Publication details of Dr. S.K. Sekar (National / International Journals): **(in Last 5 year)**

S. No.	Title of the Paper	Authors	Name of the Journal	Vol. No., Page Nos.,Month & Year
1.	Quality analysis and quality control in building construction with six sigma approach	B. Kapre Varad and S.K. Sekar	Journal of Critical Reviews	Vol 7, Issue 11, pp.412-418, 2020
2.	Analysis of Building to Enhance The Sustainability	Deshbhushan Patil and S K Sekar	International Journal of Advance Science and Technology	Vol.29, No.10S, pp.7837-7847, 2020
3.	Post buckling mechanics and strength of cold-formed steel columns exhibiting Local-Distortional interaction mode failure	Hareesh Muthuraj, **S.K. Sekar,** Mahen Mahendran and O.P. Deepak	Structural Engineering and Mechanics	Vol. 64, No. 5, pp.621-640, 2017
4.	Analysis of tensile capacity of reinforced concrete columns and its ductility performance towards seismic behavior	Vigneshvar, R., Hareesh, M. and **Sekar, S.K.**	International Journal of Civil Engineering and Technology	8(8), pp.798-806, 2017
5.	Study on the effect of nano silica on mechanical properties of concrete	Suganya,O.M.and **Sekar, S.K.**	International Journal of Civil Engineering and Technology	8(3), pp. 292-301, 2017
6.	Impact Toughness Properties of Polymer Latex Modified Concrete Composites	S. Thirumurugan and **S. K. Sekar**	Indian Journal of Science and Technology	Vol .9(44), DOI: 10.17485/ijst/2016/v9i44/84985, Nov.2016
7.	Stress-strain characteristics and flexural behaviour of reinforced Eco-friendly coconut shell concrete	A. Jayaprithika and **S.K. Sekar***	Construction and Building Materials	Vol. 117, pp.244-250,2016
8.	Punching of Slag Based Concrete Incorporating Polymeric and Non- polymeric Fibres	J. Vikram and **S.K.Sekar**	Polymers and Polymer Composites	Vol. 24, No. 7, pp.573-578,2016
9.	Mechanical and fracture characteristics of Eco-friendly concrete produced using coconut shell, ground granulated blast furnace slag	A. Jayaprithika and **S.K. Sekar**	Construction and Building Materials	Vol. 103, pp.1-7,2016

	and manufactured sand			
10.	Characterization of Hydraulic Lime Mortar Containing Opuntia FicusIndica as a Bio-Admixture for Restoration Applications	Ravi Ramdoss, ThirumaliniPerumal, **S K Sekar**	International Journal of Architectural Heritage	Vol. 10, Issue 6, 2016
11.	Flexural and Punching shear Characterization for self compacting Concrete Reinforced with steel fibres	Abibasheer Basheerudeen and S K Sekar	International Journal of Civil and Technology	Vol. 7, issue 5, pp. 187-201, September – October 2016
12.	Study on Improving the Performance of Geo synthetic encased stone Columns : Numerical Evaluation	M Muthu Kumar and S K Sekar	The International Daily Journal	40, (181), pp.13-19, Oct. 2016
13.	Shrinkage behavior of expansive clays stabilized using vermiculite	M Muthu Kumar and S K Sekar	The International Daily Journal	40, (181), pp. 274-278, Oct. 2016
14.	Investigation on Enhancing the Compressive Strength of Cement Mortar using Nano SiO2	OM. Suganya and **S.K. Sekar**	Asian Journal of Research in Social Sciences and Humanities	Vol. 6, No.10, pp. 1766-1782, 2016
15.	Synergistic interaction of polypropylene and steel fibre in a slag based concrete matrix	J. Vikram and **S.K.Sekar**	Building Engineer	Vol. 90, No 11, pp. 26-28, 2015
16.	Enhancement of Concrete Sustainability under Temperature Variation using Hybrid Fibre Reinforcement	J Vikram, **S K Sekar**	Indian Journal of Science and Technology	Vol .8(28). DOI : 10.17485, Oct. 2015
17.	Rate of Chloride Penetration in Polymer Modified Concrete Embedded with crimped Polypropylene Fibres	S Thirumurugan and S K Sekar	International Journal of Applied Engineering Research	Vol. 10, No. 23, pp. 43659-43662, 2015
18.	Interaction Effects of Composite Fibres in a Carefully Designed Slag Based Concrete Matrix	J. Vikram and **S.K.Sekar**	International Journal of Applied Engineering Research	Vol.10, No. 19, pp.40371-40378, 2015
19.	Removal of Heavy Metals from Lignite Mine–spoil using Electro Kinetic Remediation	V. Manoharan, P.Porchelvan, S.K.Sekar	International Journal of Applied Engineering Research	Vol. 10, No.53, pp. 14-18,2015

20.	Comparative Assessment of Impact Toughness Behavior of Hybrid Fiber Reinforced Concrete	J. Vikram and **S.K.Sekar**	International Journal of Civil and Structural Engineering	Vol.2, Issue 2, pp. 132-136,2015
21.	Physico-chemical and mechanical characterization of hydraulic mortars containing Cissus glance roxb as a bio-admixture for restoration applications	R.Ravi, **S.K. Sekar,** Bhuvaneshwari and Nagesh R. Iyer	Journal of Structural Engineering (Madras)	Vol. 42, No.4, pp.305-313. 2015
22.	Bio-inorganic composites as repair mortar for heritage structures	S. Thirumalini, **S.K. Sekar,** B. Bhuvaneshwari and Nagesh R. Iyer	Journal of Structural Engineering (Madras)	Vol. 42, No.4, pp. 294-304, 2015
23.	Knowing from the past - Ingredients and technology of ancient mortar used in Vadakumnathan temple, Tirussur, Kerala, India	S. Thirumalini, Ravi. R, **S.K. Sekar**, Nambirajan.M	Journal of Building Engineering	Vol. 4, pp. 101-112, 2015
24.	Study on compressive strength of concrete using nano silica by design of experiments	OM. Suganya and **S.K. Sekar**	International Journal of Applied Engineering Research	Vol. 10, Issue 17, pp. 38536-38542, 2015
25.	Corrosion inhabitation of reinforcing steel in simulated concrete pore solution – An eco-friendly approach.	E.L. Hareesh,**S.K. Sekar**and Karthikeyan	International Journal on Chem Tech Research	Vol.7, Issue 4, pp. 2003-2006,2015