

Dr.K. Vidhya  
Professor,  
Department of Civil Engineering,  
Mahendra Engineering College (Autonomous),  
Mahendrapuri, Mallasamudram,  
Namakkal – 637503.  
Email id: [vidhya22047@gmail.com](mailto:vidhya22047@gmail.com)  
Phone: 9842022047  
Specialization: Structural Engineering

#### Journal Publications (28)

1. **Vidhya, K** Kandasamy, S. (2013), 'Study on properties of bricks manufactured using fly ash and pond ash', Pollution Research, vol. 32, Issue 02, pp. 405-409.
2. **Vidhya, K**, Kandasamy, S, Sanjana Malaimagal, U, Karthikeyan, SR, Sathick Basha, G & Tariq Junaid, H (2013), 'Experimental Studies on Pond ash brick', International Journal of Engineering Research and Development, vol. 6, Issue 5, pp. 06-11.
3. **Vidhya, K** Kandasamy, S 2013, 'Experimental Study on Stress-Strain Behaviour of Masonry Prism with Different Types of Brick and Mortar', International Journal of Earth Sciences and Engineering, vol.6, no.6 (01), pp. 1674-1683.
4. **Vidhya , K.** Swernalatha, S 2013, "Utilization of fly ash and pond ash in self compacting concrete", International journal of innovative research & Development, Vol. 2, Issue 5, pp. 1672 – 1680.
5. **Vidhya, K** Kandasamy, S 2014, 'Study on the Flexural Strength of Coal Ash Brick Masonry Wall Elements', Journal of Structural Engineering, Vol. 41, No. 4, pp.410-419.
6. Dinesh kumar, B, **Vidhya, K** 2014, 'Numerical study on seismic and temperature effects in a RCC building', International Journal Of Engineering Research And Technology, Vol. 3 - Issue 5, pp. 827-830.
7. Subathra S and **Vidhya K** , 2015, 'Experimental Investigation On Hybrid Fibre Reinforced Concrete', International Journal of Applied Engineering Research Volume 10, Number 19

(2015) pp. 13814 – 13819.

8. S.Jeyamurali, **K.Vidhya** , P. Ashok Kumar 2015, 'A experimental study on impact resistance of composite structural Elements', Integrated Journal of Engineering Research and Technology, pp: 101 – 107.
9. S.Jeyamurali, **K.Vidhya** , P. Ashok Kumar 2015, ' Study on impact resistance of composite structural elements" international journal of applied engineering research, vol. 10(a) 6498-6501, ISSN – 09734562.
10. **Vidhya, K**, Kandasamy, S 2016, Experimental investigations on the properties of coal ash brick units as Green building materials', International Journal of Coal Preparation and Utilization, Volume 36, 2016 - Issue 6.
11. **K. Vidhya**, E. Geethamozhi , L. Vijayan, S. Mani Shankar 2016, Study on Durability Performance of Blast Furnace Steel Slag Using High Performance Concrete, Int. J. Adv. Sci. Eng. Vol. 2 No.4 PP: 192-196. ISSN 2349 5359. Index
12. **Vidhya K** and Palanisamy T, 'Use of eco friendly material pond ash in building brick production' Indian Journal of Engineering, Vol. 14 (35), 138 – 146. ISSN 2319-7757.
13. Mohan.S, Sivakumar.C.T, Tamilselvam.P, **Vidhya.K**, Muralimohan.N (2016) 'Reclamation of Nanjarayan Lake by using bio clean STP Treatment Tirupur Corporation in Tamilnadu, India', International Journal of Scientific and Engineering Research, Volume 7, Issue 11, pp : 128 -134.
14. **K.Vidhya**, T.Palanisamy, R.Thamarai Selvan (2017), An Experimental Study On Behaviour Of Steel Fibre Reinforced Concrete Beams', International Journal of Advanced Research Methodology in Engineering & Technology, Volume 1, Issue 2 pp: 178- 183.
15. S.Nandhini, **Dr.K.Vidhya**, 2017, "Experimental Study On Clay Brick Masonry Prism With Varies Mix Combination Of Cement Mortar", International Journal of Advanced Research Trends in Engineering and Technology (IJARTET) Vol. 4, Special Issue 11, pp: 158-169.
16. R.Parthiban, **Dr.K.Vidhya** 2017, "Experimental Study On Fly Ash Brick Masonry Prism With Varies Mix Combination Of Cement Mortar", International Journal of Advanced Research Trends in Engineering and Technology (IJARTET) Vol. 4, Special Issue 11, pp: 170- 181.
17. **Vidhya K**, Thamarai selvan.R 2017, " Determination of ultimate stress of fly ash brick wall using various grades of mortar with confinement, International Journal of applied

engineering, Volume5, Issue 1, Pp.:254-257.

18. S. Mohan, **Dr.K.Vidhya** , Dr. C. T. Sivakumar, V. Shanmugavadivu, M. Devi And C. Mathinagalaxmi, Published a Paper in Indian Journal of Science & Research, *A Study on "Solid waste management using Biomethanation Technology" Pallipalayam municipality in Namakkal district, Tamilnadu, india* , ISSN: 0976-2876 (Print), Volume 1, [Pg.No](#)-137-147, 2017.
19. S.Mohan, Dr.N.Muralimohan, **Dr.K.Vidhya** and Dr.C.T.Sivakumar published a paper in Indian Journal of Science & Research "A Case study on -textile industrial process, characterization and impacts of textile effluent" , Volume17 (1), 2017 Page numbers: 080-084.
20. **Dr.K.Vidhya**, V.Vishnudevan, S.Noel Edwin K. Mohanraj and T.Selvaraj Published a Paper in Indian Journal of Science & Research" paper titled' Comparative analytical study on conventional frame and spandrel frame' Volume17 (1), 2017 Page numbers: 124-128.
21. T.Saranya, **Dr.K.Vidhya** V. Sasikumar P. Vengatesh and C.Nadhakumar , Published a Paper in Indian Journal of Science & Research " paper titled "Comparative analytic study on conventional slab and cellular slab Volume17 (1), 2017 Page numbers: 129- 131.
22. Ms.P.Saradha, **Dr. K.Vidhya** and S.Visali Published a Paper in International Research Journal of Multidisciplinary Technovation (IRJMT)" paper titled "Experimental Investigation on Bacterial Concrete Using Bacillus Subtiles" Volume 1(6), 207-219 .
23. M. Suganthi, N. Ramesh, Dr. C.T. Sivakumar, **Dr. K.Vidhya** Published a Paper in International Research Journal of Multidisciplinary Technovation (IRJMT) paper titled "Physiochemical Analysis of Ground Water used for Domestic needs in the Area of Perundurai in Erode District", Volume 1(6) ; 630-635. in International Research Journal of Multidisciplinary Technovation (IRJMT) .
24. S. Mohan, **Dr.K.Vidhya**, C.T. Sivakumar, M.Sugnathi, V. Shanmugavadivu , M.Devi Published a Paper in International Research Journal of Multidisciplinary Technovation (IRJMT) paper titled "Textile Waste Water Treatment by Using Natural Coagulant (Neem-Azadirachta India)", Volume 1(6); 636-642.
25. S.Mohan , N.Muralimohan, **K.Vidhya** , C.T.Sivakumar Published a Paper in International Research Journal of Multidisciplinary Technovation (IRJMT) paper titled Assessment of

Groundwater Pollution and Remediation-A Review Volume 1(6); 650-657.

26. [Sudha P.B.](#), [Venkatraj D.](#), [Sreenivas M.](#), [Vidhya K.](#), 'Project Planning and Scheduling' Emperor Journal of Applied Scientific Research (EJASR) - ISSN NO. 2581-964X (O) Vol-II Issue-4 April 2020.
27. Vidhya.K, Thamarai Selvan R, saradha P, Revathi S, Nithya, 'Determination of Mechanical Properties of industrial Ash Brick' Emperor Journal of Applied Scientific Research (EJASR) - ISSN NO. 2581-964X (O) Vol-II Issue-4 April 2020.
28. G.Bhuvanesan, P.Haritha, A.karthikeyan, K.Vidhya, R. Manirasu 'Strength Assessment and Restoration of RC Structures by Structural Health Monitoring Techniques' Emperor Journal of Applied Scientific Research (EJASR) - ISSN NO. 2581-964X (O) Vol-II Issue-4 April 2020.

#### International Conference (34)

1. **Vidhya, K** & Kandasamy, S 2005, 'Study of Fracture properties of Fly Ash Concrete Beams', Proceedings of International Congress on Fly Ash India 2005 at Hotel Ashok, New Delhi, India, December 4 - 5, 2005. Pp. 63.
2. **Vidhya, K** & Sudhahar, A 2009, 'Determination of Optimum Acceleration Dosage for PPC', Proceedings of International Conference on Infrastructure Development on Expansive Soil, Adhiyamaan College of Engineering, Hosur, Tamil Nadu, India. August 27 - 29, 2009. Pp. 655-662.
3. **Vidhya, K**, Mohana, S, Suthandradevi, S, Tharangini, N & Vimala devi, M 2010, 'Pond Ash Bricks using Accelerated Cement Binder', Proceedings of International Conference on Intelligent Science & Technology, Sun College of Engineering and Technology, Kannaya kumari, Tamil Nadu, India. March 18 - 19, 2010. Pp.
4. **Vidhya, K** & Kandasamy, S 2011, 'Utilization of Pond Ash for Manufacturing Bricks', Proceedings of International Conference on Civil, Structural and Environmental Engineering, K.S.R. College of Engineering, Tiruchengode, Tamil Nadu, India. February 18 - 19, 2011. Pp. 73-78.
5. Kandasamy, S, **Vidhya, K**, Poorani, M & Sujithra, S 2012, 'Study on Paving Blocks Incorporating Fly Ash and Pond Ash', Proceedings of International Conference on Advances

in Architecture and Civil Engineering, M.S. Ramaiah Institute of Technology, Bangalore, India. June 21 – 23, 2012, Pp. 94-97.

6. **Vidhya, K** Kandasamy, S 2013, 'Utilization of ash bricks in Green Housing', Proceedings of International Conference of Green Technology and Applied Sciences, Adhiparasakthi Engineering College, Melmaruvathur, Tamil Nadu, India. August 27 - 29, 2009. Pp.65-66.
7. **Vidhya, K** Prakash, S 2013, 'Experimental investigation of high density concrete Incorporating hematite and mill scale', Proceedings of Innovative Research in Engineering and Technology, Park college of Engineering and Technology, Coimbatore, Tamil Nadu India. January 3 -5, 2013.
8. **Vidhya, K** and Jeyamurali, **S** 2015, 'Studies on impact resistance on composite structural elements', 2<sup>nd</sup> International Conference on Engineering, Technology and Science, Muthayammal College of Engineering, Rasipuram, Namakkal, Tamil Nadu, India, March 3 – 6. 2015, Pp 373-378.
9. **Vidhya, K** and Divya, K **2015**, 'Experimental investigation on strength performance of geopolymer concrete', 2<sup>nd</sup> international conference on civil engineering building materials and environmental engineering, Maria College of Engineering and Technology, Kanyakumari, February 27<sup>th</sup> 2015, pp: 38.
10. **Vidhya, K** and Subathra, S **2015**, 'Experimental study on Hybrid Fibre reinforced concrete', 2<sup>nd</sup> international conference on civil engineering building materials and environmental engineering, Maria College of Engineering and Technology, Kanyakumari, February 27<sup>th</sup> 2015, pp: 39.
11. **Vidhya, K** and Kandasamy , S 2015, 'Experimental Study On Stress-Strain Behaviour Of Masonry Prism With Different Types of Brick And Mortar', International conference on infrastructure development for environmental conservation and sustenance, Adhiyaman College of Engineering, Hosur, October 28 – 30, 2015, Pp: 252-257
12. **Vidhya, K** , Geethamozhi E, Vijayan,L and Manishankar, S 2016, 'Experimental Study On Properties of High Performance Concrete Using Blast Furnace Steel Slag', International Conference on Energy, International Conference on Environment And Engineering Coimbatore Institute of Technology, Coimbatore, February 29 to March 2<sup>nd</sup>. 2016.
13. **Vidhya, K** and Kandasamy , S 2016, 'Experimental Study On Stress-Strain Behaviour And

Flexural Tensile Strength Of Brick Masonry', International Conference on Materials Science & Technology, University of Delhi, New Delhi, March 1<sup>st</sup> to 4<sup>th</sup>.2016.

14. Vidhya K and Palanisamy T are presented in International Conference on title 'Use of Eco Friendly Material Pond Ash in Building Brick Production" for the International Conference on Trending researches in Engineering, Science & Technology - 2016 (INC-TEST'16) at Hotel AMRS Evergreen, Salem on 30.09.2016.
15. **K.Vidhya**, T.Palanisamy 2017, 'An Investigation Study On Pond Ash And Fly Ash As A Prospect For Sustainable Brick', International Conference on Recent Advancements in Engineering & Technology-2017 at Grand Pavilion, Bangalore.
16. T.Palanisamy, **K.Vidhya**, Ajmel Muhamed 2017, 'Eco Friendly Coarse Aggregate For Sustainable Concrete', International Conference on Recent Advancements in Engineering & Technology-2017 at Grand Pavilion, Bangalore.
17. **K.Vidhya**, T.Palanisamy , R.Thamarai Selvan (2017), An Experimental Study On Behaviour Of Steel Fibre Reinforced Concrete Beams', for the International Conference on Trending researches in Engineering, Science & Technology - 2017 (INC-TEST'17) at Hotel AMRS Evergreen, Salem on 24.02.2017.
18. T.Divya, S.Shanmuga Priya, M.Soundar Rajan & **K.Vidhya** 2017, 'Experimental investigation on solid block masonry prism with varies mix combination of cement mortar', International Conference On Advances In Biotechnology, Civil & Mechanical Science ICABCMS'17, Selvam College of Technology, Namakkal on 17<sup>th</sup> & 18<sup>th</sup> March 2017.
19. V.Shanmugavadivu, Anitha.K, Deepan.P and **K.Vidhya** 2017, 'Preparation of activated carbon from palm tree wood powder and preliminary studies on the removal of cadmium (II)', International Conference On Advances In Biotechnology, Civil & Mechanical Science ICABCMS'17, Selvam College of Technology, Namakkal on 17<sup>th</sup> & 18<sup>th</sup> March 2017.
20. S.Nandhini, **Dr.K.Vidhya**, 2017, "Experimental Study On Clay Brick Masonry Prism With Varies Mix Combination Of Cement Mortar", ISTE & IETE sponsored in International conference on Research Advances in Communication, Computation, Electrical Science And Structures, Bharathiyar Institute of Engineering for Women, Deviyakurichi, Attur, Salem, Tamil Nadu on 25<sup>th</sup> March 2017.
21. R.Parthiban, **Dr.K.Vidhya** 2017, "Experimental Study On Fly Ash Brick Masonry Prism With

Varies Mix Combination Of Cement Mortar”, ISTE & IETE sponsored in International conference on Research Advances in Communication, Computation, Electrical Science And Structures, Bharathiyar Institute of Engineering for Women, Deviyakurichi, Attur, Salem, Tamil Nadu on 25<sup>th</sup> March 2017.

22. S. Mohan, **Dr.K.Vidhya** , Dr.C.T.Sivakumar, V. Shanmugavadivu, M. Devi And C. Mathinagalaxmi presented in the International conference on “Advancement materials and progress in Infrastructure Engineering (AMPIE 2018)” paper titled *A ‘Study on “Solid Waste Management using Biomethanation Technology” Pallipalayam Municipality In Namakkal District, Tamilnadu, India* ’ in Mahendra Institute of Engineering and Technology, Namakkal on Feb 14-15,2018.

23. T.Saranya, **Dr.K.Vidhya**, V.Sasikumar, P.Vengatesh and C.Nadhakumar , presented in the “International conference on “Advancement materials and progress in Infrastructure Engineering (AMPIE 2018)” paper titled *Comparative analytic study on conventional slab and cellular slab* ” in Mahendra Institute of Engineering and Technology, Namakkal on Feb 14-15,2018.

24. S.Mohan, Dr.N.Muralimohan, **Dr.K.Vidhya** and Dr.C.T.Sivakumar presented in the International conference on “Innovations in science , Engineering, Technology and Management (AMPIE 2018)” paper titled *A Case study on -textile industrial process, characterization and impacts of textile effluent*” in Mahendra institute of Engineering and Technology, Namakkal on Feb 14-15,2018.

25. **Dr.K.Vidhya**, V.Vishnudevan, s. Noel Edwin K. Mohanraj and T.Selvaraj presented in the International conference on “Advancement materials and progress in Infrastructure Engineering (AMPIE 2018)” paper titled *Comparative analytical study on conventional frame and spandrel frame* ’ in Mahendra institute of Engineering and Technology, Namakkal on Feb 14-15,2018.

26. **Dr.K.Vidhya**, P.deepan A.Pramodhitha presented in the International conference on “Advancement materials and progress in Infrastructure Engineering (AMPIE 2018)” paper titled *Case study on suspension bridge using ansys software*’ in Mahendra institute of Engineering and Technology, Namakkal on Feb 14-15,2018.

27. **Dr.K.Vidhya**, presented in the “International conference on Innovations in science,

Engineering, Technology and Management (ICISSETM 2018)” paper titled *Microstructure study on concrete incorporated with industrial waste and fibres*’ in Annapoorana Engineering college, Salem on Mar 09-10, 2018.

**28. Dr.K.Vidhya**, Professor, Department of Civil Engineering, Mahendra Engineering College, presented in the “International conference on Innovations in science, Engineering, Technology and Management (ICISSETM 2018)” paper titled *Biological Treatment Of Municipal Solid Waste In Erode Corporation*” in Annapoorana Engineering college, Salem on Mar 09-10, 2018.

**29. Dr.K.Vidhya** presented in the “International conference on Innovations in BioTechnology, Civil & Mechanical Science (ICIBCMS’18)” paper titled *Production of Biogas by Using Anaerobic Sludge Digestion of Sago Waste*” in Selvam College of Technology, Namakkal on Mar 16-17, 2018.

**30. Dr.K.Vidhya presented** in “SERB Sponsored International conference on Innovations in Science, Engineering & Technology for Sustainable Development (ISETSD-2018)” paper titled *A Case study on untreated effluents cause water Pollution in River Cauvery in Erode and Adjacent areas*” in Muthayammal Engineering College, Rasipuram on Mar 30-31, 2018.

**31. Ms.P.Saradha, Dr. K.Vidhya** and S.Visali Published paper titled “Experimental Investigation on Bacterial Concrete Using Bacillus Subtiles” AICTE & SERB sponsored International Conference on “Smart Applications for Environmental Quality Assessment and Promoting Health Care System using Internet Of Things (ICSAIOT- 2019) ” at K.S.R College of Technology on 28.8.2019 & 29.8.2019.

**32. M. Suganthi, N. Ramesh, Dr. C.T. Sivakumar, Dr. K.Vidhya** Published a Paper titled “Physiochemical Analysis of Ground Water used for Domestic needs in the Area of Perundurai in Erode District”, AICTE & SERB sponsored International Conference on “Smart Applications for Environmental Quality Assessment and Promoting Health Care System using Internet Of Things (ICSAIOT- 2019) ” at K.S.R College of Technology on 28.8.2019 & 29.8.2019.

**33. S. Mohan, Dr.K.Vidhya, C.T. Sivakumar, M.Sugnathi, V. Shanmugavadivu , M.Devi** Published a Paper titled “Textile Waste Water Treatment by Using Natural Coagulant (Neem-Azadirachta India)”, AICTE & SERB sponsored International Conference on “Smart Applications for Environmental Quality Assessment and Promoting Health Care System using Internet Of Things



(ICSAIOT- 2019) ” at K.S.R College of Technology on 28.8.2019 & 29.8.2019.

34. S.Mohan , N.Muralimohan, **K.Vidhya** , C.T.Sivakumar Published a Paper titled Assessment of Groundwater Pollution and Remediation-A Review AICTE & SERB sponsored International Conference on “Smart Applications for Environmental Quality Assessment and Promoting Health Care System using Internet Of Things (ICSAIOT- 2019) ” at K.S.R College of Technology on 28.8.2019 & 29.8.2019.

#### National Conference (55)

1. **Vidhya, K** & Kandasamy, S 2004 ‘Fracture Mechanics in High Performance Concrete – A State of Art Review’, Proceedings of National Conference on “Recent Development in Materials & Structures REDEMAT 2004 at National Institute of Technology, Calicut, India. December 2 – 3, 2004. Pp.141-148.
2. **Vidhya, K** & Kandasamy, S 2005, ‘Study on Concrete Pavement – State of Art Review, Proceedings of National Conference on New Perspective and Paradigm in Materials, Design & Construction of Civil Engineering Systems at Coimbatore Institute of Technology, Coimbatore, Tamil Nadu, India. January 10-11, 2005. Pp. 251-258.
3. **Vidhya, K**, Sudhahar, A, Vidhyavathi. I Pradeepkumar, D & Kirupavathi, I 2006, ‘Eco-Friendly Materials – An Excerpt’, Proceedings of National Conference on Cleaner Development Mechanism at Government College of Technology, Coimbatore, Tamil Nadu, India. December 28 - 29, 2006. Pp. 64-75.
4. **Vidhya, K** , Kandasamy, S & Padmanaban, I 2006, ‘Studies on Critical Stress intensity factors and Fracture Energy with Fly Ash Variation’, Proceedings of National Conference on “Recent Development in Concrete Technology- RDCT 2006 at Government College of Technology, Coimbatore, Tamil Nadu, India. December 21 - 22, 2006. Pp. 295-307.
5. Participated in National Conference on Recent Trends in Infrastructure Development, RETID 2007 at P.S.G College of Technology, Coimbatore, Tamil Nadu, India. January 24-25, 2007.
6. Sudhahar, A, **Vidhya, K**, Naganavanethan, S & Masdhusoodhanan, S 2009, ‘Implementing Mitigation Strategies For Earth Quake Affected Areas’, Proceedings of National Conference on Innovations in Civil Engineering at Crescent Engineering College, Chennai, Tamil Nadu,

India. March 19-20, 2009.

7. **Vidhya, K**, Mahusoodhanan, R, Naganavaneethan, S & Dhanalaksmi, G, 2009, 'Low Cost Fly Ash Bricks', Proceedings of National Conference on "Emerging Trends in Construction and Concrete Technology at Sona College of Technology, Salem, Tamil Nadu, India, November 20- 21, 2009. Pp. 177 -185.
8. **Vidhya, K**, Dhanalakshmi, G, Naganavaneethan, S & Madhusoodhanan, R 2010, 'Low cost brick using Eco Sand', Proceedings of National Conference on Modern Construction Technology at St. Xavier's Catholic College of Engineering, Nagercoil, Tamil Nadu. India, March 12, 2010. Pp. 40-46.
9. Sudhahar, A, **Vidhya, K**, Santhosh Kumar, S, Prabhuvasan, B & Suresh, R 2010, 'Utilization of Pond Ash for Pavement Blocks' Proceedings of National Conference on Modern Construction Technology at St. Xavier's Catholic College of Engineering, Nagercoil, Tamil Nadu. India, March 12, 2010. Pp. 99-105.
10. **Vidhya, K** & Suthandra Devi, S 2010, 'Utilization of pond ash for manufacturing bricks', Proceedings of National Conference on Recent Trends in Civil Engineering at Erode Sengunthar Engineering College, Erode, Tamil Nadu, India. April 8, 2010.
11. **Vidhya, K** 2010, 'Low Cost Brick with Utilization of Pond Ash and Eco Sand', Proceedings of National Conference on Recent Trends in Civil Engineering at Erode Sengunthar Engineering College, Erode, Tamil Nadu, India. April 8, 2010.
12. Sudhahar, A, **Vidhya, K**, Tharangini, N & Suthandradevi, S 2010, 'Low cost brick using Pond ash', Proceedings of National Conference on "Innovations in Civil Engineering - ICE 2010 at Kumaraguru College of Technology, Coimbatore, Tamil Nadu, April 20, 2010. Pp.32.
13. **Vidhya, K** and Kandasamy, S 2011, 'Utilization of fly ash and pond ash in bricks', Proceedings of National Conference of Emerging Technologies in Civil Engineering at K.S.R. College of Technology, Thiruchengode, Tamil Nadu, India.
14. **Vidhya, K** 2012, 'Utilization of pond ash in paver blocks, Proceedings of National conference on Emerging Technologies in Civil Engineering at K.S.R. College of Technology, Thiruchengode, Tamil Nadu, India. April 3, 2012.
15. **Vidhya, K**, Dhaivya, S, Poorani, M & Sujithra, S 2012, 'Utilization on fly ash and pond ash in pavement blocks', CSIR Sponsored Proceedings of National conference on "Advances

Concrete and Construction Technology at K.S.R. College of Engineering, Thiruchengode, Tamil Nadu, India. April 19-20, 2012. Pp. 123-128.

16. **Vidhya, K**, Sindhu, A & Sivasankari, R 2012, 'An investigation on utilization of Pond ash in Bricks', Proceedings of National Conference of Advances and Innovations in Civil And Mechanical Engineering AICME12 at Vel Tech High Tech Dr. Rangrajan Dr. Sakunthala Engineering College , Chennai, Tamil Nadu, India. August 17, 2012. Pp. 171-174.
17. **Vidhya, K**, Sindhu, A, Valarmathi, C, Sivasankari, R & Kandasamy, S 2013, 'Stress Strain Behaviour of Masonry Prisms', Proceedings of National Conference of Recent Trends In Engineering And Technology NCONET13 at Jansons Institute of Technology, Karumathampatti, Coimbatore, Tamil Nadu, India. February 23, 2013.
18. **Vidhya, K**, Kandasamy, S, Sanjana Malaimagal, U, Kartyhikeyan, SR 2013, 'Effective utilization of pond ash in bricks', Proceedings of National Conference of Recent Trends In Engineering And Technology NCONET13 at Jansons Institute of Technology, Karumathampatti, Coimbatore, Tamil Nadu, India. February 23, 2013. Pp.17.
19. **Vidhya, K**, Sanjana Malaimagal, U & Karthikeyan, SR, 2013, 'Eco Friendly Material Pond Ash in Brick Manufacture' Proceedings of National Conference on NC4M'13 at SRS College of Engineering and Technology, Salem, Tamil Nadu, India. April 5, 2013.
20. **Vidhya, K**, sindhu, & valarmathi 2013, 'Utilization of Pond Ash in Paver Blocks', Proceedings of National Conference on NC4M'13 at SRS College of Engineering and Technology, Salem, Tamil Nadu, India. April 5, 2013.
21. Nandakumar, A & **Vidhya, K** 2014, ' Experimental investigation on stress strain behaviour of brick prism', Proceedings of National conference on Emerging Technologies in Civil Engineering, ETCE 14 at K.S.R. College of Technology, Thiruchengode, Tamil Nadu, India. April 5, 2014. Pp. 111-119.
22. Ganesh kumar, D & **Vidhya, K** 2014, 'Stress strain behaviour of brick piers with different confinement', Proceedings of Second National conference on Trendy and Sustainable Development in Civil Engineering at K.S.R College of Engineering, Tiruchengode, Tamil Nadu, India. May 3, 2014. Pp. 211-220.
23. Raajamurugan, S & **Vidhya, K** 2014, 'Experimental investigation on structural behaviour of brick wall', Proceedings of Second National conference on Trendy and Sustainable

Development in Civil Engineering at K.S.R College of Engineering, Tiruchengode, Tamil Nadu, India. May 3, 2014. Pp. 304-307.

24. Nithya,M & **Vidhya, K** 2014, 'Study on structural behaviour of brick wall', Proceedings of Second National conference on Trendy and Sustainable Development in Civil Engineering at K.S.R College of Engineering, Tiruchengode, Tamil Nadu, India. May 3, 2014. Pp. 301-303.
25. DineshKumar, B & **Vidhya, K** 2014 'Numerical study on oblique columns and floor slabs in high rise RC structure', Proceedings of Second National conference on Trendy and Sustainable Development in Civil Engineering at K.S.R College of Engineering, Tiruchengode, Tamil Nadu, India. May 3, 2014. Pp. 136- 140.
26. Veeraragavan, S & **Vidhya, K** 2014, 'Study on structural behaviour of brick wall with confinement', Proceedings of Second National conference on Trendy and Sustainable Development in Civil Engineering at K.S.R College of Engineering, Tiruchengode, Tamil Nadu, India. May 3, 2014. Pp. 311 – 313.
27. **Vidhya, K** and Jeyamurali, **S** 2015, 'A experimental study on impact resistance of composite structural Elements', National Conference On Recent Trends In Civil Engineering, Sona College of Technology, Salem, April 23.2015, Pp: 115-120
28. **Vidhya, K**, Geethamozhi, Divya,K and Saradha,P 2016, 'Experimental Study on Properties of Brick Using Coal Ash', National Conference on Modern infrastructure development through sustainability M. Kumarasamy College of Engineering , Karur, March 17<sup>th</sup>.2016, Pp: 53.
29. Vidhya,K and Palanisamy, T 2016, 'Innovative Manufacturing Techniques Of I-Bricks', National Conference on IRBEP 2016, Vinayaka Mission KVEC, Salem. March 25<sup>th</sup>, 2016.PP: OP/60.
30. **Vidhya K**, Ajitkumar,M, Gokula Kannan.P, Balamuralikrishnan.B, Mathan kumar.M, 2016 , "Study on Mechanical Properties and Durability Performance of Industrial-Ash Bricks, National conference on Recent advancements in Civil Engineering, NCRACE'16, Vivekanandha College of Technology for Women, Tiruchengode, March 30<sup>th</sup>,2016.
31. **Vidhya,K** and Palanisamy, T 2016, 'A Study on Pond ash and Fly ash as an opportunity for Sustainable and Economical Brick', National conference on Design, Materials, Manufacturing & Construction Technologies, N.S.N. College of Engineering and Technology, Karur, March 31<sup>st</sup> 2016.
32. R.Parthiban, S.Nandhini and **K.Vidhya** 2016 , 'Experimental Study On Self Cured Concrete

Using Natural Admixtures', National conference on modern and emerging trends in infrastructure development for sustainability , Department of civil engineering, Mahendra Engineering College, Mahendrapuri, Namakkal. April 7<sup>th</sup> 2016.Pp: 247-252.

33. **Vidhya K**, Gokula Kannan.P, Logesh.S, Mathan kumar.M **2016**, 'Utilization of pond ash as low cost bricks and construction materials', National conference on modern and emerging trends in infrastructure development for sustainability , Department of civil engineering, Mahendra Engineering College, Mahendrapuri, Namakkal, April 7<sup>th</sup> 2016.Pp: 364-371.
34. **Vidhya K**, S. ManiShankar **2016**, 'A study on building material wastage and control in the construction industry', National conference on modern and emerging trends in infrastructure development for sustainability , Department of civil engineering, Mahendra Engineering College, Mahendrapuri, Namakkal, April 7<sup>th</sup> 2016.Pp: 405-409.
35. **Vidhya K** , E.Geethamozhi , L.Vijayan, S.Mani Shankar , Dhamodaran **2016** 'Study and analysis of construction delay', National conference on modern and emerging trends in infrastructure development for sustainability , Department of civil engineering, Mahendra Engineering College, Mahendrapuri, Namakkal, April 7<sup>th</sup> 2016.Pp: 410- 415.
36. **Vidhya K**, L.Vijayan, E.V.Mohanamanikandan, S.Gogulapriya, and T.Aravinth 2016 , 'Experimental study on properties of concrete with perlite', National conference on modern and emerging trends in infrastructure development for sustainability , Department of civil engineering, Mahendra Engineering College, Mahendrapuri, Namakkal, April 7<sup>th</sup> 2016.Pp:.314-320.
37. **Vidhya K** & S.Murali 2016, 'An experimental study on behaviour of steel fibre reinforced concrete in shear and flexure' National conference on modern and emerging trends in infrastructure development for sustainability , Department of civil engineering, Mahendra Engineering College, Mahendrapuri, Namakkal, April 7<sup>th</sup> 2016.Pp:.439-443.
38. **Vidhya K**, Geethamozhi E 2016 are presented in National Conference on title 'Study on Structural Behaviour with Confinement' organized by Department of Chemical Engineering. Annamalai University, Chidhamparam on 21.10.2016 and 22.11.2016.
39. **Vidhya K**, Thamarai selvan.R 2017, are presented in national conference on emerging trends in civil engineering, on title ' Determination of ultimate stress of fly ash brick wall using various grades of mortar with confinement, organized by department of civil

engineering, Government college of Engineering, Salem.

40. Vidhya K, Thamarai selvan.R 2017, are presented In National Conference On Emerging Trends In Civil Engineering, on title ‘ Determination of ultimate stress of fly ash brick wall using various grades of mortar with confinement, organized by department Of Civil Engineering, Government college of Engineering, Salem. Pp:.254-257.
41. **Vidhya. K**, Nandhini. S 2017 are presented in Second National Conference on Modern and Emerging Trends in Infrastructure Development for Sustainability , ‘Experimental study of clay brick masonry prism with varies mix combination of cement mortar’ organized by Department of Civil Engineering, Mahendra Engineering College, Mahendrapuri, Namakkal, March 9<sup>th</sup> 2017.Pp:.146-151.
42. **Vidhya. K**, Parthiban.R 2017 are presented in Second National Conference on Modern and Emerging Trends in Infrastructure Development for Sustainability , ‘Experimental study on fly ash brick masonry prism with varies mix combination of cement mortar’ organized by Department of Civil Engineering, Mahendra Engineering College, Mahendrapuri, Namakkal, March 9<sup>th</sup> 2017.Pp:.152-157.
43. **Vidhya. K**, Shruthi.A.N 2017 are presented in Second National Conference on Modern and Emerging Trends in Infrastructure Development for Sustainability , ‘Delay analysis in construction project: A case study using primavera’ organized by Department of civil engineering, Mahendra Engineering College, Mahendrapuri, Namakkal, March 9<sup>th</sup> 2017.Pp:.131-135.
44. **Vidhya. K**, Sagaya metilda.J, Vanitha.S 2017 are presented in Second National Conference on Modern and Emerging Trends in Infrastructure Development for Sustainability , ‘Stress-strain behaviour of sustainable brick masonry’ organized by Department of Civil Engineering, Mahendra Engineering College, Mahendrapuri, Namakkal, March 9<sup>th</sup> 2017.Pp:.1-5.
45. **Vidhya. K**, Thamarai selvan. R, Sathish kumar.B 2017 are presented in Second National Conference on Modern and Emerging Trends in Infrastructure Development for Sustainability , ‘Experimental study on properties of sustainable brick masonry wall’ organized by Department of Civil Engineering, Mahendra Engineering College, Mahendrapuri, Namakkal, March 9<sup>th</sup> 2017.Pp:6-9.

46. **Vidhya. K**, Ramesh raja.R, Manishankar.S, Ramasamy.T 2017 are presented in Second National Conference on Modern and Emerging Trends in Infrastructure Development for Sustainability , 'Experimental study on behaviour of rubber concrete with rice husk ash' organized by Department of Civil Engineering, Mahendra Engineering College, Mahendrapuri, Namakkal, March 9<sup>th</sup> 2017.Pp.:238-244.
47. **Vidhya. K**, Arivananthan.K, Deepan.P, Manishankar.S 2017 are presented in Second National Conference on Modern and Emerging Trends in Infrastructure Development for Sustainability , 'Experimental study on partial replacement of fine aggregate as foundry sand' organized by Department of Civil Engineering, Mahendra Engineering College, Mahendrapuri, Namakkal, March 9<sup>th</sup> 2017.Pp.:233-237.
48. **Vidhya. K**, Sagaya metilda.J, Vanitha.S, Tamilmani.P, Sumitha.N 2017 are presented in Second National Conference on Modern and Emerging Trends in Infrastructure Development for Sustainability , 'Study of properties of sustainable brick' organized by Department of Civil Engineering, Mahendra Engineering College, Mahendrapuri, Namakkal, March 9<sup>th</sup> 2017.Pp.:100-103.
49. **Vidhya. K**, Dinesh kumar.T, Deepan.P, Manishankar.S 2017 are presented in Second National Conference on Modern and Emerging Trends in Infrastructure Development for Sustainability , 'Experimental study of soil cement bricks and characteristics compressive strength of brick masonry wall' organized by Department of Civil Engineering, Mahendra Engineering College, Mahendrapuri, Namakkal, March 9<sup>th</sup> 2017.Pp.:228-232.
50. **Vidhya. K**, Divya.T 2017 are presented in National Conference on Modern and Emerging Trends in Infrastructure Development for Sustainability , 'Experimental investigation on solid block masonry prism with various mix combination of cement mortar' organized by Department of Civil Engineering, Mahendra Engineering College, Mahendrapuri, Namakkal, March 9<sup>th</sup> 2017.Pp.:523-527.
51. **Vidhya.K**, Sowmya Mohan 2017 are presented in Second National Conference on Modern and Emerging Trends in Infrastructure Development for Sustainability, 'study of properties of self curing concrete with light weight fine aggregate' organized by Department of Civil Engineering, Mahendra Engineering College, Mahendrapuri, Namakkal, March 9<sup>th</sup> 2017.Pp.:113-119.

52. Mohan.S, Muralimohan.N Sivakumar.C.T, **Vidhya.K**, (2017) are presented in Second National Conference on Modern and Emerging Trends in Infrastructure Development for Sustainability, 'A review on removal of heavy metals in textile effluent using blended natural coagulants' organized by Department of civil engineering, Mahendra Engineering College, Mahendrapuri, Namakkal, March 9<sup>th</sup> 2017.Pp:.19-24.
53. Mohan.S, Muralimohan.N Sivakumar.C.T, **Vidhya.K**, (2017) are presented in National Conference on Modern and Emerging Trends in Infrastructure Development for Sustainability, ' Removal of heavy metals from textile effluent by using blended natural coagulants – A review' organized by Department of civil engineering, K.S.R. College of engineering, Tiruchengode, Namakal, April 7<sup>th</sup> 2017. Pp:.439-443.
54. **Dr.K.Vidhya**, Professor, Department of Civil Engineering, Mahendra Engineering College, presented in the “National conference on advancement in mechanical, manufacturing and civil Engineering (NCAMMCE-18) paper titled *comparative analytic study on conventional slab and cellular slab* ” in M.Kumarasamy college of Engineering, Karur on 9.3.2018.
55. **Dr.K.Vidhya**, Professor, Department of Civil Engineering, Mahendra Engineering College, presented in the “National conference on advancement in mechanical, manufacturing and civil Engineering (NCAMMCE-18) paper titled *Microstructure study on concrete incorporated with industrial waste and fibres*” in M.Kumarasamy college of Engineering, Karur on 9.3.2018.