

## Faculty profile of Dr.V. Srinivasa Reddy



**Dr.V. Srinivasa Reddy, Professor**

Dr. V Srinivasa Reddy, Professor of Civil Engineering, has received his Ph.D. from JNTU Hyderabad, Telangana. He has over 10 years of Industry and 11 years of teaching experience. He is actively involved in research activities from 11 years. He is university topper in Master of Technology (M.Tech) Structural Engineering from Jawaharlal Nehru Technological University (J.N.T.U), Hyderabad. Additionally he has Post graduate Diploma in Management.

He has joined GRIET as Associate Professor and previously he worked for JNTUH College of Engineering Hyderabad for 5 years. He worked for JNTUH College of Engineering (Manthani) as Visiting Lecturer (on deputation). His career interests are to be involved extensively in Teaching and Research Activities relevant to Industry and Society. He is associated with various professional bodies such as Institute of Engineers (India), Indian Society for Technical Education, Indian Concrete Institute, Universal Association of Civil, Structural And Environmental Engineers, American Concrete Institute, The Institution of Civil Engineers (India) and Indian Association of Structural Engineers.

He is Chartered Engineer (C Eng) for Institution of Engineers (India). He is member of National Advisory Committee & Editorial Board Member for International Journal of Scientific Review and Research in Engineering and Technology. His research interests are Concrete technology, Special concretes, Rehabilitation and Retrofitting of structures, Civil Engineering Software applications. He teaches Theory of Elasticity and Plasticity, Advanced Solid Mechanics and Structural Dynamics at Post graduate level and Advanced Structural analysis and Construction technology at graduate level. He has nearly 130 national and international publications.

He was presented twice the IEI Best Technical Paper award from Civil Engineering Division of Institution of Engineers (India) A P State Centre presented during Technical session of the 2ndth Annual General Meeting 2016 and 77th Annual General Meeting 2015. He has nearly 10 invited lecture talks at various engineering colleges and National Academy of Construction Hyderabad. He authored Chapter No. 13 titled 'BACTERIAL CONCRETE: A SUSTAINABLE SELF-HEALING BIO-CONSTRUCTION MATERIAL', in book titled "Engineering and Technology: Recent Innovations and Research" with ISBN: 978-93-86138-06-4 published by International Research Publication House (IRPH0, New Delhi, India (2016), pp.241-266 and Chapter No. 08

titled 'SPECIAL CONCRETES FOR SUSTAINABLE CONSTRUCTION', in book titled "Engineering and Technology: Latest Progress" (2017) with ISBN: 978-93-80233-03-1 published by Meta Research Press (MRP), New Delhi, India (2017), pp. 341-369.. He is an Editor for Proceedings of National Conference on RECENT INNOVATIONS IN CIVIL ENGINEERING (2017) with ISBN: 978-93-5279-269-6.

He has guided nearly 15 B.Tech scholars, 16 M.Tech scholars and 1 Ph.D. Scholar and guiding 3 Ph.D. scholars. He is actively involved in consultancy projects executed by the department. He has research projects worth of nearly 20 lakhs.

### **Contact:**

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### **Curriculum Vitae**

#### **Education Details:**

- PhD in Civil Engineering from J.N.T.U Hyderabad. (Jun 2015)
- P.G. Diploma in Management (ADIM) IGNOU (Dec 2012)
- Master of Technology (M.Tech) in Structural Engineering from Jawaharlal Nehru Technological University (J.N.T.U), Hyderabad (2002)(80 %) (Topped my batch).
- Bachelor of Technology (B.Tech) in Civil Engineering from Acharya Nagarjuna University (1996) (67%).
- Intermediate (M.P.C) from Dr L.B.College, Visakhapatnam (1991) (64.2%).
- Matriculation from Andhra University (1989) (63%).

#### **Experience & Other Academic Contributions:**

- Teaching Experience – 11yrs
- Research Experience- 10 yrs
- Industry Experience - 10yrs
- Presently working as Professor in GRIET Hyderabad (Feb 2016- till date)
- Worked as Associate Professor in GRIET Hyderabad (July 2013- Feb 2016)
- Worked as a Lecturer( adhoc) in JNTUH College of Engineering Hyderabad (Sep '09- June '13)
- Worked as Visiting Lecturer (on deputation) in JNTUH College of Engineering (Manthani) in 2012 (two semesters)
- June 2002 – Aug 2009: Worked as J2ee Project Coordinator and Software Trainer for CNSI, Maine, USA in executing Maine State Health Insurance system.
- Jan 1999 - May 2002: Worked for CYBEX Info systems, Ranklin India Ltd, Gemini Systems Inc. as Software Engineer.

**Major Career Interests:**

To be involved extensively in Teaching, Consultancy and Research activities relevant to Industry and Society.

**Association with Professional Bodies**

- Life Member of Institute of Engineers (India) (MIE)M -146335-1
- Life Member of Indian Society for Technical Education (MISTE) LM 89941
- Life Member of Indian Concrete Institute (MICI) LM 10078
- Member of Universal Association of Civil, Structural And Environmental Engineers (UACSE) AM1005345
- Life member of American Concrete Institute (ACI) India Chapter (MACI)(LM.14.39)
- Institution of Engineers (India) - Chartered Engineer (C Eng)
- Indian Concrete Institute (ICI) Hyderabad Centre- Executive Council member from Sep 2015 2016
- National Advisory Committee & Editorial Board Member of International Journal of Scientific Review and Research in Engineering and Technology
- Guest faculty for JNTUH College of Engineering and B.Tech (Integrated) and M.Tech. Structural Engineering (part-time)

**Research Interests:**

Concrete technology, Special concretes, Rehabilitation and Retrofitting of structures, Civil Engineering Software applications.

**Subjects Taught**

B Tech	M Tech
Engineering /Applied Mechanics	Structural Stability
Computer Programming and Data Structures	Advanced Construction Management
Design of Steel Structures	Shells and Folded Plates
Construction Management	Finite Element Methods
Mechanics of Solids / Strength of Materials-1	Earthquake Resistant Design of Buildings
AutoCAD 2010	Advanced Concrete Technology
Structural Analysis-1	Theory of Elasticity and Plasticity
Concrete Technology	Structural Dynamics
Advanced Structural Analysis	Bridge Engineering
Rehabilitation and retrofitting of structures	

**Journal Publications/Conference Proceedings:**

International Journals	35
National Journals	08
International Conferences	34
National Conferences	45
<b>Total =</b>	<b>122</b>

## **ACHIEVEMENTS AND AWARDS**

- Presented IEI Best Technical Paper award on Oct 31 2016 from Civil Engineering Division of Institution of Engineers (India) A P State Centre presented during Technical session of the 2ndth Annual General Meeting.
- IEI Best Technical Paper award from Civil Engineering Division of Institution of Engineers (India) A P State Centre during Technical session of the 77th Annual General Meeting 2015. Award presented on Oct 26 during 78th Annual General Meeting 2015.
- University topper in M. Tech (Structural Engineering) JNTU Hyderabad.
- Received State Bank of India Scholarship throughout B.Tech and M.Tech.

## **INVITED LECTURES**

1. Delivered lecture on “Self-healing Concrete” on Jan 20<sup>th</sup> 2018 in Faculty Development Program on “Glimpses of World class innovations in the realm of civil engineering” organized by civil engineering department of Ashoka Institute of Engineering and Technology.
2. Delivered Lecture On ‘Precast and Pre-engineered Structures’ at GVP College of Engineering Visakhapatnam held on March 03,2017
3. Delivered lecture as resource person on “Bacterial Concrete: A sustainable self-healing bio-construction material” in one day national workshop on “Sustainable Technologies in Civil Engineering: Perspectives and Strategies” on Dec 21<sup>st</sup> 2016 at Department of Civil Engineering, GRIET Hyderabad.
4. Delivered Lecture On ‘Rehabilitation, Retrofitting and Repairs’ at J.B.Institute of Engineering and Technology held on March 30 2016
5. Delivered Lecture On ‘Mix Designs of Special Concretes ’ at Bhaskara College of Engineering held on August 10, 2015
6. Delivered Lecture On Sustainable Self Healing Materials at National Work Shop On “Recent Advances In Concrete Technology” (RACT 2013) VNRVJIET (23<sup>rd</sup> – 24<sup>th</sup> May 2013)
7. Delivered lecture on "Basics on Self Compacting Concrete and its Properties" on 19.11.2018 for the duration of 3 hours i.e from 10:00 to 13:00 hrs at NAC, Hyderabad.
8. Resourse Person during the AICTE Sponsored 6 Days Short Term Training Program STTP Phase-1 on Advance Construction Technics in Low Cost Civil Structures For Modern living From 5th to 10th November 2020, Organized by Department Of Civil Engineering, KKR & KSR Institute Of Technology & Sciences, Guntur.

## **BOOKS /CHAPTERS**

1. Chapter No. 13 titled ‘BACTERIAL CONCRETE: A SUSTAINABLE SELF-HEALING BIO-CONSTRUCTION MATERIAL’, in book titled “Engineering and Technology: Recent Innovations and Research” with ISBN: 978-93-86138-06-4 published by International Research Publication House (IRPH0, New Delhi, India (2016), pp.241-266
2. Chapter No. 08 titled ‘SPECIAL CONCRETES FOR SUSTAINABLE CONSTRUCTION’, in book titled “Engineering and Technology: Latest Progress” (2017) with ISBN: 978-93-80233-03-1 published by Meta Research Press (MRP), New Delhi, India (2017),pp. 341-369.

3. The book chapter titled "REACTIVE POWDER CONCRETE: PROPERTIES AND APPLICATIONS" has been accepted for publication in edited book title "Advances in Civil Engineering (Volume - 2)", AkiNik Publications, New Delhi, India ISBN: 978-93-5335-311-7. PP. 1-26
4. Editor , Proceedings of National Conference on RECENT INNOVATIONS IN CIVIL ENGINEERING, published by Guru Calixto Publications, India (Dec 2017) with ISBN: 978-93-5279-269-6
5. Editor , Proceedings of National Conference on RECENT INNOVATIONS IN CIVIL ENGINEERING MATERIALS, published by Guru Calixto Publications, India (August 2019) with ISBN: 978-93-5361-946-6
6. Editor , Proceedings of International Conference on CIVIL ENGINEERING ASPECTS FOR SUSTAINABILITY (ICONCES 2020), published by Excel India Publishers, India (Feb 2020) with ISBN: 978-93-89947-04-5

#### **PROFESSIONAL PROGRAMS ATTENDED:**

1. Short Term Course on “Advances in Concrete Technology” scheduled from 22-11-2010 to 27-11-2010 at UGC Academic Staff College, JNTU Hyderabad, Kukatpally, Hyderabad
2. One day faculty development program on “Quality Education” at TRR College of Engineering (TRRCE), Inole (V), Patancheru, Hyderabad on 07-12-2010.
3. Short Term Course on “Effective Communication and Soft Skills for Academicians” scheduled from 17-01-2011 to 22-01-2011 at UGC Academic Staff College, JNTU Hyderabad, Kukatpally, Hyderabad
4. Four-week “19<sup>th</sup> Orientation Course” from 28-02-2011 to 30-03-2011 at UGC Academic Staff College, JNTU Hyderabad, Kukatpally, Hyderabad.
5. Symposium on Geotechnical Applications-2011 -JNTUH College of Engineering- Apr 15<sup>th</sup> 2011
6. One week program on “Research Methodology” JNTUH Research and Development Cell from 06-06-2011 to 11-06-2011
7. Symposium on Geo-Practices 2011 - IGS Hyderabad Chapter -JNTUH College of Engineering Hyderabad-Nov 5<sup>th</sup> 2011
8. Three day workshop on “Seismic Resistant Design of Buildings and Water Tanks “during January 18– 20 2012 CSC World (India) (P) Ltd and JNTU College of Engineering, Hyderabad.
9. AICTE sponsored Staff Development Programme on “Recent Advances in Concrete & Construction (RACC-12)”- 30<sup>th</sup> April – 12<sup>th</sup> May 10, 2012. VNRVJIET Hyderabad.
10. Symposium on Geo-Practices 2012 - IGS Hyderabad Chapter -JNTUH College of Engineering - Nov 10<sup>th</sup> 2012
11. Two day National Workshop on “ Recent Trends in Concrete and Construction Technology”-GRIET-27-28<sup>th</sup> Feb 2013
12. Symposium on Geo-Applications- 2013- IGS Hyderabad Chapter- IIIT Hyderabad on 16<sup>th</sup> March 2013.

13. International Conference on Innovations in Concrete for meeting Infrastructure challenge (ICI-IWC 2013) Indian Concrete Institute AP Hyderabad Centre Oct 23-26, 2013 Hyderabad
14. Two day national workshop on “Sustainable Technologies in Civil Engineering: Perspectives and Strategies” (STEPS-2013) on 27-28 December 2013 at Gokaraju Rangaraju Institute of Engineering and Technology Hyderabad.
15. Two day national workshop on “Sustainable Technologies in Civil Engineering: Perspectives and Strategies” (STEPS-2014) on 16-17 December 2013 at Gokaraju Rangaraju Institute of Engineering and Technology Hyderabad.
16. TEQIP sponsored Winter-School on “Recent Advances in Structural Engineering and Materials” RAISE-2015, organized by department of civil engineering IIT Hyderabad on January 14<sup>th</sup> and 15<sup>th</sup>2015.
17. TWO - WEEK ISTE Short Term Training Programme (STTP) on “Pedagogy for Effective use of ICT in Engineering Education” under the National Mission on Education through ICT (MHRD, Govt. Of India) from 05 to 31 January 2015, conducted by IIT Bombay at Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.
18. Concrete Construction Technology Summit-2015 organized by World of Concrete India and Indian Concrete Institute on March 02-04 2015 at HITEX Exhibition Centre, Hyderabad.
19. Faculty Development Programme in Entrepreneurship at GRIET from 26-03-2015 to 08-04-2015, organized by Centre for entrepreneurship development (CED), Hyderabad supported by Entrepreneurship Development Institute of India(EDII) Ahmadabad, sponsored by National Science and Technology Entrepreneurship Development Board (Ministry of Science & Technology, Government of India)
20. TWO - WEEK ISTE Short Term Training Programme (STTP) on Environmental Science under the National Mission on Education through ICT (MHRD, Govt. Of India) June 2nd, 2015 to June 12th, 2015, Conducted by IIT Bombay.
21. NPTEL Online Certification Course on Modern Construction Materials , IIT Madras from July to Nov 2015
22. 15<sup>th</sup> Management Capacity Enhancement Training Programme at IIM Indore from 5<sup>th</sup> to 11<sup>th</sup> October, 2015.
23. TWO - WEEK ISTE Short Term Training Programme (STTP) on Introduction to Structural Engineering under the National Mission on Education through ICT (MHRD, Govt. Of India) 30<sup>th</sup> Nov 2015 to 9<sup>th</sup> January 2016 Conducted by IIT Kharagpur.
24. NPTEL Online Certification Course on Project Planning & Control, IIT Madras from Jan to Mar 2016
25. E-learning course on ‘Fundamentals of Concrete’ by ICI and Ultratech Cement during Dec 2015.
26. NPTEL Online Certification Course on Experimental Stress Analysis, IIT Madras from Jan to Mar 2016
27. NPTEL Online Certification Course on Concrete Technology, IIT Madras from Aug to Oct 2016

28. IITBombay X 'Technical Communication for Scientists and engineers' under the National Mission on Education through ICT (MHRD, Govt. Of India) from Aug-Sep 2016, conducted by IIT Bombay
29. Certificate of Appreciation from Maplesoft for completing Maplesoft Product Overview -Level 1 with Maplesoft and Binary Semantics in June 2017.
30. Participated in Faculty Development programme on MATLAB Application in Civil Engineering (Sponsored by TEQIP Phase II) from 27 Feb to 03 Mar 2017 at GRIET Hyderabad.
31. Three day training on MIDAS Civil Software on 20-22 July 2017 at Department of Civil Engineering, GRIET Hyderabad.
32. Letter of Appreciation from Principal GRIET (June 2017) for conducting GRIET MOODLE course successfully during 2017-17 AY II SEM
33. NPTEL Online Certification Course on Design of Reinforced Concrete Structures, Funded by the ministry of HRD, Govt. of India, IIT Kharagpur from Jul-Oct 2017 ( 12 week course)
34. Attended the Two day Research Workshop at IIIT Hyderabad on 26-27 August 2017
35. AICTE approved Faculty Development Programme (FDP101x) on Foundation Program in ICT for Education conducted by IIT Bombay from August 3<sup>rd</sup> to September 7<sup>th</sup> 2017.
36. AICTE approved Faculty Development Programme (FDP201x) on "Pedagogy for online and blended teaching – learning process" conducted by IIT Bombay from September 14<sup>th</sup> to October 12<sup>th</sup> 2017.
37. Participated in Two Day workshop on "Modern Developments in Concrete and Building Technology" organized by Department of Civil Engineering, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, Telangana, February 2-3<sup>rd</sup> 2018.
38. NPTEL Online Certification Course on "Research Writing", Funded by the ministry of HRD, Govt. of India, IIT Kharagpur from Feb-Mar 2018 ( 4 week course)( 72% Elite)
39. One day workshop Under 'Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT)', MHRD, Govt. of India on Moodle Learning Management System 15 March 2019 Conducted by the Teaching Learning Centre (ICT) at IIT Bombay. ( college and MHRD certificate)
40. NPTEL Online Certification Course on "Theory of Elasticity", Funded by the ministry of HRD, Govt. of India, IIT Kharagpur from July-Oct 2018 ( 12 week course) (90%) (Elite) ( 1.5 FDP)
41. NPTEL Online Certification Course on "Patent Law for Engineers and Scientists" , Funded by the ministry of HRD, Govt. of India, IIT Madras from Jan -Apr 2019 ( 12 week course) ( 1.5 FDP)(60%) (Elite)
42. NPTEL Online Certification Course on "Design of Steel Structures", Funded by the ministry of HRD, Govt. of India, IIT Kharagpur from July-Oct 2019 ( 12 week course) (69%) (Elite+ Gold medal) ( 1.5 FDP)
43. Short Term Training Programme through ICT mode on " Principles of RCC Design upto & beyond Limit states, Applications and Limitations of IS: 456-2000: organized

- by National Institute of Technical Teachers' Training and Research, Kolkata, MHRD, Govt. of India from Sep 16-20, 2019.
44. Online One Week FDP on "Computational Tools and Techniques: MATLAB, ANSYS" sponsored by Technical Education Quality Improvement Programme (TEQIP III) Jointly Organised by Government College of Engineering, Karad, MS and Rajkiya Engineering College, Azamgarh, UP During 27 th April to 1 st May, 2020.
  45. Online Industrial training on ANSYS software from 20/10/2020 to 3/11/2020 from The National Small Industries Corporation Ltd. (NSCI) Technical Services Centre.
  46. One week National Faculty Development Programme on Capacity Building In Drafting Proposals For Funded Research jointly organised by Teresian Research and Consultancy Cell (TRACC) and Guru Angad Dev Teaching Learning Centre of MHRD, Under the Scheme of Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNTT) from 5th to 11th October 2020.
  47. Attended e-Workshop on Writing Research Grant Proposal by Dr. Ajay Semalty held on Aug 13th, 2020, Pharmastate academy
  48. Online training on Structural Analysis and Design using E-TAB from 18/08/2020 to 01/09/2020 from The National Small Industries Corporation Ltd. (NSCI) Technical Services Centre.
  49. Mechanics of Materials IV: Deflections, Buckling, Combined Loading & Failure Theories an online non-credit course authorized by Georgia Institute of Technology and offered through Coursera 07/18/2020
  50. One Week Online Faculty Development Program on "Research Challenges and Opportunities Post COVID-19 (RECOP 2020)" organized by Research & Development Cell and Institution's Innovation Council of Sri Vasavi Engineering College (Autonomous) during 4-9 May 2020
  51. Digital Transformation In Teaching Learning Process (DTITLP) course organised by NPIU, and conducted by IIT Bombay on SWAYAM from Jan 17<sup>th</sup> to Feb 7<sup>th</sup> 2020.

## PH.D GUIDANCE

S.No.	Title of Dissertation	Name of Student	University	Staus
1.	Rehabilitation of Concrete with Bacteria	K Trimurthi Naidu 1203PH0513	JNTUH	Completed
2.	Characterization of structural behaviour of fibre reinforced concrete elements made with basalt fibre reinforced polymer (BFRP) rebars	E Giri Prasad Goud (183020007)	Koneru Lakshmaiah Education Foundation University (KLEF)	Ongoing
3.	Modelling of flexural behaviour and performance evaluation of Glass fibre reinforced Self-compacting Concrete	A Rama Krishna Rao (181PG03201)	Vignan's Foundation for Science, Technology & Research (VFSTR)	Ongoing



## INDUSTRIAL RESEARCH PROJECTS

S.No.	Name of the Agency	Name of the project/endowments, chairs	Name of the Principal Investigator	Department of Principal Investigator	Year of award	Funds Provided ( In Lacs)	Duration of the Project
1	Pachayat Raj, Kandukur, Andhra Pradesh	Rehabilitation of Concrete with Bacteria (Bacterial Concrete)	Dr.V Srinivasa Reddy	Civil Engineering	Nov 2017	2 Lacs	2 Years
2	LANCO Technology Park	Studies on the properties of nano-silica based self-compacting concrete	Dr.V Srinivasa Reddy	Civil Engineering	Dec 2017	2 Lacs	2 Years
3	NCC Ltd.	Characterization And Performance Evaluation Of Ultra-High Strength Steel Fibre Reinforced Reactive Powder Concrete For Structural Applications	Dr.V Srinivasa Reddy	Civil Engineering	Feb 2019	7.5 lacs	5 years
4	JNTUH TEQIP-III	Microbially Induced Calcite Precipitation For Crack Remediation In Concrete Structures	Dr.V Srinivasa Reddy	Civil Engineering	Aug 2019	2.99 lacs	1 year

## FUNDED RESEARCH PROJECT

S.No.	Name of the Agency	Name of the project/endowments, chairs	Investigator	Year of award	Funds Provided ( In Lacs)	Duration of the Project
1	JNTUH TEQIP-III	Microbially Induced Calcite Precipitation For Crack Remediation In Concrete Structures	Dr.V Srinivasa Reddy	Aug 2019	2.99 Lacs	1 Year

## CONSULTANCY WORKS

Year	Client Name	Amount (Rs.)	Work Description/ Research Project Title	Nature of the Work	Status
2019-20	Aakruthi Consultants	Rs. 10000	Concrete Mix Designs and Proof-Checking (NDT)	Consultancy	Completed

	Aakruthi Consultants	Rs. 5000	Concrete Core Testing	Consultancy	Completed
2018-19	SS Civil Construction Contractors	Rs.3000	Cube Testing	Consultancy	Completed
	R K Engineers	Rs.10,000	Concrete Mix Design	Consultancy	Completed
2015-16	Ganges Valley school, Bachupally Hyderabad	Rs.16,431	Badminton flooring, Ganges Valley school,	Consultancy	Completed

### Recognitions

1. Paper Reviewer for
  - ICJ – The Indian Concrete Journal
  - Techno Press -Computers and Concrete, An International Journal
  - Materials Today Proceedings - Elsevier
  - STRUCTURES- Elsevier
  - The Open Construction & Building Technology Journal
2. NPTEL Discipline Star
3. Co Convener Letters RICE 2017, RICEM 2018, ICONCES 2020
4. Guest faculty for JNTUH College of Engineering (part-time) M.Tech. Structural Engineering
5. External Examiner for JNTU Hyderabad, Malla Reddy Engg. College, JBIET,CVR College of Engineering for B.Tech and M.Tech.
6. BOS (Board of Studies) Member for JBIET
7. Staff Selection Commission Member for JNTU Hyderabad, Malla Reddy Hyderabad
8. Holding a Copy right of Structural Dynamics Lecture Notes
9. Acted as a Session chair at Second International conference on Design and Manufacturing aspects for Sustainable Energy (ICMED 2020) at GRIET Hyderabad during 10-12 July 2020.

## **LIST OF PAPER PUBLICATIONS**

### **JOURNALS:**

#### **❖ INTERNATIONAL:**

1. V Srinivasa Reddy, S Sunil Pratap Reddy, M V Seshagiri Rao, Ch sasikala, (2011). "Strength Enhancement Of Cement Mortar Using Microorganisms - An Experimental Study", International Journal of Earth Sciences and Engineering, Volume 04, N0 06,Spl October 2011,933-936,ISSN no: 0974-5904
2. V Srinivasa Reddy, Achytha Sathya K, M V Seshagiri Rao, Ch sasikala, (2012)."A biological approach to enhance strength and Durability in concrete structures", International Journal of Advances in Engineering & Technology, Vol. 4, Issue 2,392-399, ISSN: 2231-1963
3. Suvarna Latha K, M V Seshagiri Rao, V Srinivasa Reddy (2012). "Estimation of GGBS and HVFA Strength Efficiencies in Concrete with Age", International Journal of Engineering and Advanced Technology (IJEAT),Volume-2, Issue-2,221-225, ISSN: 2249 – 8958
4. V Srinivasa Reddy, Raja ratnam V, M V Seshagiri Rao, Chsasikala (2013), Mathematical Model for Predicting Stress Strain Behaviour of Bacterial Concrete", International Journal of Engineering Research and Development, Volume 5, Issue 11, 21-29,e-ISSN: 2278-067X, p-ISSN: 2278-800X
5. V Srinivasa Reddy, Jyothi Kumar K S, M V Seshagiri Rao, Ch sasikala (2013), "Studies on Permeability of Self-Healing Built-In Bacteria Concrete", International Journal of Recent Technology and Engineering (IJRTE), Volume-1, Issue-6, January 2013 119-125, ISSN: 2277-3878
6. V Srinivasa Reddy, Sreenivasa Rao D, M V Seshagiri Rao, Ch sasikala (2013), "Permeation Properties of Bacterial Concrete", IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) , March 2013 Issue ,08-16,ISSN: 2278-1864
7. V Srinivasa Reddy, Sreenivasa Rao D, M V Seshagiri Rao, Rahul K (2013), "Studies on Bacterial Concrete Exposed to Elevated Temperatures and Thermal Cycles", Engineering Science and Technology: An International Journal (ESTIJ), Vol. 3, No.1, 126-135, ISSN: 2250-3498
8. Suvarna Latha P, M V Seshagiri Rao, V Srinivasa Reddy (2013), "Feasibility Studies On Granulated Blast Furnace Slag As Cement And Sand Replacement", Engineering Sciences International Research Journal.
9. M V Seshagiri Rao, V Srinivasa Reddy, "Flexural Behavior Of Bacteria Incorporated Reinforced Concrete Beams", International Journal of Engineering Research And Management (IJERM), Volume-1, Issue-1, April 2014 pp 12-18.
10. M V Seshagiri Rao, V Srinivasa Reddy, V Chinni, "Studies on Pore Structure Characterization of Bacterial Concrete", International Journal of Engineering Research & Technology (IJERT), Vol. 3 Issue 11, November-2014, ISSN: 2278-0181,pp 564-570.
11. V Srinivasa Reddy, M V Seshagiri Rao And C H Sasikala - " Bio-Inspired Solutions for Durable Concrete ", International Journal Of Earth Sciences And Engineering ,Special Issue Of 3-Day International Conference on Emerging Trends in Civil Engineering (ICETE-2014), 6th–8th January, 2014 Organized by VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad, INDIA in Association with CAFET-INNOVA TECHNICAL SOCIETY, Hyderabad,

INDIA, Scopus Journal Rating (SJR) 0.15 (2012); H-index: 2 (2012); CSIR-NISCAIR, INDIA Impact Factor 0.042 (2011), August 2014, Volume 07 No 04, ISSN 0974-5904, P.P.575-581.

12. V Srinivasa Reddy, M V Seshagiri Rao, S Sushma (2015), "Feasibility Study on Bacterial Concrete as an Innovative Self-Crack Healing System", International Journal of Modern Trends in Engineering and Research (IJMTER), Volume 2, Issue 7, July-2015, e-ISSN No.:2349-9745, pp:642-647.

13. V Srinivasa Reddy, Shrihari, M V Seshagiri Rao (2016), "Evaluation of Cementing Efficiency of Quaternary Blended High Strength Self Compacting Concrete" IJRET: International Journal of Research in Engineering and Technology, eISSN: 2319-1163 | pISSN: 2321-7308, Volume: 05 Special Issue: 20 | ACCE: REDECON-2016 | Nov-2016, Available @ <https://www.esatjournals.org>, pp. 260-265.

14. M V Seshagiri Rao and V Srinivasa Reddy, "Bacteria Incorporated Concrete", Civil Engineering Research Journal, ISSN: 2575-8950, DOI: 10.19080/CERJ.2018.03.555621, Civil Eng Res J Volume 3(Issue 5): CERJ.MS.ID.555621, <https://juniperpublishers.com/cerj/pdf/CERJ.MS.ID.555621.pdf>, Feb 2018, pp-001-002

15. V Srinivasa Reddy, R Nirmala "Development of quaternary blended high performance concrete made with high reactivity metakaolin", DOI: [10.14419/ijet.v7i2.1.11048](https://doi.org/10.14419/ijet.v7i2.1.11048), International Journal of Engineering & Technology, ISSN: 2227-524X, Website: [www.sciencepubco.com/index.php/IJET](http://www.sciencepubco.com/index.php/IJET), 7 (2.1) ( March 2018) pp. 79-83 (SCOPUS indexed)

16. M V Jagannadha Kumar, B Dean Kumar, K Jagannadha Rao and V Srinivasa Reddy, "Development Of Self-Curing Concrete Using Polyethylene Glycol As Internal Curing Agent", International Journal of Civil Engineering & Technology (IJCIET) - Volume:9, Issue:7, Aug 2018, Pages:1133-1141 (SCOPUS indexed)

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18. C. Chandana Priya, M. V. Seshagiri Rao and V. Srinivasa Reddy, "Studies On Durability Properties Of High Strength Self-Compacting Concrete –A Review", International Journal of Civil Engineering & Technology (IJCIET) - SCOPUS indexed, Volume 9, Issue 11, (November 2018), pp. 2218–2225, Article ID: IJCIET\_09\_11\_219, ISSN Print: 0976 – 6308, ISSN Online: 0976 – 6316, (SCOPUS indexed)

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