

RESUME

Dr. T.Ch.Madhavi

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WORK EXPERIENCE

Total Experience : 27 yrs.

- a) Teaching with Research : 25 yrs.
- b) Industry : 1 yr.
- c) Research : 1 yr.

- Worked in the capacities as Professor, HoD(Civil) and s Assoc Dean-IIE over a period of 25 yrs.
- Worked as a Design Engineer at Struct CADD Sector, Besant Nagar, Chennai for 1 yr. from June 97-June 98.
- Worked as a Junior Research Fellow in the Structural Dynamics Laboratory, SERC Madras, for 1 yr. from Jan.94 - Jan 95.

AWARDS & HONOURS

- Received “**Outstanding Woman Concrete Engineer**” award Indian Concrete Institute, 7th Dec 2021.
- Received “**Excellence in Civil Engineering Education**” Award from Construction Academy and Kattumaana Thozhil, 21.05.2017.
- **Treasurer and Governing Council member**, Indian Concrete Institute, Feb 2015-17 & 2017-19.
- **Treasurer and management committee member**, Association of Consulting Civil Engineers, Chennai Chapter, 2017-19
- **Executive Council Member** of Association of Consulting Civil Engineers, Chennai Chapter, 2015- 17.
- Received **ISTE Shayesta Akhtar Memorial National Award for Best Women Engineering College Teacher Award** for the year 2014, at the ISTE annual Convention held in Trivandrum, 27th Nov.2014.

- Received “**Special Appreciation Award**” from **Indian Concrete Institute**, on 19th Sept. 2013.
- Received **EP Nicolaides Prize** from Institution of Engineer’s (India) for Best Research Paper, 2010.
- Received **Encouragement award** from Hindustan University, 2007.

CONSULTANCY/INDUSTRY CONNECT

- For 50,000 to **Alectrona energy Private Limited**, for design vetting of solar panel 4 MMS, 6 MMS and 10 MMS 22nd March 2021.
- **For 5,20,000** - International training program for Technicians from Thimpu, BHUTAN on “Conservation of Water Resources and Ferrocement” from 21st to 27th April 2018.
- **For Rs.4,50,000** - International training program for Engineers from Bumthang, BHUTAN on “Construction Project Management” from 13^h to 23rd March 2018.
- **For Rs.7,25,000** International training program for Engineers from Paro, Mongar and Lhuntse, BHUTAN on “Construction Project Management” from 20th to 25th November 2017.
- **For Rs. 3,45,000** International training program for Engineers from Mongar BHUTAN on “Construction Project Management” from 17th to 23 April 2017.
- **For Rs.13.5 Lakhs consultancy** from BHAVINI, Department of Atomic Energy, for R & D on “Behaviour of Polypropylene Fiber Reinforced Concrete”, May 2014.

FUNDS RECEIVED FROM AGENCIES

Total grants received from funding agencies Rs.1.1845652 Crores

- **Rs.49.63672** funding received from Board of Research for Nuclear Studies (BRNS), Department of Atomic Energy, for the project titled “Hybrid Fibre Reinforced Fly Ash based Highly flowable concrete beam column joints subjected to cyclic loading”, 20 May 2022. (Ref No.51/14/01/2022/36084)
- **Rs.7,500 from TNSCST** (Tamilnadu State Council for Science and Technology) as mentor for student project Scheme on “Textile Reinforced Concrete”, May 2020.
- **Rs.40,000** from DST (under NIMAT project implemented by Entrepreneurship Development of India implemented by ‘National Science & Technology Entrepreneurship Development Board. DST, Govt of India) for conduction

Entrepreneurship awareness Camps, 17th to 19th Sept 2019 and 23 to 25 Sept 2019.

- **Rs.50,000** from DRDO-ER&IPR, for International Conference on Advances in Civil Engineering and Sustainable Construction, held from 30th march to 1st April 2016.
- **Rs. 50,000** from DST-SERB for International Conference on Advances in Civil Engineering and Sustainable Construction, held from 30th march to 1st April 2016.
- **Rs. 1.5 Lakhs** grant from Board of Research for Nuclear Studies (**BRNS**) for the International Conference on Advances in Civil Engineering and Sustainable Construction, held from 30th march to 1st April 2016.
- **Rs.53.0948 Lakhs** fund from Department of Science and Technology, Govt. of India, for a Project on “**Copper Slag as alternative Material for River Sand in Concrete**”, 15th Dec 2015.
- **Rs. 75,000 grant** from DST-SERB for International Conference on Advances in Civil Engineering and Chemistry of Innovative Materials, held on 13th and 14th March 2014.
- **Rs. 1 Lakh** grant from Board of Research for Nuclear Studies (**BRNS**) for the International Conference on Advances in Civil Engineering and Chemistry of Innovative Materials, held on 13th and 14th March 2014.
- **Rs. 1 lakh** grant from ISTE for conducting STTP during 24-29th June 2013 on “Disaster Resistant Structures Design, Retrofitting, Mitigation and management”.
- **Rs.10 Lakhs** from AICTE under MODROBS scheme for VR -CAD Lab,2007.

Inhouse Funding

- Rs.1 Lakh from SRM University, under Selective Excellence Scheme, on “Super Absorbent Polymer as additive in Concrete”, Feb 2016.
- Rs.1 Lakh from SRM University, as seed money for conducting research on “Effect of Copper Slag as fine aggregate on Mechanical strengths of Concrete” Dec 2014-Dec 2015.

PATENTS

**Title of Invention : A METHOD FOR STRENGTHENING REINFORCED
CEMENT CONCRETE BEAM**

Application No. 202341040887 A

Date of filing of Application :15/06/2023

Publication Date : 30/06/2023

Inventers : Dr.T.Ch.Madhavi & Mohan A

COUNTRIES VISITED

- **Singapore** 17-23 May 2015.

WORKSHOPS/CONFERENCES/ STTPS ORGANISED

- **National Level Conference** on “Quest for Advancements in Civil Engineering’, SRM IST, Ramapuram, 19-20th March 2015, 23rd March 2018.
- **National Level Conference** on “Quest for Advancements in Civil Engineering’, SRM University, Ramapuram, 19-20th March 2015, 30th March 2017.
- **International Conference** on “Advances in Civil Engineering and Sustainable Construction”, 31st March- 1st April 2016.
- **ICI Workshop** on Recycling Usage & Management of C & D Wastes, 21st Organising committee member, April 2016, IIT-M.
- **International Conference** on “Advances in Civil Engineering and Chemistry of Innovative Materials”, held on 13th and 14th March 2014.
- **ICI Fest** for 500 student participants from **70 different Engineering Colleges** across Tamilnadu, **12th & 13th Sept 2013.**
- **ISTE-SRM** Short Term Training Program on “Disaster Resistant Structures Design, Retrofitting, Mitigation and management”, 24-29th June 2013.
- **National Level Conference** on “Quest for Advancements in Civil Engineering’, SRM University, Ramapuram, 15th March 2012.
- **National level work shop** for faculty of faculty of Engineering colleges on GIS and Remote Sensing on 17th Sept. 2011.
- **Work shop on “Earth Quake Resistant Structures”**, on 13th sept. 2012 at SRM Univ., Ramapuram.

MOUs Signed

- As Head of the department Civil Engineering at SRM University, Ramapuram, Instrumental in signing MOUs with the highly reputed
 - ARS Steels and Alloys Pvt Ltd.
 - Structural Engineering Research Centre
 - BHAVINI, Kalpakkam, Unit of Department of Atomic Energy
 - University of Melbourne, Australia.
 - International Journal of Emerging Technology and Advances in Engineering
- As associate dean of SRM, Ramapuram, instrumental in
 - Centre of Excellence with Ultratech on “Sustainable Construction Materials”
 - Centre for Technology Transfer with “Steinbies Foundation India (Head quarters at Germany)
 - SRM Women Empowerment and Entrepreneurship training (SWEET) centre

EXTENDED SERVICES

Doctoral Committee Member

1. **External Co Supervisor for** Ms.Jenniefer anthonymsami, a PhD student under School of Engineering, The Copper Belt University, KITWE, **ZAMBIA**.
2. **Doctoral thesis evaluator for** G.Savitha Swamy, Visveswaraya Technical University, Belgavi, May 2022.
3. **Doctoral Committee member** for Mr.Nanda Kumar, Veltech MultiTech College of Engineering, Chennai.
4. **Doctoral Committee member** for Ms. Poornima.M, Sona College of Technology, Salem – 636005, July 2017.
5. **Doctoral Committee member** for Mr.Swamy Nadh.V, VIT University, Chennai, Jan 2017.
6. **Doctoral Committee member** for Mr.Karuppasamy.N, Sona College of Technology, Salem – 636005, July 2016.

7. **Doctoral Committee member** at St Peters University, Avadi, Aug 2013.
8. **Examiner** for Doctoral thesis of Ms.Kalaiyarrasi A R R at St.Peters University, 4.10.2017.

Other Contributions

1. **Board of Studies Member** of RVR JC college of Engineering, Guntur, Andhra Pradesh, 2023-25.
2. Department **Advisory Board Committee Member** of Rajalakshmi Engineering College, Chennai, May 2022.
3. National Assessment and Accreditation Council (**NAAC**) **assessment Committee** member and Member coordinator. Feb 2021. 21-22, Sept 2022. – 2 Nos
4. Academic Auditor of School of Architecture and Planning, Anna University, Chennai, Oct 2020
5. **Board of studies member** of K.Ramakrishnan college of technology, 2020-2022
6. Established a “Centre of excellence for sustainable construction” in association with Ultratech through which Industry academia interaction was made feasible and many skilled and unskilled workers are being trained, 2021.
7. Panel member for revision of IS:11233-2020, **CED 43**, Code of Practice for Design and Construction of Radar Antenna, Microwave and TV Tower Foundations.
8. Panel member for **SP43-CED38**-Hand book on structures with Reinforced concrete portal frames (without Cranes).
9. **Scrutiny Committee Member** of ISTE-SRM International Journal of Civil Engineering Oct 2014-16.
10. Advisor for the interview panel for selection of Junior Engineers by **Staff Selection Commission, Govt. of India** 2011-14.
11. **Academic auditor** at B.S Abdur Rahman University, 2012.

Resource Person

1. **Guest Lecture on** “Textile Reinforced Concrete”, at International conference on Smart Materials and Structures, Vasi Reddy Venkatadri Institute of Technology, Guntur, Andhra Pradesh, 16th Feb 2022.

2. **Guest Lecture** at AICTE sponsored STTP on “Copper Slag as an alternative for river sand in Concrete”, at Velammal Engineering College, 20th Nov & 2nd Dec 2020.
3. **Guest Lecture** at AICTE sponsored STTP on "Failure of Masonry Buildings", organised by Arupadai Veedu Institute of Technology, 5th & 26th Nov 2020.
4. **Guest Lecture** at National level One Week Virtual FDP on "Advances in Civil Engineering", organised by Rajalakshmi Engineering College, 20th July 2020.
5. **Guest Lecture** at Training program for SSC examinations at Institution of Engineers Convention Centre Organised by Engineers Hub, 14th July 2019.
6. **Guest Lecture** at Training program on Bridge Engineering organized by Engineers Hub on “Prestressing of Bridges”, 4th June 2019
7. **Mentoring Program** for faculty of Rajalakshmi Engineering College on Prestressed Concrete Structures, Strength of Materials and Design of RCC, 31st May – 3rd June 2019.
8. **Guest Lecture** at Faculty Development and Trainign Program supported by Anna University and organized by Rajalakshmi Engineering College, on “Deflection of Concrete Members and their losses”, 3rd June 2019.
9. **Guest Lecture** at Engineers meet organized by UltraTech Cements Ltd, Nellore on, “Application of Copper Slag in concrete”, 13.03.2019.
10. **Guest Lecture** at RVR & JC College of Engineering, Guntur on “Copper Slag in Concrete” at a workshop on “Sustainable Materials and Techniques in Concrete Structures”, 23rd Feb.2019.
11. **Guest Lecture** at SONA College of Engineering and Technology, Salem on "Life Skills", on 27.02.2018
12. **Guest Lecture** at Rajalakshmi Engineering College, on “Elements of Seismology-Earthquake Engineering”, 1st Sept 2018.
13. **Guest Lecture** at Rajalakshmi Engineering College, on “Elements of Seismology-Earthquake Engineering”, 1st Sept 2018.
14. **Guest Lecture** at Engineer’s HUB on “RCC Desing” for TNPSC aspirants on 2nd May 2018 at ASIAN MMDA Park, Arumbakkam, Chennai.
15. **Guest Lecture** at one day national seminar on "Alternatives for River Sand in Construction" organized by Indian Concrete Institute – Salem on 27.02.2018
16. **Guest Lecture** at Rajalakshmi Engineering College, on “Corrosion and Protection Methods”, 8th Feb 2018.

17. **Guest Lecture** in Faculty Development Program at Rajalakshmi Engineering College, on “Design of Water tanks”, Sponsored by Anna University 6th Dec 2017.
18. **Guest Lecture** at Rajalakshmi Engineering College, on “Earthquake resistance structures-Retrofitting”, 21 Sept 2017.
19. **Keynote address** at CSIR sponsored seminar on “Recent advances in Earthquake resistant Design and Structural Dynamics”, at Valliammai College of Engineering, 16th Feb 2017.
20. **Invited for Technical Talk** for Association for Consulting Civil Engineering (ACCE) on “Seismic Forces, its causes and effects” at Alumni Centre, Anna University, Chennai on 29th Sept 2016.
21. **Invited Speaker** at Faculty Development Program at Easwari Engineering College on “Matrix methods of Analysis” on 7th Dec. 2013.
22. **Key note speaker** on “Research Methodologies”, at ‘Green Technology on Communication & Computing’, St. Peters University, 3rd Oct 2013.

Session Chair/Judge in Conferences/Symposia

23. **Technical committee member** for National Conference on “Innovations in Civil Engineering through Sustainable Technologies (NICEST’23)” during 9-10th June, 2023, Mahatma Gandhi Institute of Technology, Hyderabad.
24. **Judge** for student paper presentation competition at Easwari Engineering College, Chennai, 2010, 2011 and 2013 to 2017, 14th Aug 2018.
25. Invited **Session Chair** for two Days National level Conference on " Structural Health Monitoring & Environmental Management NCSHMEM'18" at Easwari Engineering College on 27th & 28th March 2018.
26. Invited **Chairperson** for the national conference on “Advances in Traffic, Construction Materials and Environmental Engineering”, Easwari Engineering College, 13th Apr 2015.
27. Invited **Chairperson** at the MOES sponsored National Conference on “Water Treatment, Reuse, Modeling and Control of Desalination Process”, at Easwari Engineering College, 24th Sept. 2014.
28. **Judge** for student paper presentation competition at MNM Jain Engineering College, Chennai, 2009.
29. **Judge** for student paper presentation competition at Meenakshi Sundara Rajan College of Engineering, Chennai, 2009.

30. **Chief guest** for flag Hoisting at Indian Matriculation Hr Sec school, kaikalanchavadi, Chennai, 15th Aug 2018.

EDITING AND REVIEWING

1. Reviewer for **“Indian Concrete Journal”**.
2. Reviewer for **“Frontiers of Structural and Civil Engineering”**, Springer publication, Jun 2020.
3. Reviewer for **“Journal of Building Engineering”**, Elsevier Publication.(SCOPUS indexed), April 2020.
4. Reviewer for **African Journal of Engineering Research**, Nov 2018.
5. **Technical Committee member and Reviewer for the International Conference on Renewable Energy and Power Engineering**, Toronto, Canada.24-26 Nov 2018.
6. Reviewer for **American Society for Civil Engineers (ASCE)** Journal of Materials in Civil Engineering, Oct 2016, July 2020 (H Index 94).
7. Reviewer for **Journal of Earth System Science**, Springer Publication, April 2016.
8. Reviewer for **Science and Engineering of Composite Materials Journal**, De Gruyter Publication, Berlin, Germany.
9. Reviewer of **“Advances in Structural Engineering”**, Multi Science, UK, 2015.
10. **Editorial Board Member for the “International Journal of Energy Engineering”**, Dec-2012-Dec. 2013.
11. Reviewer for **Institution of Civil Engineers (London)** ‘Emerging Materials Research’ Journal.
12. Actively associated with **“MASTER BUILDER”**, leading national construction magazine as advisor 2007-10.
13. Reviewer and editor proceedings of the National Level Conference **“Quest for Advancements in Civil Engineering”**.
14. Reviewer and editor of proceedings of the National level work shop for faculty of all Engineering colleges on GIS and Remote Sensing.
15. Reviewer and editor of proceedings of workshop on **“Earth Quake resistant Structures”**.

INDEXING

Goole Scholar Scitations : 395

H Index : 9

PUBLICATIONS

BOOKS

1. T.Ch.Madhavi et al, chapter in “ICI Hand book on “Alternatives for river sand”. 2021.
2. T.Ch.Madhavi, K.Kameswara Rao, “Fiber Reinforced Concrete”, VDM Veralg Dr. Muller Publishers, Germany, printed at US and UK, Aug.2011.
3. N.Ch.Madhavi, P.Ramesh Kumar, “Engineering Mechanics”, Srikrishna Publications, Chennai, 2002.

INTERNATIONAL JOURNAL

1. H. Thiagu, T.Ch.Madhavi, “Behaviour of Hybrid fiber reinforced foam concrete under axial load”, Asian Journal of Civil Engineering, Vol 25, DOI: [10.1007/s42107-023-00742-x](https://doi.org/10.1007/s42107-023-00742-x)
2. H. Thiagu, T.Ch.Madhavi, “Optimization of fibre reinforced foam concrete for the mechanical behaviour by artificial neural network”, Asian Journal of Civil Engineering”, Vol 25, Issue 2, <https://doi.org/10.1007/s42107-023-00702-5>. (IF 0.397)
3. V. Anuradha, T.Ch.Madhavi, “Behaviour of self compacting concrete hybrid fiber reinforced hollow beams”, STRUCTURES, 35 (2022), 990–1001. <https://doi.org/10.1016/j.istruc.2021.11.058>. (IF 4.1)
4. T.Ch. Madhavi, S. Madhura,”Investigating the Influence of Copper Slag on the Mechanical Behaviour of Concrete” Materials Today Proceedings, Dec 2020. <https://doi.org/10.1016/j.matpr.2020.11.195>.
5. Anuradha Vijayakumar, T.Ch.Madhavi,”Behaviour of Self Compacting Concrete with Hybrid Fibers in Hollow Beams”, Materials Today: Proceedings, Vol. 46 (9), 2021, pp. 3212-3219. <https://doi.org/10.1016/j.matpr.2020.11.193>
6. Gopinath Selvam , T. Ch. Madhavi , T. P. Naazeema Begum & Monish, Sudheesh, “Impact of labour productivity in estimating the duration of construction projects”, Journal of Construction Management”, 13 July 2020, pp. 2398-2404, <https://doi.org/10.1080/15623599.2020.1790475>. (Indexed in Scopus and Emerging SCI)

7. Gopinath Selvam and T. Ch. Madhavi, "Genetic algorithm based optimization for resource leveling problem with precedence constrained scheduling", International Journal of Construction Management", 22 July 2019, DOI: 10.1080/15623599.2019.1641891, (SNIP 1.546, H Index 14)
8. T.Ch. Madhavi, D. Senthilvelan, H.Mohammed Irfan, K.S.M.Anil, D.R.Gowtham, "Investigations on Sulphate Attack on Copper Slag" Concrete Journal of Advanced Research in Dynamical and Control Systems, Vol. 10, 08, May 2018, pp 1272-1275.
9. T.Ch. Madhavi, S. Madhura, "Investigations on the Mechanical Properties of Copper Slag Concrete" Journal of Advanced Research in Dynamical and Control Systems, Vol. 10, 08, May 2018, pp 944 – 949.
10. T.Ch. Madhavi, S. Madhura, N.Sekhar Tarun, A.Ashok Kumar, A.Dharani, "Mechanical Properties of Copper Slag Concrete", Journal of Advanced Research in Dynamical and Control Systems, Vol. 10, 08, May 2018, pp 1309-1313.
11. T.Ch. Madhavi, S. Madhura, K.T.Sankary, G.Avinash, B.Naveen Kumar, "Behaviour of Copper Slag Concrete in Marine Environment", Journal of Advanced Research in Dynamical and Control Systems, Vol. 10, 08, May 2018, pp 1314-1317.
12. T.Ch. Madhavi, P.M.Rameshwaran, R.Dhivakaran, S.Sathyanarayana, Pusuzenla Longkumer, "Experimental Investigation on Flexural Strength of Copper Slag Concrete", Journal of Advanced Research in Dynamical and Control Systems, Vol. 10, 08, May 2018, pp 1318-1322.
13. D. Senthilvelan, T.Ch. Madhavi, "Applications of Recycled Aggregate Concrete", Journal of Advanced Research in Dynamical and Control Systems, Vol. 10, 08, May 2018, pp 939 – 944.
14. T.Ch. Madhavi, G. Nithyambigai, Zeba Jalal, N. Aravindh, K.S. Madhav, "Performance of SAP Concrete under High Temperature and Electrical Resistivity", Journal of Advanced Research in Dynamical and Control Systems, Vol. 10, 08, May 2018, pp 1287-1290.
15. T.Ch. Madhavi, G. Nithyambigai, N. Nithinsai Reddy, M. Masihur Rahman, Tharun Kanmaralaputi, "Resistance to Water Penetration in Super Absorbent Polymer Concrete", Journal of Advanced Research in Dynamical and Control Systems, Vol. 10, 08, May 2018, pp 1291-1295.
16. T.Ch. Madhavi, G. Nithyambigai, Misbahul Hoda, K.Vijay, Nayan Khanna, "Impact Strength of Super Absorbent Polymer Concrete", Journal of Advanced Research in Dynamical and Control Systems, Vol. 10, 08, May 2018, pp 1296-1300.

17. T.Ch. Madhavi, G. Nithyambigai, D.Kishore, B.Anvesh, P.Sangeetha, "Effect of Super Absorbent Polymer on Mechanical Properties of Concrete", Journal of Advanced Research in Dynamical and Control Systems, Vol. 10, 08, May 2018, pp 1301-1308.
18. S. Abhishek, R. Gokulnath, Kshitij Priyadarshi, V. Anuradha and Dr.T.Ch. Madhavi, "Behaviour of Self consolidating hollow concrete beams Reinforced with hybrid fibers of varying shape of the hole", Journal of Advanced Research in Dynamical and Control Systems, Vol. 10, 08, May 2018, pp. 1281-1286.
19. N. Manoj Aravind, A.K. Prabhu, Aryan Tripathi, V. Anuradha and Dr.T.Ch. Madhavi, "Durability properties of Self-compacting concrete with hybrid Fibers", Journal of Advanced Research in Dynamical and Control Systems, Vol. 10, 08, May 2018, pp. 1276-1280.
20. Anuradha Vijayakumar, T.Ch. Madhavi, "The effects of incorporating hybrid Fibers in Self compacting concrete using fly ash", International Journal of Mechanical and Production Engineering Research and Development, Vol. 10, 03, June 2020, pp. 14533 - 14542.
21. V. Anuradha, T.Ch.Madhavi, "Experimental Investigation on behaviour of Hybrid Fiber Reinforced Self-Compacting Concrete", Journal of Advanced Research in Dynamical and Control Systems, Vol. 10, 08, May 2018, pp 515-520.
22. N. Manoj Aravind, A.K. Prabhu,, Aryan Tripathi, V. Anuradha, .T.Ch. Madhavi "Durability Properties of Self Compacting Concrete with Hybrid Fibres", Journal of Adv Research in Dynamical & Control Systems, Vol. 10, 08, May 2018, pp 1276-1280.
23. S. Abhishek, R. Gokulnath, Kshitij Priyadarshi, V. Anuradha, .T.Ch. Madhavi, "Behaviour of Self Consolidating Hollow Concrete Beams Reinforced with Hybrid Fibres of Varying Shape of the Hole", Journal of Advanced Research in Dynamical and Control Systems, Vol. 10, 08, May 2018, pp 1281-1286.
24. S. Gopinath, T.Ch.Madhavi, "Optimization of Resource Leveling Problem for a Construction Project Using Genetic Algorithm" Journal of Advanced Research in Dynamical and Control Systems, Vol. 10, 08, May 2018, pp 1107-1112.
25. S. Gopinath, T.Ch.Madhavi, S. Monish, Vishal Singh, " Optimization of Resource Levelling by Using a Metaheuristic" Journal of Advanced Research in Dynamical and Control Systems, Vol. 10, 08, May 2018, pp 410-416.
26. S.Gopinath, T.Ch.Madhavi, Elina Thomas, Shalu Ann Shaji, Tilu Soney, "Modified Critical Path Method(MCPM)" Journal of Advanced Research in Dynamical and Control Systems, Vol. 10, 08, May 2018, pp 1100-1106.
27. T.Ch.Madhavi, S.Madhura, Bhaskar, "Copper slag as substitute for Fine aggregate in Concrete", International Journal of Emerging Technology and Advanced Engineering, Vol. 7, Issue 8, August 2017, pp 152-155.

28. T.Ch.Madhavi, Bhaskar Singh, A.Balachandar, "Copper Slag in Concrete", International Journal of Emerging Technology and Advanced Engineering, Vol. 7, Issue 8, August 2017, pp 156-159.
29. Safrin Shameer, T.Ch.Madhavi, R. Sivaramakrishnan, "Experimental Investigation on Cold Formed Steel Built-Up Section under Axial Compression", International Journal of Applied Engineering Research, Vol. 11 No.3, May 2016, pp. 251-259.
30. Roshna Maria Abraham, T.Ch.Madhavi, Manas Kalita, "Analysis of Beam Column Joints Using ANSYS – A Review", International Journal of Applied Engineering Research, Vol. 11 No.3, May 2016, pp. 243-250.
31. Manas Kalita, T.Ch.Madhavi "Behaviour Of In-Filled Walls With And Without Openings Under Seismic Load Using Ansys", International Journal of Applied Engineering Research, Vol. 11 No.3 , May 2016, pp. 235-242.
32. T.Ch.Madhavi, Abilaash V, "Split Tensile Strength of Copper Slag Concrete", ARPN Journal of Engineering and Applied Sciences, Vol. 11, No. 9, May 2016, pp 5975-5978.
33. T.Ch. Madhavi, S. Annamalai, "Electrical Conductivity of Concrete", ARPN Journal of Engineering and Applied Sciences, Vol. 11, No. 9, May 2016, pp 5979-5982.
34. T.Ch. Madhavi, S. Arvind Kumar, "Experimental Investigations on Compressive Strength of Copper Slag in Concrete", ARPN Journal of Engineering and Applied Sciences, Vol. 11, No. 9, May 2016, pp 5983-5985.
35. T.Ch. Madhavi, R. Hari Prashanth, "Experimental Investigations on Flexural Behavior of Copper Slag Concrete Beam at Early Age", ARPN Journal of Engineering and Applied Sciences, Vol. 11, No. 9, May 2016, pp 5986-5989.
36. T. Ch. Madhavi, Ram Kumar P. K., "Effects of Temperature on Concrete", ARPN Journal of Engineering and Applied Sciences, Vol. 11, No. 9, May 2016, pp 5990-5992.
37. T.Ch. Madhavi, R.Vivek, "Behaviour of Reinforced Concrete Beam with Web Openings", ARPN Journal of Engineering and Applied Sciences, Vol. 11, No. 9, May 2016, pp 5993-5995.
38. T.Ch.Madhavi, P.V.R.Pavan Kumar, Jothilingam.M, "Effect of Copper Slag on the Mechanical Strengths of Concrete", International Journal of ChemTech Research, Vol.8, No.12 pp 451-460, Dec 2015.

39. T.Ch.Madhavi, S.Martin Luther, P.M.Rameshwaran, D.Senthilvelan, "Chloride Penetration in Polypropylene Fiber Reinforced Concrete", International Journal of ChemTech Research, Vol.8, No.12 pp 451-460, Dec 2015.
40. T.Ch.Madhavi, Arindam Malick, Sohail M.B, Soumya Deep Nath, Mohit Jain, "Effect of Copper Slag on Strength of Polypropylene Fiber Reinforced Concrete" International Journal of Engineering and Technology, Vol.7, No.4, Aug-Sept. 2015, pp 1309-1322.
41. T.Ch.Madhavi, Vivek G, C.R.Prasand Khanna, Mohan Das , "Flexural Behaviour of Copper Slag Concrete", International Journal of Applied Engineering Research, Volume 10, Number 9, May 2015, pp. 22639-22650. (H Index 5)
42. T.Ch.Madhavi, Mohan Reddy, K.Anjenayulu, A.Nagi Reddy, G.Karunakar Reddy, "Split Tensile Strength of Polypropylene Fiber Reinforced Concrete", International Journal of Applied Engineering Research, Volume 10, Number 9, May 2015, pp. 22627-22638. (H Index 5)
43. T.Ch.Madhavi, Teja Vardhan Reddy, Bhaskar Singh, Bheru Lal, "Water Absorption In Fly Ash Concrete", International Journal of Applied Engineering Research, Volume 10, Number 9, May 2015, pp. 24587-24596. . (H Index 9)
44. Arunya.A, Sarayu. K, Ramachandra Murthy A., Nagesh R.Iyer, Madhavi.T.Ch, "Enhancement of Mechanical and Durability properties of Bioconcrete Incorporated with Nano silica & N₂ source", International Journal of Science and Innovative Engineering & Technology, Vol. 2, May 2015.
45. T.Ch. Madhavi, S.Martin Luther, Senthilvelan, Prabhat Kumar, L.Swamy Raju, Deepak Mathur, "Chloride Penetration in Fly Ash Concrete", International Journal of Research in Engineering and Technology, Feb-2015, Vol. 04 Spl Issue. 01, pp.134 – 140.
46. T.Ch.Madhavi, S. Stella, "Strengthening of Rectangular Beams using Externally Bonded Glass Fiber Reinforcement", International Journal of Civil Engineering, Vol.1, Issue 1, November 2014, pp 118-127.
47. T.Ch. Madhavi, L.Swamy Raju, Deepak Mathur, "Durability and Strength Properties of High Volume Fly Ash Concrete", Journal of Civil Engineering Research, 2014, Vol. 4(2A), pp: 7-11.
48. T.Ch. Madhavi, L.Swamy Raju, Deepak Mathur, "Polypropylene Fiber Reinforced Concrete- A Review", International Journal of Emerging Technology and Advanced Engineering, Volume 4, Issue 4, June 2014, pp. 114 – 119..
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