

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(Autonomous)

Sree Sainath Nagar, A. Rangampet-517 102

Department of Civil Engineering

Research Paper Publications

2019-20
INTERNATIONAL JOURNALS
<ol style="list-style-type: none"> 1. Eswara Reddy. O, Kesavulu, M. M. and Sunil Kumar D. (2019). "Pilot study on phytoremediation of contaminated soils with different plant species." Journal of Hazardous, Toxic, and Radioactive Waste, ASCE, 23 (4), 04019021, pp. 1-7, ISSN: 2153-5493, DOI: 10.1061(ASCE)HZ.2153-5515.0000462. 2. Eswara Reddy. O and Guruprasad Verma, D. (2019). "Load-Settlement response of geotextile encased laterally reinforced granular piles in expansive soil under compression." International Journal of Geosynthetics and Ground Engineering (2019) 5:17,pp.1-8, https://doi.org/10.1007/s40891-019-0168-8 3. D. Srinivasa Murthy, S. Aruna Jyothy and P. Mallikarjuna (2019). "Trend analysis of annual maximum daily stream flows at the gauging sites of Godavari river basin." Hydrology Journal, Vol. 42 & 43, Issue 7-8, Jan – Dec 2017 & 2018, pp.54-77.

2018-19
INTERNATIONAL JOURNALS
<ol style="list-style-type: none"> 1. Partheeban P., Prasad Raju H., Rani Hemamalini, R. and Santhini, B. (2018). "Design and implementation of equipment for air quality information management system." Journal of Advances in Information Technology, Vol. 9, No. 4, pp.117-122., November 2018. ISSN: 1798-2340. 2. S. V. H. Nagendra, Prasant Nanda and D.V.S Bhagavanulu.(2019) "Numerical investigation to understand the effect of curvature on the corner wall jet." International Journal of Engineering and Advanced Technology, Volume8, Issue 5, ISSN: 2249 – 8958. 3. S.V. H. Nagendra, Prasant Nanda and D.V.S Bhagavanulu. (2019) "Effect of orifice position on flow characteristics of a three dimensional wall jet." International Journal of Engineering and Advanced Technology, Vol. 8, Issue 5, ISSN: 2120-2125.
NATIONAL CONFERENCES
<ol style="list-style-type: none"> 1. B. Teresa Rose, B. Sailaja, K. Sushmitha, M. Sreekanth, M. Naveen and K. Sandeep Kumar (2019). "Removal of chromium by adsorption using fish scales." National Conference Modern Construction Materials and Techniques for Sustainable Development organized by St. Peter's College of Engineering and Technology, Avadi, Chennai during 19-20 March 2019. 2. C. Anand, and H. Prasad Raju (2018). "Sustainable development through utilization of industrial wastes ground granulated blast furnace slag and sugarcane bagasse ash in concrete." Proceedings of the National Conference on Special Concrete, VIT, Vellore, pp.1-10. 3. D. V. S. Bhagavanulu (2018). "A Study on the effect of shape and curvature on HTE flow properties of a corner wall jet.", 7th International and 45th National Conference on Fluid Mechanics and Fluid Power Conference (FMFP), 10-12 December 2018, organized by IIT Bombay, Mumbai. 4. D. V. S. Bhagavanulu (2018). "Mean flow characteristic of a three dimensional wall jet developing on mild curvature.", 7th International and 45th National Conference on Fluid Mechanics and Fluid Power Conference (FMFP), 10-12 December 2018, organized by IIT Bombay, Mumbai.

5. **P. Ramesh**, K. Deep Sankar, D. Pranay Kumar and A. Saleem Mohammad (2019). "Foam concrete." National Conference Modern Construction Materials and Techniques for Sustainable Development organized by St. Peter's College of Engineering and Technology, Avadi, Chennai during 19-20 March 2019.
6. **P. Ramesh**, D. Pragathi and B. Sujana Kumar (2019). "Comparison of engineering properties of soils through normative mineral analysis." National Conference Modern Construction Materials and Techniques for Sustainable Development Organized by St. Peter's College of Engineering and Technology, Avadi, Chennai during 19-20 March 2019.
7. K. Pranaya, M. Meghashyam, C.M.Prakash, B. Sai Kiran and M. Sri Hari Prasad and **B. Sudhakar** (2019). "Methane biogas production from mixing of algae and municipal solid waste by anaerobic digestion." National Conference Modern Construction Materials and Techniques for Sustainable Development organized by St. Peter's College of Engineering and Technology, Avadi, Chennai during 19-20 March 2019.
8. K. Dinesh Kumar, M. PrudhviTeja, P. N. Vamsikrishna, A. Shivashankar Bhupathi, **H. Prasad Raju** (2019). "Design of a separate sewerage system for private hostels at Sree Sainath Nagar, A. Rangampet, Tirupati." Proceedings of National Conference on "Innovations in Civil Engineering", organised by St. Peter's Institute of Higher Education and Research, St. Peter's University, Avadi, Chennai, pp52-63, 19-20 March 2019.
9. K. Pranaya, M. Meghashyam, C. M. Prakash, B. Saikiran, B. Saikumar and **B. Sudhakar** (2019). "Study and design of sewage treatment plant for private hostels" at Sree Sainath Nagar, A. Rangampet, Tirupati", National Conference Modern Construction Materials and Techniques for Sustainable Development organized by St. Peter's College of Engineering and Technology, Avadi, Chennai during 19-20 March 2019.
10. **D. V. Purushotham**, **H Prasad Raju** and Vasantha Vishnu Vardhan Reddy (2019). "Optimization of cement content in concrete using granite powder and rice husk ash-Taguchi method." National Conference Modern Construction Materials and Techniques for Sustainable Development organized by St. Peter's College of Engineering and Technology, Avadi, Chennai during 19-20 March 2019.

INTERNATIONAL CONFERENCES

1. **H. Prasad Raju**, Paramasivam Guna, V. Mohan Dass, L. Vinoth Kumar (2018). "Utilisation of non-motorised vehicles at urban commuting points – A suitable remedy for urban air pollution control and fuel savings." 3rd Indian International Conference on Air Quality Management (IICAQM 2018), organised by IITM, Chennai, 6-7 December, 2018.

2017-18

INTERNATIONAL JOURNALS

1. **D.V.S. Bhagavanulu**, **D. Srinivasa Murthy** and **C. Anjali**. (2017). "A study on the impact of water hyacinth in improving the wastewater properties." International Journal of Civil Engineering and Technology, Volume 8, Issue 10, pp. 1199-1209.
2. Bhanu Prakash, G and **V Prem Kumar** (2017). "Carbonation resistance of SCC." International Journal of Engineering Research & Technology (IJERT), Volume 6, Issue 10, pp. 1199-1209, ISSN. 2278-0181.
3. **M. P. Charan Sai**, A. Vinod Kumar, B. Lakshmi Nirajan Reddy (2017). "An experimental investigation on ceramic coarse aggregate with the partial replacement of natural coarse aggregate in M20 mix." International Journal of Advanced Research in Science and Engineering, IJARSE, ISSN:2319-8354, Vol.6, Special Issue No.03, December 2017, pp. 48-54.
4. P. Mallikarjuna, **D. Srinivas Murthy** and S. Aruna Jyothi (2018). "Probability analysis of maximum and minimum daily streamflows during monsoon period – A case study." Journal of Indian Water Resources Society, Vol.38, No.2, pp. 1-8.
5. **D. Srinivasa Murthy**, S Aruna Jyothi and P. Mallikarjuna (2018). "Regional and temporal variations of intensity-duration-frequency relationships - A Case Study.", Journal of The Institution of Engineers (India): Series A, Springer, DOI 10.1007/s40030-018-0344-1, pp. 1-9.
6. Prasanth Nanda, S. V. H. Nagendra and **D. V. S. Bhagavanulu** (2018). "Numerical modeling of

wall bound flow for thermal comfort.”, International Journal of Mechanical Engineering and Technology, Volume. 9, Issue 6, pp. 233–241.

7. Prasant Nanda, S. V. H. Nagendra, **and D. V. S. Bhagavanulu** (2018). “Computational study of effect of curvature on the heat transfer of wall jet.” International Journal of Research in Advent Technology, Volume.6, No.5, pp 797-800.

NATIONAL CONFERENCES

1. K. Sandeep Kumar and **H. Prasad Raju** (2017). “Removal of iron using natural adsorbents.” 2nd International Conference on Environmental Management and Green Technologies in Collaboration with IEEE, organized by the Dept. of Civil Engineering, St. Peter’s College of Engineering and Technology, Avadi, Chennai, 27-29 September 2017.
2. P. Partheeban and **H. Prasad Raju**. (2017) “Real time vehicular air quality monitoring using sensing technology for Chennai.” Proceedings of 4th Conference of Transportation Research Group of India, organized by the Indian Institute of Technology Bombay and Sardar Vallabhbhai National Institute of Technology Surat, at Victor Menezes Convention Centre, IITB, Mumbai, 17-20 December 2017. DOI:https://doi.org/10.1007/978-981-32-9042-6_2, 25th October, 2019.
3. G. Lohith Reddy, G. Lekhya Goud, N. Muni Devika, C. Venkataramudu, K. Madhu Sai Prasad, **H. Prasad Raju** (2018). “Experimental study on vegetable waste composting.” Proceedings of 7th National Conference on Innovations in Machinery and Structures (INOMAS’18), Department of Civil and Mechanical Engineering, Vel Tech Engineering College, Chennai, 10th March 2018.
4. S. Siva Kumar, V. G. Divya, T. Dinesh, P. Yoga Nanda, P.G. Dinesh Kumar, **H. Prasad Raju** (2018). “Assessment of ground and surface water quality around municipal solid waste dumpyard at C. Ramapuram, Tirupati.” Proceedings of the National Conference on Latest Innovations in Civil Engineering (LICE-2018), Department of Civil Engineering, St. Peter’s University, Avadi, Chennai, pp.58-66, 20th March 2018.

INTERNATIONAL CONFERENCES

1. **Eswara Reddy Orekanti**, Padmaja, G., Saraswathi, C. and Sarala, C. (2017). “Effect of lime and calcium chloride on rice husk ash stabilized expansive soil.” International Conference on Indian Geotechnical Conference 2017, Geonest, 14-16 December 2017, IIT Guwahati, India.
2. **Mahesh, V.**, Hemalatha Chemalapati, Vani A, Sreenivasulu Dandagala (2017). “Evaluation of admixture effect on strength and durability properties of concrete - a critical review.” 2nd International Conference on Smart Sustainable Cities(ICSSC), Department of Civil Engineering, Velagapudi Rama Krishna Siddhartha Engineering College, Kanuru, Vijayawada, 28 - 29 December, 2017.
3. B. Sudhakar and **H. Prasad Raju** (2017). “Effectiveness of moringaoleifera seed powder in water treatment – A case study.” 2nd International Conference on Environmental Management and Green Technologies in collaboration with IEEE, organized by the Dept. of Civil Engineering, St. Peter’s College of Engineering and Technology, Avadi, Chennai, 27-29 September 2017.
4. P. Partheeban, **H. Prasad Raju**, R. Ranihemamalini and B. Santhini. (2018). “Design and implementation of equipment for air quality information management system.”, Proceedings of the 4th International Conference on Information Management (ICIM 2018) and International Conference on Computers in Management and Business (ICCMB 2018), organised by St. Antony’s College, and supported by IEEE, University of Westminster, and Staffordshire University, Oxford, UK, 25-27 May 2018.

2016-17

INTERNATIONAL JOURNALS

1. **R. Vinod Kumar and Pavithra** (2016). “Design of traffic signals at closely spaced intersections in Tirupati.” International Journal of Advanced Research, Volume 4, Issue 7, 1663-1670, ISSN 2320-5407.
2. **P. Ramesh and T. Srikanth** (2016). “Effect of a chemical contamination on geotechnical properties of black cotton soil.” International Journal of Control Theory and Applications, Volume: No.10 (2017) Issue No.:6.

3. S. Aruna Jyothi, D. Srinivas Murthy and P. Mallikarjuna (2016). "Development of maximum average rainfall intensity relationships with 24 hour average rainfall intensity." International Journal of Civil Engineering and Technology, Volume 8, Issue 6, 303-315. 4. S. Aruna Jyothi, D. Srinivas Murthy and P. Mallikarjuna (2016). "Probability distributions of annual maximum daily stream flows using L-moments-A case study." International Journal of Civil Engineering and Technology, Volume 8, Issue 6, 290-302.
NATIONAL JOURNALS
1. Eswara Reddy. O. , Mohammed Aejas, S. B. and Bharath. R. (2017). "Piled raft foundations for tall structures – at a glance." i-manager's Journal on Civil Engineering (JCE), Vol. 7, No. 2, March – May 2017 Issue, pp. 41-52.
INTERNATIONAL CONFERENCES
1. Harish. M., Trinadh. N., Krishna Sai. E. and Eswara Reddy. O (2016). "Smart cities in India – a new initiative.", International Conference on Advances in Civil Infrastructure and Development of Smart Cities (ICACIDS-2K16), Rajarambapu Institute of Technology, Islampur, Sangli, Maharashtra, 26-28 February 2016, International E-Publication, ISBN: 978-93-84659-32-5. 2. Eswara Reddy. O , Harish. M., Trinadh. N, and Krishna Sai, E. (2016). "Effect of phosphogypsum and calcium chloride on soil stabilization using flyash." International Conference on Soil and Environment (ICSE 2016), IISc, Bangalore, 22-23 July 2016. 3. P Ramesh and Mr. T Srikanth (2017). "Effect of a chemical contamination on geotechnical properties of black cotton soil." International Conference on Sustainable Computing Techniques in Engineering, Science and Management (SCESM 2017), 27-28 January 2017, Belagavi, Karnataka, India, pp. 1886-1892, Paper ID. 548. 4. P. Indiramma and C H.Sudharani (2017). "Geotechnical and Mineralogical Characterization of Expansive Soil Stabilized with Quarry Dust and flyash." International Conference Emerging Trends in Engineering Science and Technologies 2017 (ICETEST2017), S. V. U. College of Engineering, S.V. University, Tirupati, 8-20 March 2017, Page No. 25, ISBN: 978-81-932966-3-9.

2015-16
INTERNATIONAL JOURNALS
1. D. V. S. Bhagavanulu. (2015). "Effect of convex and concave curvature on the growth of three-dimensional wall jet in the radial decay region." International Research Journal of Engineering and Technology, vol.2, pp 1310-1315. 2. R. Vinod Kumar. (2015). "Experimental study on design of flexible pavement using CBR method." International Journal of Engineering Research, Volume No.5, Issue Special 1, ISSN: 2319-6890, pp: 63-68. 3. T Srikanth. (2015). "Index properties of bituminous binder modified with polyethylene glycol (PEG)." Trends in Transportation Engineering and Applications, Volume 02, Issue 2, pp 23 - 27.
NATIONAL JOURNALS
1. Eswaran Reddy. O , Madhav M. R. and Saibaba Reddy, E. (2015). "Ultimate pullout capacity of the granular pile anchors by laboratory model tests." Indian Journal of Geosynthetics and Ground Improvement, International Geosynthetics Society (INDIA), New Delhi, Vol. 4, Issue No.1, Jan 2015, pp. 25-33.
INTERNATIONAL CONFERENCES
1. D. V. S. Bhagavanulu (2015) "A study on the replacement cement by using cow dung ash." International Conference on Advances in Steel, Power and Construction Technology, OP Jindal Institute of Technology. 2. Eswara Reddy. O and Pavan Kumar. A (2015). "Disaster Mitigation and Management – A

Futuristic Approach." 2nd World Congress on Disaster Management, WCDM-2015, DMICS, Hyderabad and Govt. of A.P.

3. Harish, M., Trinadh, N., Krishna Sai, E. and **Eswara Reddy, O.** (2016). "Smart Cities in India – A New Initiative." International Conference on Advances In Civil Infrastructure And Development of Smart Cities (ICACIDS-2K16), Rajarambapu Institute of Technology, Islampur, Sangli, Maharashtra, 26-28 February 2016, International E-Publication, ISBN: 978-93-84659-32-5.
4. **Sreenivasulu Dandagala.,** Nagaraj Gumageriand, Paresh Chandra Deka. (2015). "Groundwater situation at southwest coast of India - a filed study, overview, opportunities and challenges" ICWRCOE 2015, NITK, Surathkal.