Journal of Materials in Civil Engineering, 30(9).
[13] Yıldırım, G., Khiavi, A.H., Yeşilmen, S., Şahmaran, M. (2018). Self-healing performance of aged cementitious composites. Cement and Concrete Composites, 87: 172-186. https://doi.org/10.1016/j.cemconcomp.2018.01.004
[14] Hung, C., Su, Y., Su, Y. (2018). Mechanical properties and self-healing evaluation of strain-hardening cementitious composites with high volumes of hybrid pozzolan materials. Composites Part B: Engineering, 133: 15-25. https://doi.org/10.1016/j.compositesb .2017.09.005
[15] Babu, N.G., Siddiraju, S. (2016). An experimental study on strength and fracture properties of self healing concrete. International Journal of Civil Engineering and Technology, 7(3): 398-406.
[16] Xu, J., Wang, X.Z. (2018). Self-healing of concrete cracks by use of bacteria-containing low alkali cementitious material. Construction and Building Materials, 167: 1-14. https://doi.org/10.1016/j.conbuildmat.2018.02.020
[17] Vashisht, R., Attri, S., Sharma, D., Shukla, A., Goel, G. (2018). Monitoring biocalcification potential of Lysinibacillus sp. isolated from alluvial soils for improved compressive strength of concrete. Microbiological Research, 207: 226-231. https://doi.org/10.10 16/j.micres.2017.12.010
[18] Singh, N., Ahmad, J., Mir, S.S. (2018). Assessment of ureolytic bacteria for self-healing concrete. International Journal of Recent Scientific Research, 9(3J): 25350-25355. https://doi.org/10.24327/ ijrsr. 2018.0903.1943
[19] Xu, J., Wang, X.Z., Zuo, J., Liu, X. (2018). Self-healing of concrete cracks by ceramsite-loaded microorganisms. Advances in Materials Science and Engineering, 2018: 1-8. https://doi.org/10.1155/2018/5153041
[20] Durga, C.S.S., Ruben, N. (2018). A review of the mechanical behavior of substitution materials in self-healing concrete. Lecture Notes in Civil Engineering. Sustainable Construction and Building Materials, 135-144. https://doi.org/10.1007/978-981-13-3317-0_12
[21] Durga, C.S.S., Ruben, N., Chand, M.S.R., Venkatesh, C. (2019). Performance studies on rate of self healing in bio concrete. Materials Today: Proceedings. https://doi.org/10.1016/j.matpr.2019.09.151
[22] Ducasse-Lapeyrusse, J., Gagné, R., Lors, C., Damidot, D. (2017). Effect of calcium gluconate, calcium lactate, and urea on the kinetics of self-healing in mortars. Construction and Building Materials, 157: 489-497. https://doi.org/10.1016/j.conbuildmat.2017.09.115
[23] Araújo, M., Chatrabhuti, S., Gurdebeke, S., Alderete, N., Tittelboom, K.V., Raquez, J., Gruyaert, E. (2018). Poly (methyl methacrylate) capsules as an alternative to the proof-of-concept glass capsules used in self-healing concrete. Cement and Concrete Composites, 89: 260-271. https://doi.org/10.1016/j.cemconcomp.2018.02.015
[24] Dong, B.Q., Ding, W.J., Qin, S.F., Han, N.X., Fang, G.H., Liu, Y.X., Hong, S.X. (2018). Chemical self-healing system with novel microcapsules for corrosion inhibition of rebar in concrete. Cement and Concrete Composites, 85: 83-91. https://doi.org/10.1016/j.cemconcomp.2017.09.012
[25] Heede, P.V., Belleghem, B.V., Araújo, M.A., Feiteira, J., Belie, N.D. (2018). Screening of different encapsulated polymer-based healing agents for chloride exposed self-healing concrete using chloride migration tests. Key Engineering Materials, 761: 152-158. https://doi.org/10.4028/www.scientific.net/KEM.761.152
[26] Mauludin, L.M., Zhuang, X., Rabczuk, T. (2018). Computational modeling of fracture in encapsulation-based self-healing concrete using cohesive elements. Composite Structures, 196: 63-75. https://doi.org/10.1016 /j.comp struct. 2018.04.066
[27] Fang, G., Liu, Y., Qin, S., Ding, W., Zhang, J., Hong, S., Xing, F., Dong, B. (2018). Visualized tracing of crack self-healing features in cement/microcapsule system with X-ray microcomputed tomography. Construction and Building Materials, 179: 336-347. https://doi.org/10.1016/j.conbuildmat.2018. 05.193
[28] Durga, C., Ruben, N. (2019). Assessment of various self healing materials to enhance the durability of concrete structures. Annales De Chimie - Science Des Matériaux, 43(2): 75-79. https://doi.org/10.18280/acsm.430202
[29] Venkatesh, C., Chand, M., Nerella, R. (2019). A state of the art on red mud as a substitutional cementitious material. Annales De Chimie - Science Des Matériaux, 43(2): 99-106. https://doi.org/10.18280/ acsm.430206
[30] Venkatesh, C., Mohiddin, S.K., Ruben, N. (2018). Corrosion inhibitors behaviour on reinforced concrete - A review. Lecture Notes in Civil Engineering. Sustainable Construction and Building Materials, 127-134. https://doi.org/10.1007/978-981-13-3317-0_11
[31] Venkatesh, C., Ramanjaneyulu, V., Reddy, K., Durga, C., Sathish, P. (2019). A pilot strength studies on granite powder and silica fume based concrete. International Journal of Innovative Technology and Exploring Engineering, 8(7): 2278-3075.
[32] Sundari, K., Ramanjaneyulu, V., Praneetha, C., Venkatesh, C., Sathish, P. (2019). Influence of Br-Mk blend on micro structure, workability and mechanical properties of concrete. International Journal of Innovative Technology and Exploring Engineering, ISSN: 2278-3075, 8(8).
[33] IS:269-2015. (2015). Ordinary portland cement-Specification. Bureau of Indian Standards, New Delhi.
[34] IS:383-2016. (2016). Coarse and fine aggregate for concrete – specification. Bureau of Indian Standards, New Delhi.
[35] IS:2386-1963. (1963). Methods of test for aggregates for concrete. Bureau of Indian Standards, New Delhi.
[36] IS:456-2000. (2000). Plain and reinforced concrete - code of practice. Bureau of Indian Standards, New Delhi.
[37] IS:10262-2019. (2019). Concrete mix proportioning – guidelines. Bureau of Indian Standards, New Delhi.
[38] IS:9013-1978. (1978). Method of making, curing and determining compressive strength of accelerated-cured concrete test specimens. Bureau of Indian Standards, New Delhi.
[39] IS:516-2013. (2013). Methods of tests for strength of concrete. Bureau of Indian Standards, New Delhi.
[40] IS:516-1959. (1959). Methods of tests for strength of concrete. Bureau of Indian Standards, New Delhi.