-compacting concrete”, Innovative Infrastructure Solutions, Spring nature, Switerzland, June, (2020) , pp 1-11.
50. Bode Venkata Kavyateja, J.Guru Jawahar, C. Sashidhar, “Durability Performance of Self Compacting Concrete Incorporating Alccofine and FlyAsh”, IJE TRANSACTIONS B: Applications, Electronic Print ISSN: 1728-144X (2020) , pp 1522-1528.
51. Hemalatha Guda and Dr C.Sashidhar, “ Effect of Macro Synthetic Fibres on Fresh Properties and Strength of Self – Compacting Concrete”, Journal of Interdisciplinary Cycle Research, Vol XIII, Issue XII, Dec 2021, pp1149 - 1163
52. Asudullah Khana, AshwinRauth, RamaChandrudu, C.Sashidhar, “Design and development of sustainable geopolymer using industrial copper by product”, Elsevier - Journal of Cleaner Production, Volume 278, 1 January 2021, 123565 pp 1-11.
53. Hemalatha Guda and Dr C.Sashidhar, “An Experimental Study on the Effect of Macro-Synthetic Fibers on the Impact Resistance of Self-Compacting Concrete Two-Way Slabs”, International Journal of Advanced in Management, Technology and Engineering Sciences, ISSN NO: 2249-7455, Volume XII, Issue IV, April 2022, pp 26-39.
54. Hemalatha Guda and Dr C.Sashidhar, “Automation of Mix Design of Self-Compacting Concrete as per IS 10262:2019”, Journal of Interdisciplinary Cycle Research, Vol XIV, Issue V, May 2022, pp1159 – 1167.
55. A.Raviteja, T.ChandraSekhara Reddy, C.Sashidhar, “Improvising the Self Healing Capabilities of Concrete Using Different Pozzolanic Materials and Crystalline Admixtures”, Journal of Wuhan University of Technology- Mater Sci,Ed, June 2022, pp 1-11.
56. Raviteja.A, Srinivasula Reddy.M, Jindal B.B, Sashidhar.C, “ Document Details – Predicting The Strength Properties of Self Healing Concrete using Artificial

Neural Network ( Article)", Journal of Soft Computing in Civil Engineering, Vol 7, Issue 1, Jan 2023, pp 56-71.

### **National Journals:**

1. C.Sashidhar, H.Sudarshana Rao, N.V.Ramana and K.Gnaneswar,(2010), "Compression and Tension Behaviour of SIFCON Produced with Low Tensile strength Steel Fibre", The Indian Concrete Journal, pp. 31-36.
2. V.Venkateswar Reddy, N.V.Ramana, K.Gnaneswar and C.Sashidhar,(2011), "Effect of Magnesium Chloride( $MgCl_2$ ) on Ordinary Portland Cement Concrete", Indian Journal of Science and Technology, pp. 643-645.
3. C.Sashidhar, H.Sudarshana Rao, K.Gnaneswar rao and N.V.Ramana,(2011), "Flexural Behaviour of SIFCON Produced with Low Tensile Strength Steel Fibre", The Indian Concrete Journal, pp. 37-42.
4. P.Ramachandra and C.Sashidhar (2011) "Behaviour of SIFCON (with Mixed aspect ratio) in compression and tension – An experimental investigation, " Technology Spectrum, JNTU Hyderabad, Vol 5, No.2, pp.1-13.
5. N.Amitha and C.Sashidhar (2012) "Improper casting sequence, effect of Improper casting sequence on compressive strength "The Indian Concrete Journal,, Vol 86, N10, pp. 30-41

### **National conferences:**

1. Dr. V.B.Desai, C.Sashidhar and N.V.Ramana,(2001), "Repairing Reinforced Concrete Columns Using Ferrocement", National Workshop on Rehabilitation/Retrofitting of Buildings, pp. 97-103
2. C.Sashidhar, B.Ramesh Babu and N.V.Ramana,(2001), "Strength Properties of Super Plasticised Silicafume Concrete", National Seminar on Concrete Technology for 21<sup>st</sup> Century, pp. 132-138
3. H.Sudarshana Rao, T.Raghunath Reddy and C.Sashidhar, (2004), "Strength Properties of Metakaolin Concrete", National Conference on Materials and Structures, pp. 86-89

4. C.Sashidhar,H.Sudarshana Rao, N.V.Ramana and Vaishali G.Ghorpade(2004), “Studies on Strength Properties of Slurry Infiltrated Fibrous Concrete(SIFCON)”, National Conference on Recent Advances in Structural Engineering
5. H.Sudarshana Rao, T.Raghunath Reddy and C.Sashidhar “Effect of super plasticizer on durability of high strength concrete”, National workshop on Advances in structural Engineering at S.V.University Tirupathi Pg 137 -143.
6. H.Sudarshana Rao, and C.Sashidhar “Studies on the strength and workability properties of condensed silica fume concrete”, National workshop on Advances in structural Engineering at S.V.University Tirupathi. Pg 144 -149
7. H.Sudarshana Rao, and C.Sashidhar “Strength properties of metakaolin concrete”, National conference on materials and structures at N.I.T Warangal 23-24 Jan 2004, Pg 86 – 89.
8. C.Sashidhar, Dr.H.Sudarshana Rao, N.V.Ramana and Vaishali G.Ghorpade(2004), “Experimental Investigation of the Behaviour of Matakaolin Concrete”, National Conference on Recent Advances in Structural Engineering,pp. 326-333
9. C.Sashidhar, Dr.H.Sudarshana Rao, N.V.Ramana and Vaishali G.Ghorpade(2006), “Development of Regression Model for Compressive Strength of Slurry Infiltrated Fibrous Concrete(SIFCON),pp. 273-276
10. C.Sashidhar, Dr.H.Sudarshana Rao, N.V.Ramana, K.Gnaneswar and B.Madhusudarshan Reddy(2008), “Flexural Behaviour of Simply Supported Steel Reinforced SIFCON Two Way Slabs”, National Conference on Recent Advances in Structural Engineering, pp. 313-320.
11. C.Sashidhar, J.Guru Jawahar, I.V.Ramana Reddy, D.Pavan Kumar (2013) “Optimization of Coarse Aggregate Blending in self Compacting Concrete”, Nat. Conf. on Sustainable construction materials and technologies (SCMAT), NIT, Warangal.
12. Amitha N.R. and C. Sashidhar, “Effect of Sugar on Stained Concrete”, National Conference on Advaces & Trends in Civil Engineering, Indian Concrete Institute, 2017.

**International Conferences:**

1. C.Sashidhar, H.Sudarshana Rao and N.V.Ramana(2004), “Strength Characteristics of Fibre –Reinforced Concrete with Metakaolin”,ICFRC International Conference on Fibre Composites, High Performance Concretes and Smart materials, pp. 247-256
2. C.Sashidhar, H.Sudarshana Rao, N.V.Ramana and Vaishali G.Ghorpade(2005), “Studies on SIFCON Subjected to Elevated Temperature”, International Conference on Recent Advances in Concrete and Construction Technology, pp.567-576
3. C.Sashidhar (2007), “Shear Strength Characteristics of SIFCON”, at First International Conference on Recent Advances in Concrete Technology at Washington U.S.A 19 -21 September pp 704-711.
4. C.Sashidhar, H.Sudarshana Rao and Vaishali G.Ghorpade (2008) “Effect of Polypropylene Fibre Reinforced Concrete with Metakaolin as Admixture at Elevated Temperature”, International Conference on Innovative and smart structural systems for Sustainable Habitat Coimbatore Institute of Technology at Coimbatore 3-5 Jan 2008.
5. C.Sashidhar, Dr.H.Sudarshana Rao, N.V.Ramana and Vaishali G.Ghorpade(2008), “Strength Characteristics of High Performance Concrete Using Polypropylene Fibres”, International Conference on Advances in Concrete and Construction, pp. 47-55
6. C.Sashidhar, Dr.H.Sudarshana Rao and Vaishali G.Ghorpade (2007), Production and Evaluation of High Performance Concrete with Silica fume Admixture in International Conference on “Recent Developments in Structural Engineering (RDSE-2007) at Manipal Institute of Technology Manipal.
7. C.Sashidhar, H.Sudarshana Rao, N.V.Ramana and Vaishali G.Ghorpade(2008), “Behaviour of Slurry Infiltrated Fibrous Concrete with Metakaolin”, Seventh International RILEM symposium, BEFIB, pp. 587-593
8. C.Sashidhar and H.Sudarshana Rao (2010), An Experimental Investigation on Glass Fibre Reinforced High Performance Concrete with Metakaolin as Admixture, 3<sup>rd</sup> Fib International Conference, at Washington D.C, 29 May to 2 June 2010.

9. Mourougane, C.G.Puttappa, C.Sashidhar, K.U.Muthu (2010) “Production and Material Properties of High Strength Geopolymer Concrete” – International Conference on Advances in Materials and Techniques in Civil Engineering (ICAMAT – 2010) Pg 201 - 205.
10. C.Sashidhar, H.Sudarshana Rao, C.Venkata Reddy and G.Sashidhar Reddy (2011), “Production and Evaluation of High Performance Concrete” in 9<sup>th</sup> Symposium on High Performance Concrete held from 9<sup>th</sup> Aug to 12<sup>th</sup> Aug 2011 at Rotura, New Zealand.
11. C.Sashidhar(2010), “ Durability studies on Concrete with Wood Ash Additive” in 35<sup>th</sup> Conference on Our World in Concrete and Structures from 25<sup>th</sup> Aug to 27<sup>th</sup> Aug 2010 at Singapore.
12. C.Sashidhar and N.V.Ramana (2012), “Punching Shear Behavior of Recycle Aggregate Concrete Slabs (Two opposite edges fixed and other two simply supported)” in Third international conference on construction in developing countries (ICCIDC – III)“Advanced Civil, Architectural and construction Engineering & Management” July 4-6, 2012 Bangkok, Thailand
13. C. Sashidhar, J. Guru Jawahar I. V. Ramana Reddy and N.V.Ramana (2013), Systematic Procedure for Self Compaction Concrete Mix Design” at Fifth North American Conference on the Design and Use of Self Consolidating Concrete held on May 12–15, 2013 at Chicago, US
14. C.Sashidhar, N.V.Ramana and D. Pavan Kumar(2012), “Strength Monitoring Of Concrete Structures by Using Non-Destructive Testing”, Concrete Repair, Rehabilitation and RetrofittingIII, pp. 667-670.
15. C.Sashidhar , J. Guru Jawahar and N.V.Ramana(2013) “Drying shrinkage based fly ash blended Self Compacting Concrete Mix Design “7<sup>th</sup> International Conference on Self Compacting Concrete and / or the 1<sup>st</sup> Conference on Rheology and Processing of Construction Materials” held on 2<sup>nd</sup> Sept to 4<sup>th</sup> Sept 2013 at Paris, France
16. C.Sashidhar , N.V.Ramana (2014) “An Experimental Investigation on usage of Stone Waste Aggregate in Concrete”, 3<sup>rd</sup> All-Russia (International) Conference on Concrete and Reinforced Concrete, held on 12<sup>th</sup> March to 16<sup>th</sup> March 2014 at Moscow, Russia

17. Mourougane, C.Sashidhar, C.G.Puttappa, K.U.Muthu (2015), An Experimental Investigation on the Behaviour of High Strength Restrained one Way GPC/TVC Slabs, 2<sup>nd</sup> R.N. Raikar International Conference and Banthia- Basheer International Symposium on Advances in Science and Technology of Concrete, 18-19 December 2015, Mumbai, India
18. C. Sreenivasulu, J. Guru Jawahar, C. Sashidhar. "Flexural studies on reinforced geopolymer concrete beams under pure bending" 3<sup>rd</sup> R.N. Raikar International Conference, ICACI, Mumbai.
19. Amitha N.R. and C. Sashidhar, "A Study on Effect of Different Percentages of Sugar on Setting Time of Cement", Second International Conference on Recent Trends in Engineering, Technology, Polur, Tamil Nadu, India, 2015, 52-54.
20. Y. Venkata Subbareddy, N. Venkata Ramana and C. Sashidhar, "Performance of Steel Fiber Reinforced Recycle Aggregate Concrete Beams under Impact Loading" 15th International Conference on Engineering, Science and Technology (ICEST'2017) August 12-14, 2017 at Batam (Indonesia).
21. C. Sashidhar, S.Nirmala, Veera Sudarshan Reddy, "Effect of Temperature on SCC produced with recycled coarse aggregate and manufactured sand", 4<sup>th</sup> International Conference on New Horizons in Science, Engineering and Management and Humanities, Dept of Civil Engineering, IIMT College of Engineering, Greater Noida on 27th March 2020 pp 66-72.(Online).
22. C. Sashidhar, B.J.Guru Jawhar, "Structural Behaviour of Reinforced Self Compacting Concrete Incorporating Alccofine and Fly ash", "International Conference on Building Materials and Construction Technologies (BMCT 2021) which is going to be held during April 06-08, 2021 Dubai, UAE(Online).
23. Chundupalle Sashidhar;Sera Nirmala; Veera Sudarsana Reddy; Nelluri Venkata Ramana, "Strength and Durability Properties of Self Compacting Concrete with Recycled Aggregate and Manufactured Sand", fib International Conference on Concrete Sustainability, Prague, Czech Republic, 8-10 September 2021 (Online).

