PUBLICATIONS

Publications in SCI/Scopus indexed Journals

- Anjana Elsa Alexander, A P Shashikala, "Studies on the microstructure and durability characteristics of ambient cured FA-GGBS based geopolymer mortar", Construction and Building Materials, Elsevier, Vol. 347, September 2022, pp128538.
- P Mohan, A P Shashikala, "Evaluating Capsize Boundary of Damaged Ro-Ro Ship using Chaos Theory and Probabilistic Analysis", Transactions on Maritime Sciences, Vol.1. No.11, April 2022.
- P Saranya, Praveen Nagarajan and A P Shashikala, "Performance of Geopolymer Concrete Beam under Cyclic Loading: Experimental and Numerical Studies", Practice Periodical on Structural Design and Construction (ASCE) Vol. 27, 1, February 2022, 10.1061/(ASCE)SC.1943-5576.0000635
- Sandeep, M. S, N. Praveen, A. P. Shashikala, "Behavior of Steel Fiber-Reinforced Rubcrete Deep Beams under Shear", ACI Structural Journal, Vol. 119, No.1, pp 15-25, January 2022.
- Saranya P, Praveen Nagarajan, and A. P. Shashikala, "Fracture properties of GGBS-dolomite geopolymer concrete", Journal of Engineering Design and Technology, December 2021.
- P Saranya, N. Praveen and A P Shashikala, "Development of stress block parameters for Steel fibre reinforced GGBS concrete", Songklanakarin Journal of Science & Technology, 43(1), 2021.
- Saranya, P., Praveen Nagarajan, and A. P. Shashikala. "Seismic performance of geopolymer concrete beam-column joints under reverse cyclic loading." Innovative Infrastructure Solutions, Springer, 6, No. 2, pp 1-10, 2021.
- K. P Rajindas, A P Shashikala, "Development of hybrid wave transformation methodology and its application on Kerala Coast, India", Journal of Earth System Science, 130, 103, pp 1-17, February 2021.
- Anand Raj, Praveen Nagarajan, Shashikala A P: "Investigations on Fiber Reinforced Rubcrete for Railway Sleepers." ACI-Structural Journal, Volume 117, No.5, September 2020.
- Anand Raj, Praveen Nagarajan, A. P. Shashikala, "Application of Fibre Reinforced Rubcrete for Crash Barriers", Journal of Materials in Civil Engineering, ASCE, Vol.32 (12), pp. 04020358-1 to 13, September 2020.
- Anand Raj, Praveen Nagarajan, Shashikala A P, Behaviour of Fibre Reinforced Rubcrete Beams Subjected to Impact Loading, Journal of Institution of Engineers: Series A, September 2020.
- Anand Raj, Praveen Nagarajan, A. P. Shashikala, "Application of Fibre Reinforced Rubcrete in Fencing Posts", Practice periodical on Structural Design and Construction, ASCE, vol. 25(4), pp. 1-10, August 2020.
- Anand Raj, Praveen Nagarajan, Shashikala A P, "Failure prediction of impact behaviour of self-compacted rubcrete sleepers", Material Design and Processing Communications, April 2020.
- Saranya P, Praveen Nagarajan, and A. P. Shashikala, "Impact Resistance of GGBS-Dolomite Geopolymer Concrete", Material Science and Engineering, vol. 936, pp. 1-5, 2020.

- Saranya P, Praveen Nagarajan, and A. P. Shashikala, "Behaviour of GGBS-dolomite geopolymer concrete beam-column joints under monotonic loading" In *Structures*, Elsevier, vol. 25, pp. 47-55, 2020.
- Saranya, P., Praveen Nagarajan, and Aikot Pallikkara Shashikala. "Performance Studies on Steel Fiber–Reinforced GGBS-Dolomite Geopolymer Concrete." Journal of Materials in Civil Engineering, ASCE, 33, No. 2, 04020447, 2020.
- Saranya P, Praveen Nagarajan, A P Shashikala, "Behaviour of GGBS-dolomite geopolymer concrete short columns under axial loading", Journal of Building Engineering, Elsevier, vol. 30, pp. 1-7, 2020.
- Saranya P, Praveen Nagarajan, A. P. Shashikala. "Engineering and durability properties of slag-dolomite geopolymer mortars" *Proceedings of the Institution of Civil Engineers-Construction Materials*, pp. 1-32, 2020.
- Sourav Mandal, B Santosh Kumar, A P Shashikala, "Effect of undulating bottom on wave interaction with a floating flexible plate coupled with a flexible porous barrier", Springer Nature, vol. 55 (9), pp. 1801-1820, 2020.
- Anjana Elsa Alexander, A P Shashikala "Sustainability of Construction with Textile Reinforced Concrete- A State of the Art", Material Science Engineering, vol.936, 012006, 2020.
- Niyazuddin, Trupti A Kinjawadekar, Praveen Nagarajan, A.P. Shashikala, "Design of Short Columns Reinforced with GFRP bars subjected to Axial Loading, Material Science Engineering, vol.936, 012003, 2020.
- P Saranya, N. Praveen and A P Shashikala, "Development of GGBS-dolomite Geopolymer Concrete", American Concrete Institute (ACI)- Materials, vol. 116 (6), pp. 507-518, 2019.
- Anand R, APJ Usman, N. Praveen, A. P. Shashikala. "Fracture Behaviour of Fibre Reinforced Rubcrete." In Materials Science Forum, vol. 969, pp. 80-85. Trans Tech Publications Ltd, 2019.
- Sandeep, M. S, N. Praveen, A. P. Shashikala. "Development of Models for Predicting Strut Efficiency Factors for Conventional and Steel Fibre Reinforced Concrete Deep Beams." In Materials Science Forum, vol. 969, pp. 187-192. Trans Tech Publications Ltd, 2019.
- Saranya P, N. Praveen, A. P. Shashikala, and Abdu P. Salam, "Flexural Behaviour of GGBS-Dolomite Geopolymer Concrete Beams under Cyclic Loading," In Materials Science Forum, vol. 969, pp. 291-296. Trans Tech Publications Ltd, 2019.
- Saranya P, N. Praveen, A. P. Shashikala, "Performance evaluation of geopolymer concrete beams under monotonic loading" In. Structures, vol. 20, pp. 560-569. Elsevier, 2019.
- Poonam Mohan, A P Shashikala, "An investigation into the motion and stability of a Ro-Ro vessel", Ocean Systems Engineering, 2019, vol.9(2), pp.157-177
- Prashob P. S, A. P Shashikala, T. P Somasundaran, "Effect of FRP parameters in strengthening the tubular joint for offshore structures", Ocean Systems Engineering, vol. 8(4), pp. 409-426, 2018.
- Sandeep, M. S, Praveen Nagarajan, A. P. Shashikala, "Development of Models for Predicting Strut Efficiency Factors for Conventional and Steel Fibre Reinforced Concrete Deep Beams", Engineering Materials, Scientific Publication, 2018.
- Saranya P, Nagarajan P, Shashikala A. P, "Eco-friendly GGBS Concrete: A State-of-The-Art Review". Materials Science and Engineering, vol. 330(1), pp. 012057, 2018.

- Sandeep M. S, Nagarajan P, Shashikala A. P, "Behaviour of Steel Fibre Reinforced Rubberized Continuous Deep Beams", Materials Science and Engineering, vol. 330(1), pp. 012125), 2018.
- P. Saranya, Praveen Nagarajan, A. P Shashikala, "Flexural behaviour of GGBS- Dolomite geopolymer concrete beams under cyclic loading", Scientific net, 2018
- Raj A, Nagarajan P, Shashikala AP, "A Review on the Development of New Materials for Construction of Prestressed Concrete Railway Sleepers", Materials Science and Engineering vol. 330 (1), pp. 012129, 2018.
- Somervell LT, Thampi S. G, Shashikala A. P, "Estimation of friction coefficient for double walled permeable vertical breakwater", Ocean Engineering, vol. 156, pp. 25-37, 2018.
- Prashob P. S, Shashikala A. P, Somasundaran T. P, "Behaviour of carbon fiber reinforced polymer strengthened tubular joints", Steel and Composite Structures; vol. 24(4), pp 383-90, 2017.
- Somervell L. T, Thampi S. G, Shashikala A. P, "A Novel Approach for the Optimal Design of a Vertical Cellular Breakwater Based on Multi-Objective Optimization", Journal of Coastal Engineering, Elsevier, vol. 59(04), pp. 1750019, 2017.
- P. S Prashob, A. P Shashikala, T. P Somasundaran, "Review of existing techniques and fibre reinforced polymers used for strengthening tubular joints", Structural Monitoring and Maintenance, vol. 4 (3), pp. 255-268, 2017.
- Somervell, L. T., Thampi, S. G, Shashikala, A. P, "Hydrodynamic characteristics of vertical cellular breakwater", Journal of Waterway, Port, Coastal, and Ocean Engineering, ASCE, vol.143(5), 2017.
- Sandeep M S, Praveen Nagarajan, A.P Shashikala, "Determination of strut efficiency factor for concrete deep beams with and without fibre", International Journal on Advances in Computational Design, vol. 1(3), pp. 253-264, 2016.
- Afia S Hameed and A P Shashikala, "Suitability of rubber concrete for railway sleepers", Science Direct Perspectives in Science, vol. 8, pp. 32-35, 2016.
- N Ganesan, Bharati Raj, A P Shashikala, "Evaluation of Stress block Parameters for Selfcompacting Rubberized Concrete composites", Indian Concrete Journal, vol. 89(2), pp. 24-38. 2015.
- Charanvarma. S, A.P. Shashikala, "Dynamic Response of Free-span Sub-sea Pipelines under Vortex Induced Vibrations", Applied Mechanics and Materials, vol. 567, pp. 228-234, 2014.
- Nasma Noor N V, A.P Shashikala, "Resonant motion of liquid confined between Floating structures", Applied Mechanics and Materials, vol. 567, pp. 289-294, 2014.
- Ganesan N, Bharati Raj and Shashikala A. P, "Behavior of Self Compacting Rubberised Concrete Beam Column Joints", ACI Materials Journal, vol. 11, 2013.
- Ganesan N, Bharati Raj and Shashikala A. P, "Flexural Fatigue Behavior of Self Compacting Rubberized Concrete", Construction and Building Materials, Elsevier, vol. 44, pp. 7-14, 2013.
- Ganesan N, Bharati Raj, Shashikala A. P and Nandini S Nair, "Effect of steel fibres on the strength and behaviour of Self Compacting Rubberised Concrete", International Journal of Civil Engineering and Technology (IJCIET), vol. 3(2), pp. 94-107, 2012.
- Ganesan N, Bharati Raj and Shashikala A. P, "Strength and durability studies of Self Compacting Rubberised Concrete", The Indian Concrete Journal, vol. 86(9), pp.15-24, 2012.
- Ganesan N, Bharati Raj, Shashikala A. P "Engineering properties of Self-Compacting Rubberized Concrete", Journal of Reinforced Plastics and Composites, vol.30(23), pp.1923-1930, 2011.
- Bharati Raj. J, A. P. Shashikala, "Behaviour of Irregular Concrete Buildings under Seismic Forces", Recent Trends in Civil Engineering & Technology, vol. 1(1), pp. 9-19, 2011.

- A.P. Shashikala, J. Ramasubramanian, G. Janakiraman, "Investigations into the statistical properties of ECN from corroding Marine systems", International Journal of Offshore Mechanics & Artic Engineering, 2008.
- A.P. Shashikala, R. Sundaravadivelu, C. Ganapathy, "Dynamics of a moored barge under regular and random waves", Ocean Engineering, vol. 24(5), pp. 401-430, 1997.
- A.P. Shashikala, "Functional Design of Industrial Building", Sthapati-Journal of Vastuvidyapratisthanam, pp. 19-27, 2004.

Conference Publications

- Velamuri Anirooth and A P Shashikala, "Stability Analysis of a Square Deck Semi-Submersible Platform with Multiple Floating Wind Turbines", OCEANS 2022, IIT Madras, 21-24 February 2022.
- Anjana Elsa Alexander and A. P. Shashikala "Sustainability of Construction with Textile Reinforced Concrete- A State of the Art" International Conference on Materials, Mechanics and Structures (ICMMS2020), July 2020.
- P Saranya, Praveen Nagarajan and A P Shashikala, "Impact Resistance of GGBS-Dolomite Geopolymer Concrete" "International Conference on Materials, Mechanics and Structures (ICMMS 2020)", July 2020.
- Anjana Elsa Alexander, A P Shashikala and Hafis M, "Development of Ambient Cured Geopolymer Concrete" Second ASCE India Conference on Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies", March 2020.
- Trupti A Kinjawadekar, Praveen Nagarajan, A P Shashikala, "Application of GFRP Bars in Reinforced Concrete Flexural Members", Second ASCE India Conference on Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies", March 2020.
- K P Rajindas, A P Shashikala, "Development of Hybrid Wave Transformation Methodology and its Application on Kerala Coast, India", International symposium on Advances in Coastal Research with special reference to Indo Pacific, December, 2019.
- Saranya, P, N Praveen, A. P. Shashikala, "Effect of supplementary cementitious materials on strength of GGBS geopolymer concrete", Third International Conference on Recent Advancement in Interdisciplinary Research, Pathumthani, Thailand, August 2019.
- Sandeep, M. S, N Praveen, A. P. Shashikala, "Development of Stress Block Parameters for Steel Fibre Reinforced Rubcrete", Third International Conference on Recent Advancement in Interdisciplinary Research, Pathumthani, Thailand. August 2019.
- Anand Raj, Usman P J, N Praveen, A P Shashikala. "Fracture Behaviour of Steel Fibre Reinforced Rubcrete", International Conference on Advanced Research and Innovations in Civil Engineering, ARICE-19, June 2019.
- Anand Raj, Kiran Kumar, N Praveen, A P Shashikala, "Numerical studies on impact response of reinforced concrete beam using FEA", International Conference on Advanced Research and Innovations in Civil Engineering, ARICE-19, June 2019.
- Anand Raj, Raunak, N Praveen, A P Shashikala, "Numerical studies on impact behaviour of PSC concrete beams", International Conference on Advanced Research and Innovations in Civil Engineering, ARICE-19, June 2019.
- Anand Raj, N Praveen, A P Shashikala, "Design of reinforced concrete fencing posts, International Conference on Advanced Research and Innovations in Civil Engineering, ARICE-19, June 2019.
- P Saranya, Praveen Nagarajan, A P Shashikala "Experimental investigation on bond strength properties of geopolymer concrete", International Conference on Advanced Research and Innovations in Civil Engineering, ARICE-19, June 2019.

- Aravinda Rajagopal, P Saranya, Praveen Nagarajan, A P Shashikala, "Performance Evaluation of Geo polymer Concrete Beam Column joints using Finite element methods, International Conference on Advanced Research and Innovations in Civil Engineering ARICE-19, June 2019.
- Akash Kumar Behera, Saranya P, Praveen Nagarajan, A P Shashikala, "Numerical studies on GGBS-dolomite geopolymer short columns', International Conference on Advanced Research and Innovations in Civil Engineering, ARICE-19, June 2019.
- Trupti K, N. Praveen, A.P. Shashikala, "Studies on Flexural Strength of Members Reinforced with GFRP Bars", International Conference on Advanced Research and Innovations in Civil Engineering, ARICE-19, June 2019.
- P Saranya, Praveen Nagarajan, A P Shashikala," Mechanical and Durability Characteristics of GGBS Dolomite Geopolymer Concrete", International Structural Engineering and Construction Conference, Chicago, USA, May 2019.
- P Saranya, Praveen Nagarajan, A P Shashikala, "Seismic behaviour of steel-fibre reinforced GGBS concrete beam-column joints", Second International Conference on Structural Integrity, IIT Madras, December 2018.
- Anand Raj, Praveen Nagarajan, A P Shashikala, "Experimental Investigation on the Fracture Behaviour of Polypropylene Fibre Reinforced Rubcrete", Second International Conference on Structural Integrity, IIT Madras, December 2018.
- Sandeep, M. S., Praveen Nagarajan, A. P. Shashikala, "Feasibility of ACI 318-14 strut-andtie provisions for the analysis and design of rubcrete and steel fiber reinforced rubcrete deep beams", Second International Conference on Structural Integrity, December 2018.
- Poonam Mohan, A P Shashikala, "Comparative Study on Sloshing Behaviour of Different Forms of LNG Tanks", Conference Proceedings of RINA International Conference on Computational and Experimental Marine Hydrodynamics, IIT Madras, November 2018.
- P Saranya, Praveen Nagarajan, A P Shashikala, "Flexural behaviour of GGBS-Dolomite geopolymer concrete beams under cyclic loading", International conference on Recent advances in Materials, Mechanical and Civil Engineering, Hyderabad, November 2018.
- Trupti Kinjawadekar, Praveen Nagarajan, A P Shashikala, "International Conference on Recent Advances in Materials and Manufacturing Technologies", November 2018.
- Shashikala A P, Varma S K, "Optimization of Separation Distance between Two Floating Bodies", 27th International Ocean and Polar Engineering Conference, Sanfrancisco, June 2017.
- P Saranya, Praveen Nagarajan and A P Shashikala "Ecofriendly GGBS Concrete: A Stateof-The-Art Review "on International conference on Recent advances in materials, mechanical and civil engineering, Hyderabad, June 1-2, 2017.
- Prashob P. S, A. P Shashikala, T. P Somasundaran, "Experimental Investigations to Study the Effect of Carbon Fibre Reinforced Polymer (CFRP) Wrapping on Tubular T-joints", The First International Conference on Emerging trends in Ship Building and Offshore Engineering (ICSOE 2017), Chennai, March 2017.
- Afia S Hameed and A P Shashikala, "Suitability of Rubber Concrete for Railway Sleepers", International Conference on Recent Trends in Engineering Materials Science, Jaipur University, March 2016.
- A P Shashikala, Anilkumar PM, George Joseph, Jestin John and Lijith K P, "Experimental Investigations on Use of Rubber Concrete in Railway Sleepers", 2nd R N Raiker Memorial International Conference on Advances in Science and Technology of Concrete, Mumbai, December 2015.

- Anilkumar PM, George Joseph, Jestin John, Lijith K P and A P Shashikala, "Investigations on Tensile Behaviour of Rubberised High Strength Concrete", International Conference on Sustainable Energy and Built Environment, VIT University, Vellore, March 2015.
- Anilkumar PM, George Joseph, Jestin John, Lijith K P and A P Shashikala, "Behaviour of Rubberised High Strength Concrete under Impact Loads", National Conference on Technological Innovations for Sustainable Infrastructure, NIT Calicut, March 2015.
- Sandeep M.S, Praveen Nagarajan, A.P Shashikala, "A Review on the Suitability of Waste Tyre Rubber in Concrete Composite", Proceedings of International Conference on Sustainable Energy and Built Environment, VIT University, Vellore, March 2015.
- Abhijeet Sajjan, A P Shashikala, "Behaviour of Ship Under Sloshing", International Conference on Computational and Experimental Marine Hydrodynamics (MARHY 2014), IIT Madras, December 2014.
- Charanvarma S, A P Shashikala, "Dynamic Response of free span subsea pipelines under vortex induced vibrations" The Second International Conference on Civil, Offshore and Environmental Engineering (ICCOEE2014), Kuala Lumpur, Malaysia, June 2014.
- Nasma Noor N V, A P Shashikala, "Resonant Motion of Liquid Confined between Floating Structures", The Second International Conference on Civil, Offshore and Environmental Engineering (ICCOEE2014), Kuala Lumpur, Malaysia, June 2014.
- Ganesan N, Bharati Raj and Shashikala AP, "Behaviour of Steel Fiber Reinforced Self Compacting Rubberised Concrete Beams under monotonic loading", Twenty-eighth National Convention of Civil Engineers and National Seminar on Role of Infrastructure for Sustainable Development, October 2012.
- Bharati Raj, Shashikala AP, "Seismic Performance Evaluation of Irregular Concrete Buildings", International Conference on Advances in Materials and Techniques for Infrastructure Development, September 2011.
- Brijith R, A P Shashikala, Sajith A S, Lino H, Srinivasan Chandrasekharan, "Response Control of Multi-Legged Articulated Tower Using Tuned Mass Damper', International Conference on Advances in Materials and Techniques for Infrastructure Development, September 2011.
- Ganesan N, Bharati Raj and Shashikala A P, "Evaluation of mechanical properties of Self Compacting Concrete with Rubber as Filler", 11th National and 1st International Conference on Technology Trends, CET, Thiruvananthapuram, November 2010.
- A P Shashikala, "Experimental Investigations into the Impact Characteristics of Cement Rubber Composites", 3rd International Congress of Environmental Research, University of Mauritius, Reduit, Mauritius September 2010.
- Ganesan N, Bharati Raj and Shashikala A P, "Effect of steel fibres on the mechanical properties of Rubber Integrated Self Compacting Concrete", Recent Advances in Civil Engineering (RACE 2010), Fourth CUSAT National Conference, September 2010.
- A P Shashikala, T P Somasundaran, Daini John, "Performance Evaluation of Masonry Infilled Building Frames", 10th East Asia Pacific Conference on Structural Engineering and Construction (EASEC-10) Bangkok, Thailand, August 2006.
- A P. Shashikala, Sujata P, "Prediction of wave Parameters using Adaptive Network Based Fuzzy Inference System", 15th Congress of Asia and Pacific Division of International Association of Hydraulic Engineering and Research & International Symposium on Maritime Hydraulics, IIT Madras, August 2006.
- A P Shashikala," Diffraction analysis of a semi-submersible platform", 3rd Indian National Conference on Harbor & Ocean Engineering, NIO, Goa, December 2004.

- A P Shashikala, M P Arun, Praveen Nagarajan, P Sona, "Behaviour of Pile Foundations in Liquefiable Soil", National Conference on Recent Developments in Materials & Structures, (REDEMAT 2004), December 2004.
- A P Shashikala, "Functional Design of Industrial Buildings" All India Seminar on Industrial Architecture" October 2004.
- A P Shashikala, Sunitha K N, "Applications of artificial neural networks in concrete material modeling", Recent Advances in Civil Engineering RACE Kochi, 2004.
- A P Shashikala, "Route to chaos of an articulated loaded platform", Offshore Mechanics & Arctic Engineering (OMAE 2004) Vancouver, Canada, June 2004.
- A P Shashikala, "Nonlinear response analysis of moored structures", Offshore Mechanics & Arctic Engineering (OMAE2002) Oslo, Norway, June 2002.
- A P Shashikala, R Sundaravadivelu, "Hydrodynamic behaviour of twin floating structures", First Asia Pacific Conference on Offshore Systems (APCOS2001) Kuala Lumpur, Malaysia, April 2001.
- A P Shashikala, R Sundaravadivelu, "Dynamic behaviour of multibody floating systems", Ninth congress of the International Maritime Association of Mediterranean- IMAM 2000, Italy, April 2000.
- A P Shashikala, R Sundaravadivelu, C Ganapathy, "Dynamic behaviour of longitudinally connected twin floating bodies", International Conference on Shock & Impact Loads on Structures, Singapore, November 1999.
- A P Shashikala, R Sundaravadivelu, C Ganapathy, "Behaviour of moored floating bodies" International Conference on Monitoring and Control of Marine and Harbor structures, Genoa, Italy, June 1999.
- A P Shashikala, "Dynamic response of floating bodies in directional seas" Second Indian National Conference on Harbour and Ocean Engineering Thiruvananthapuram, Kerala, December 1997.
- A P Shashikala, "Performance of roof slabs- A survey of incidence of leakage in roof slabs", National Seminar on Recent Trends in concrete and steel structures, IIT Madras, April 1997.

BOOK CHAPTERS

- P. Saranya, Praveen Nagarajan, and A. P. Shashikala, "Behaviour of alkali-activated concrete short column" Advances on Alkali-activated Concrete, Elsevier (Invited article, First draft submitted).
- Anjana Elsa Alexander, A P Shashikala, "Experimental Investigations on the Uniaxial Tensile Behaviour of Carbon Textile Reinforced Geopolymer Mortar", Recent Advances in Materials, Mechanics and Structures, October 2022, pp 277-289, Springer Link.
- K. K. Akheel, Muhamed Safeer Pandikkadavath, A P Shashikala, "Review of Free Vibration Response of Spar-Supported Wind Turbine with Tuned Mass Damper", Sustainable Cities and Resilience, October 2021, pp 399-401, Springer Link.
- Anand Raj, B. Kiran Kumar Reddy, Praveen Nagarajan, A. P. Shashikala, "Numerical Studies on Impact Response of Reinforced Concrete Beams Using FE Software", Advances in Civil Engineering, September 2020, pp 601-610, Springer Link.
- Anand Raj, Raunak Kumar, Praveen Nagarajan, A P Shashikala, "Numerical Studies on Impact Response of Prestressed Beams Using FE Software", Advances in Civil Engineering, September 2020, pp 611-618, Springer Link.

- Anand Raj, Usman Arshad P J, Praveen Nagarajan, Shashikala A P, "Fracture Behaviour of Steel Fibre Reinforced Rubcrete", Advances in Civil Engineering, September 2020, pp 619-628, Springer Link.
- Aravanda Rajhgopal, Saranya P, Praveen Nagarajan, A P Shashikala, "Performance Evaluation of Geopolymer Concrete Beam-Column Joints Using Finite Element Methods", Advances in Civil Engineering, September 2020, pp 677-690, Springer Link.
- Akash Kumar Behera, Saranya P, A P Shashikala, Praveen Nagarajan, "Numerical Studies on GGBS–Dolomite Geopolymer Concrete Short Columns", Advances in Civil Engineering, September 2020, pp 691-701, Springer Link.
- P Saranya, Praveen Nagarajan and A P Shashikala, "Experimental Investigation on Bond Strength Properties of Geopolymer Concrete", Advances in Civil Engineering, September 2020, pp 731-740, Springer Link.
- P Saranya, Praveen Nagarajan and A P Shashikala, "Seismic behaviour of steel-fibre reinforced GGBS concrete beam-column joints", Structural Integrity Assessment, July 2019, pp 323-333, Springer Link.
- Anand Raj, P. J. Usman Arshad, Praveen Nagarajan, A. P. Shashikala, "Experimental Investigation on the Fracture Behaviour of Polypropylene Fibre-Reinforced Rubcrete", Structural Integrity Assessment, July 2019, pp 335-345, Springer Link.
- Balagopal T S Prabhu, A P. Shashikala, "A Chapter on "IT in Civil Engineering", Information Technology – Concepts and Applications, Institution of Engineers (India), Calicut Local Centre, pp 187-194, 2001.