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Qualifications

Civil Engineering, Master, Shear strength of fiber reinforced deep beams, University of Surrey
Award Date: 25 Nov 2015

Civil Engineering, Bachelor, University of Al-Qadisiya
Award Date: 1 Jul 2012

Research outputs

Structural behavior of RC jointed beams using recycled steel fiber and hybrid dowel bars: Structural behavior of RC jointed beams using recycled steel fiber and hybrid dowel bars

Naser, M. H., Naser, F. H., Almamoori, A. H., Hussien, M. L. & Dhahir, M. K., 28 Feb 2024, (Accepted/In press) In: Journal of Building Pathology and Rehabilitation. 9, 24 p., 42.

Development of expansive concrete for chemical prestressing applications

Dhahir, M. K. & Marx, S., Dec 2023, In: Case Studies in Construction Materials. 19, e02611.

Developing the chemical prestressing technology for textile carbon reinforced concrete

Dhahir, M. K., Kalthoff, M., Neef, T., Friese, D., Beckmann, B., Cherif, C., Matschei, T., & 2 othersMechtcherine, V. & Marx, S., 1 Jun 2023, *Building for the Future: Durable, Sustainable, Resilient*. Ilki, A., Çavunt, D. & Çavunt, Y. S. (eds.). p. 1428–1438 11 p.

Multiscale soft computing-based model of shear strength of steel fibre-reinforced concrete beams

Alzabeebee, S., Al-Hamid, R. K. S., Nassr, A., Kareem, M. & Keawsawasvong, S., Jan 2023, In: Innovative Infrastructure Solutions. 8, 1, 12 p., 63.

Chemical prestressing of concrete structures; state of the art review

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Predictive model for the shear strength of concrete beams reinforced with longitudinal FRP bars

Alzabeebee, S., Dhahir, M. K. & Keawsawasvong, S., 25 Oct 2022, In: Structural Engineering and Mechanics. 84, 2, p. 143-154 12 p.

Repairing half-loaded flat slabs against punching shear using steel stiffeners

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An efficiency factor for the bottle shaped concrete strut in deep beams reinforced with longitudinal FRPs bars

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Tensile behavior of fiber reinforced cement mortar using wastes of electrical connections wires and galvanized binding wires

Naser, M. H., Naser, F. H. & Dhahir, M. K., 20 Dec 2020, In: Construction and Building Materials. 264, 120244.

Utilization of high volume fraction of binary combinations of supplementary cementitious materials in the production of reactive powder concrete

Nasr, M. S., Hasan, Z. A., Abed, M. K., Dhahir, M. K., Najim, W. N., Shubbar, A. A. & Habeeb, Z. D., 14 Dec 2020, In: Periodica Polytechnica. Civil Engineering. 65, 1, p. 335-343 9 p.

Effect of section shape on the behaviour of thin walled steel columns filled with light weight aggregate concrete:

Experimental investigation

Almamoori, A. H. N., Naser, F. H. & Dhahir, M. K., Dec 2020, In: Case Studies in Construction Materials. 13, e00356.

Influence of web reinforcement on strength of bottle- shaped strut in concrete deep beams

Dhahir, M. K. & Nadir, W., Aug 2020, In: ACI structural journal. 117, 4, p. 223-232 10 p.

Laboratory evaluation of Iraqi asphalt mixtures containing aspha-min as warm mixture additive

Obaid, H. A., Radi, Q. S. & Dhahir, M. K., 1 May 2020, In: International Journal of Pavement Research and Technology. 13, 3, p. 263-268 6 p.

Influence of Incinerated and Non-Incinerated waste paper on Properties of Cement Mortar

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Effect of using different types of reinforcement on the flexural behavior of ferrocement hollow core slabs embedding PVC pipes

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A compression field based model to assess the shear strength of concrete slender beams without web reinforcement

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Utilization of dates palm kernel in high performance concrete

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Strut and tie modeling of deep beams shear strengthened with FRP laminates

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Influence of soil liquefaction on the structural performance of bridges during earthquakes: Showa Bridge as a case study

Dhahir, M. K., Nadir, W. & Rasool, M. H., 2018, In: International Journal of Engineering & Technology. 7, p. 146-152

Shear strength of FRP reinforced deep beams without web reinforcement

Dhahir, M. K., 1 Apr 2017, In: Composite structures. 165, p. 223-232 10 p.

Shear strength of steel fibers reinforced deep beams

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