



## Vishnu Institute of Technology (Autonomous) VISHNUPUR: BHIMAVARAM

---

### FACULTY PUBLICATIONS (CE) : 2023

#### JOURNALS:

1. Kuppala S.R., **Kyle S., Bandaru M.D.**, Sambangi A., Investigation of uniaxial tensile and compressive behavior of SFRC, Asian Journal of Civil Engineering, Vol. 24, (3), PP. 629-637, 2023 (Scopus)
2. Nagaraju T.V., Mantena S., Azab M., **Alisha S.S.**, El Hachem C., Adamu M., **Rama Murthy P.S.**, "Prediction of high strength ternary blended concrete containing different silica proportions using machine learning approaches", Results in Engineering, Vol. 17, PP. 01-14, 2023 (Scopus)
3. **Vijay K.**, Paluri Y., Reddy M.S., Rao I.V., John K., Dayanand N., "Performance evaluation of reclaimed asphalt pavement (RAP) aggregate in concrete pavements: a state-of-the-art review", Journal of Building Pathology and Rehabilitation, Vol. 8, (2), PP. (9) 01-11, 2023 (Scopus)
4. **Shaik Subhan Alisha** and T V Nagaraju and **Pilla Sita Rama Murty , VVS Sarma** and Mantena Sireesha,"Strength and stiffness prediction models of expansive clays blended with sawdust ash",IOP Conference Series: Materials Science and Engineering, volume:1273,2023,012018, doi:10.1088/1757-899X/1273/1/012018. PP. 01-07, 2022 (GS)

#### CONFERENCES:

1. **Sree Kumar K., Alisha S.S., Vijay K., Sarma V.V.S.**, "Mechanical Characterization of Sustainable Concrete Incorporating Bentonite Powder and Sisal Fibre", IOP Conference Series: Earth and Environmental Science, Vol. 1280, (1), PP. 01-13, 2023 (Scopus)
2. **Alisha S.S.**, Nagaraju T.V., Onyelowe K.C., Dumpa V., Sireesha M., Prediction of Strength and Stiffness Behavior of Glass Powder Stabilized Expansive Clay Using ANN Principles, Lecture Notes in Civil Engineering, Vol. 338 LNCE, PP. 211-219, 2023 (Scopus)

### FACULTY PUBLICATIONS (CE): 2021

#### JOURNALS:

1. Onyelowe K.C., Mahesh C.B., **Srikanth B.**, Nwa-David C., Obimba-Wogu J., Shakeri J., "Support vector machine (SVM) prediction of coefficients of curvature and uniformity of hybrid cement modified unsaturated soil with NQF inclusion", Cleaner Engineering and Technology, Vol. 5, PP. 01-10, 2021, (Scopus)

## **FACULTY PUBLICATIONS (CE): 2020**

### **JOURNALS:**

1. **Sk. Alisha, P. Rohit**, K.S.N. Sachin, V.Rajesh Babu, Self-Healing Concrete Using Bacteria, The International Journal Of Analytical And Experimental Modal Analysis, Volume XII, Issue VII, Pp3164-3170 (GS)
2. **P. Rohit, S.K. Alisha**, P.V.S.S.P. Ganesh Varma, Partial Replacement Of Fine Aggregate With Crumb Rubber In Concrete, The International Journal Of Analytical And Experimental Modal Analysis, Volume XII, Issue VII, Pp3161-3163 (GS)
3. **V.V.V.Sarma Velavalapalli ,Dr.G.Reddy Babu,P.Manoj,M.Manikanta**, Speculative Study On Properties Of Concrete By Partial Replacement Of Cement With Metakaolin And Ornamental Quarry Dust, International Journal Of Research And Technology Volume 8, Issue 4, December 2020, Pp206-218 (GS)
4. **B Mary Devika, B Durga Vara Prasad, K Suseela**, Designing Of Flexible Pavement By Using Geosynthetic Material (Cotton Fiber), GRD Journals- Global Research And Development Journal For Engineering ,Volume 6, Issue 1 ,December 2020,Pp 30-34, (GS)
5. **P.Manoj, Sk.S.Alisha,G.Reddy Babu**, P.Rohith,M.Manikanta, Improving The Feasibility Of Design Procedures Using Computer Programming, International Journal Of Research And Technology Volume 8, Issue 4, December 2020 ,Pp 191-192 (GS)
6. Manikanta Manne, Manasa Vatsavayee, **V V S Sarma**, Design And Analysis Of (G+5) Residential Apartment, International Journal Of Research And Technology Volume 8, Issue 4, December 2020, Pp193-201 (GS)
7. **B Durga Vara Prasad,K Suseela,B Mary Devika**, M20 Grade Concrete Subjected To Elevated Temperature ,Global Research And Development Journal For Engineering , Volume 6 ,Issue 1 , December 2020,Pp 12-19 (GS)
8. **K Suseela,B Mary Devika,B Durga Vara Prasad**, Potential Waste Water Reuse, Global Research And Development Journal For Engineering , Volume 6 , Issue 1 ,December 2020, Pp 20-29 (GS)
9. **Srikanth Bandela, P Rohith, B Mary Devika**, Plastic Waste Management, Global Research And Development Journal For Engineering , Volume 2 , Issue 1 |,December 2020, Pp 47-53 (GS)

## CONFERENCES:

1. Bohra V.K.J., Nerella R., Madduru S.R.C., **Rohith P.**, "Microstructural characterization of fly ash based geopolymer", Materials Today: Proceedings, Vol. 27, PP. 1625-1629, 2020, (Scopus)

## FACULTY PUBLICATIONS (CE): 2019

## JOURNALS:

1. **S.K.Alisha**, **K.Suseela**, Investigation on Strength and Durability of Concrete by Partial Replacement of GGBS in Cement, IJSRD, pp482-486 google scholar, impact factor 4.39

## FACULTY PUBLICATIONS (CE): 2018

## JOURNALS:

1. Pala Gireesh Kumar, S.Moses Santha Kumar and **G.Reddy Babu**, Level of Service Studies on Proposed Cycle Tracks in Tiruchirappalli communicated to Canadian Journal of Civil Engineering (SCI).
2. **G. Reddy Babu**, P. Gireesh kumar, Effect of Sulfates on Cement and Fly Ash Mortar Made with Treated Domestic Wastewater, accepted to publish in International Journal of Engineering and Technology IJET, 2018 (Scopus)
3. **G.Reddy Babu**, **B. Madhusudana Reddy**, N. Venkata Ramana, Quality of Mixing Water in Cement Concrete "A Review" published in Journal of Materials Today: Proceedings Vol. 5, Pp:1313-1320 ,2018(Elsevier) ISSN: 2214-7853
4. **G.Reddy Babu**, N. Venkata Ramana, Feasibility of wastewater as mixing water in cement, published in Journal of Materials Today: Proceedings Vol. 5, Pp:1607-1614 ,2018(Elsevier) ISSN: 2214-7853
5. N. Venkata Ramana, **G.Reddy Babu**, U.Raghu Babu, Bearing Strength of Steel Fibre Reinforced Black Marble Stone Waste Aggregate Concrete, published in Journal of Materials Today: Proceedings Vol. 5, Pp:1201-1210 ,2018(Elsevier) ISSN: 2214-7853
6. **vs.sarma,sk.s.alisha**, reconnaissance of strength characteristics of recorn polyester fiber recycled aggregate concrete, international journal of management ,technology and engineering, p.p-2436-2449, scopus, impact factor 6.3
7. **p.manoj, v.ravi kiran** ,mechanical analysis of buried gas pipe line of different grade of steel at a depth under the influence of sub surface blast loading, irjet, pp544-548google scholar, impact factor 7.529

8. **p.manoj, v.ravi kiran** , effect of protective cover on the buried gas pipe line subjected to sub surface blast loading, international journal of research in engineering ,science and management, pp280-282,google scholar, impact factor 4.308

#### CONFERENCES:

1. **G. Reddy Babu**, Effect of Chemicals on Mortar Cubes Cast With Using Treated Domestic Wastewater, published in International conference on Desalination InDA-2018, Organized by NIT Tiruchirappalli and Indian Desalination Association on 20th and 21st April, 2018.

#### FACULTY PUBLICATIONS (CE): 2017

#### JOURNALS:

1. **G. Reddy Babu**, Durability of Portland Slag Cement Mortar Made with Non Potable Water, published in International Journal of Advance Engineering and Research Development (IJAERD), Vol. 4, Issue. 8, 2017 ((Thomason Reuters and UGC Approved No: 44839). ISSN: 2348-4470(e), pp.2348-640
2. **G. Reddy Babu**, Durability of Mortar Made with Non Potable Water with Lime, published in International Journal Innovation Science, Engineering & Technology (IJSET), Vol. 4, Issue. 8, 2017, ((Thomason Reuters and UGC Approved No: 4798 and 48287), ISSN:2348-7968
3. **G. Reddy Babu**, Use of Sludge and Treated Domestic Wastewater in Clay Bricks, published in International Journal for Research in Applied Science & Engineering Technology (IJRASET), Vol. 5, Issue. 9, 2017, ((Thomason Reuters and UGC Approved No:44382). ISSN:2321-9653(e),
4. **G. Reddy Babu**, Use Of Treated Domestic Wastewater In Clay Bricks, published in Journal of Emerging Technologies and Innovative Research (JETIR), Vol. 4 Issue 9, September, 2017. ( H-Index, UGC Approved No: 63975 ) ISSN:2349-5162.
5. **G. Reddy Babu**, Durability of Clay bricks Made with Sludge and Treated Domestic Wastewater, published in International Journal of Current Advanced Research(IJCAR), Vol. 6 Issue 8, Aug, 2017. (UGC Approved No: 43892) ISSN(e): 2319-6475, (P): 2319-6505
6. **G. Reddy Babu**, Durability of Mortar made with Outlet water of water treatment plants with lime, published in International Journal of Engineering Sciences & Research Technology(IJESRT), Vol.6 Issue 10,Oct,2017.( H-Index, UGC Approved No:48486 ) ISSN:2277-9655

7. **VVS.SARMA, SK.S.ALISHA**, exposure effect of mgso<sub>4</sub> and hcl on strength properties of ceramic waste powder by partial replacement with cement, IJRST, pp.9- 16 ,(Google scholar)
8. **P.ROHITH**, Shanagonda Akhila, T.Narsimha Rao experimental study on admixtures, IRJET, pp.423-424 (Google scholar)

#### **CONFERENCES:**

1. **G.Reddy Babu**, B. Madhusudana Reddy, N. Venkata Ramana, "Experimental Study on Feasibility of Non Potable Water With Lime on Properties of PPC" Published in IOP Conference Series: Materials Science and Engineering, Volume 225, No: 012271 (2017) (SCOPUS and UGC Approved) ISSN: 1757-899X.
2. **G. Reddy Babu**, Effect of wastewater on properties of Portland Pozzolana Cement, published in American Institute of Physics (AIP) Conference proceedings, Volume **1859**, No; **020103 (2017)** (SCOPUS, and UGC Approved) ISSN:978-0-7354-1533-1
3. **G. Reddy Babu**, G Madhav Kumar, An Eco Friendly Solution to the Food Waste Disposal, published in American Institute of Physics (AIP) Conference proceedings **1859**, **020068 (2017)** (SCOPUS, and UGC Approved) ISSN:978-0-7354-1533-1)
4. **G. Reddy Babu**, Reuse of wastewater in Portland Slag Cement, published in International Conference on Global Civil Engineering Challenges in Sustainable Development and Climate Change (ICGCSC-2017) held on 17<sup>th</sup> and 18<sup>th</sup> , March, 2017, Mangalore Institute of Technology & Engineering, Mangalore, Karnataka, India. ISBN:978-93-5267-355-1