



### 1. Name and Academic Rank:

Jamal Khatib (Professor)

### 2. Education: Degrees, Discipline, Institution and Date:

- Ph.D., Civil Engineering, University of Aberdeen, 1999
- M.Sc., Structural Engineering, University of Liverpool,
- B.Sc., Beirut Arab University, 1989

### 3. Work experience

- Beirut Arab University, (Structural Analysis)
- University of Wolverhampton
- Sheffield Hallam University
- University of South Wales
- University of Aberdeen

### 4. Honors and Awards:

- Award
- 2001**      **Honorary Professor** - Awarded by the Inner Mongolia University of Science and Technology, China
- 2015**      **Visiting Professor** – University of La Rochelle, France, June/July 2015
- 2018**      **Visiting Professor** – Shanghai Jin Tao University, China
- 1999      Sandberg Challenge **National trophy**: Ranked 2<sup>nd</sup> in a national competition to produce high strength concrete; beaten for 1<sup>st</sup> place by University College London. Featured in the New Civil Engineer Magazine
- 2000      Sandberg Challenge **National trophy**: Ranked 2<sup>nd</sup> in a national competition to produce high strength concrete; beaten for 1<sup>st</sup> place by University College London. Featured in Institution of Structures Journal.  
<http://www.istructe.org/thestructuralengineer/files/se/SE142001.pdf>
- 2008      Prof Khatib's name was included in the **Marquis' Who is Who** in the world.
- 2012      **Nominated for the Students' Union Teaching Award** - UoW (3 May 2012)
- 2014      **Nominated for the Students' Union Teaching Award** – Category: Inspirational Lecturer - UoW (April 2014)
- 2014      **Nominated for the Students' Union Teaching Award** – Category: Outstanding Lecturer - UoW (April 2014)

### 5. Service activities

- Member
- 2010**      **Chartered Engineer (CEng)**, Member of the Institution of Civil Engineers (MICE) - UK.
- 2016**      **Fellow** of the Institution of Civil Engineer (**FICE**) - UK
- 2007**      **Fellow** of the Higher Education Academy (**FHEA**) - UK.

### 6. Research Interests

- Sustainable Construction
- Structural/construction Materials
- Utilization of waste in construction
- Structural performance

### 7. International Scientific Activities and Research Cooperation

- Established research links with many countries including: China, Algeria, India, Australia, Libya, Kazakhstan, Turkey, Austria, Nigeria, Malaysia, France, Portugal, Bangladesh, Finland, Iraq, Sweden, Slovenia, South Africa, Spain, and Ukraine



- Research grants/projects include:

1. **2015:** Awarded an MSc Research Grant by the **Institution of Structural Engineers** on “Enhancing the flexural capacity of reinforced concrete beams made with recycled lightweight aggregates using carbon fibre”, (one of four awarded nationally). £500.  
<http://www.istructe.org/education/scholarships-grants-and-bursaries/msc-research-grants>
2. 2014-2015: (Lead Coordinator) British Council Award (Project No: 150778454) (£44,200): Newton-Al-Farabi Partnership Programme- British Council Researcher Links Programme. “Utilisation and Treatment of wastes arising from mining activities, oils and other Industries: a) Mining solid wastes; b) Mining waste water; c) Oil and Gas industry waste; d) Coal power station wastes; e) Cement manufacture waste and e) Food waste”, held between 27-31Jan15, University of Wolverhampton, Satpayev KazNTU & Al-Farabi Universities.  
<http://www.britishcouncil.org/education/science/current-opportunities/kazakhstan-workshop-waste>
3. 2013-2014: (Lead Investigator) British Council Award (TR/012012/KP04) (£5,000): UK-Turkey HE Partnership Programme. “Reducing Energy Requirements in Construction by Using Industrial By-Products”. University of Wolverhampton and Sakarya University.
4. **2012-2013:** Awarded a Research Grant by the **Institution of Structural Engineers** on “Influence of shredded waste plastic on flexural performance of reinforced concrete beams” (one of ten awarded nationally). £800.  
[http://www.istructe.org/knowledge/topic\\_areas/research/pages/undergraduateresearchgrants.aspx](http://www.istructe.org/knowledge/topic_areas/research/pages/undergraduateresearchgrants.aspx)
5. 2012-2013: (Lead Investigator) British Council Award (TR/012012/KP04) (£15,900): UK-Turkey HE Partnership Programme. “Reducing Energy Requirements in Construction by Using Industrial By-Products”. University of Wolverhampton and Sakarya University.
6. 2013-2015: (Lead Investigator) European Research proposal - FW/JR rea.p.2(2011) – Marie Curie Action- International Incoming Fellow (IIF)- IIF – Proposal Number 300427 – Project Acronym: ProSec. Call identifier: FP7-PEOPLE-2011-Value €279,000. Contract has been signed (Score 90.5/100)

## 8. National Research Cooperation

## 9. Principal publications and presentations:

### 9.1 Journal Publications (last 3 years)

1. G True, D Searle, **J M Khatib (2015)**, “Digital imaging 2D and 3D particle assessment using a flat-bed scanner, *Magazine of Concrete Research*, Vol. 67, No. 19, pp 1033-1047. DOI: [10.1680/macr.14.00352](https://doi.org/10.1680/macr.14.00352)
2. M. Sonebi, E. Garcia-Taengua, K.M.A. Hossain, **J. M. Khatib**, M. Lachemi (2015), “Effect of nanosilica addition on the fresh properties and shrinkage of mortars with fly ash and superplasticizer”, *Construction and Building Materials Journal*, 1 June 2015, Vol 84, pp 269-276; doi:[10.1016/j.conbuildmat.2015.02.064](https://doi.org/10.1016/j.conbuildmat.2015.02.064)
3. E. Garcia-Taengua, M. Sonebi, K.M.A. Hossain, M. Lachemi, **J. M. Khatib (2015)**, “Effects of the addition of nanosilica on the rheology, hydration and development of compressive strength of cement mortars”, *Journal-Composites Part B: Engineering*, Vol. 81, pp 120-129. doi:[10.1016/j.compositesb.2015.07.009](https://doi.org/10.1016/j.compositesb.2015.07.009)
4. O Ahiakwo, D Oloke, S Suresh, **J M Khatib (2015)**, “Implementing the last planner™ system in a road construction project in Nigeria”, *Built Environment Journal*, Vol 12, No. 2, July, pp 33-49, ISSN 1675-5022
5. C. Egenti, **J. M. Khatib (2015)**. “Behaviour of Shelled Compressed Earth Masonry Unit under Load”. *International Journal of Civil and Structural Engineering Research*, Vol 3, No. 2, pp 70-73. <http://www.researchpublish.com/download.php?file=Behaviour%20of%20Shelled-2537.pdf&act=book>.
6. **J M Khatib**, L Wright, P S Mangat (2016), “Mechanical and physical properties of concrete containing FGD waste”, *Magazine of Concrete Research*, Vol 68, Issue 11, 1June2016, pp 550-560, ICE Publishing, DOI: [10.1680/macr.15.00092](https://doi.org/10.1680/macr.15.00092) ISSN: 00249831
7. S Adu-Amankwah, **J M Khatib**, D E Searle, L Black (2016), “Effect of synthesis parameters on the performance of alkali-activated non-conformant EN 450 Pulverised Fuel Ash”, *Construction and Building Materials Journal*, 15 Sept 2016, Vol 121, pp. 453-459, ISSN 0950-0618,
8. **Kangkang Tang, Jamal Khatib, Greg Beattie (2017)**, “Effect of partial replacement of cement with slag on the early-age strength of concrete”, *Proceedings of the Institution of Civil Engineers - Structures and Buildings*, Vol 170, Issue 6, June 2017, pp. 451-461, E-ISSN 1751-7702, DOI: [10.1680/jstbu.16.00038](https://doi.org/10.1680/jstbu.16.00038),
9. Alaa Hamood, **Jamal M Khatib**, Craig Williams (2017), “The effectiveness of using raw sewage sludge (RSS) as a water replacement in cement mortar mixes containing uprocessed fly ash (u-FA)”, *Construction and Building Materials Journal*, Vol 147, 30 Aug 2017, pp 27-34, <http://dx.doi.org/10.1016/j.conbuildmat.2017.04.159>
10. S Firat, **J M Khatib**, G Yilmaz, A T Comert (2017), “Effect of curing time on selected properties of soil stabilized with fly ash, marble dust and waste sand for road sub-base”, *Waste Management & Research journal*, WMR-17-0022.R1, Publication date: 12 June 2017, SAGE Publications, Pages 0734242X17705726, Vol 35, Issue 7, pp 747-756. DOI: <https://doi.org/10.1177/0734242X17705726>



## 9.2 Papers Book Section

1. Z. U. Myrkhalykov, **J M Khatib**, M Othman (Editors) (2015), International Conference of Industrial Technologies and Engineering (ICITE 2015), Shymkent, Kazakhstan, M. Auezov South Kazakhstan State University, 30-31 October 2015, ISBN: 978-99-65-03-397-1 <http://icite.ukgu.kz/content/editors>
2. **J M Khatib (2016) (Editor)** "Sustainability of Construction Materials", Book, Elsevier Publishing Limited, England, 2<sup>nd</sup> Edition, August 2016. [ISBN 9780081009956]
3. **J M Khatib (2016)**, "Introduction" Chapter 1 in "Sustainability of Construction Materials", Khatib J M (Editor), Elsevier Publishing Limited, Cambridge, England, 2<sup>nd</sup> Edition, August 2016, pp 1-11.
4. R F W Boarder, P L Owens, **J M Khatib (2016)**, "The sustainability of lightweight aggregates manufactured from clay wastes for reducing the carbon footprint of structural and foundation concrete" Chapter 10 in "Sustainability of Construction Materials", Khatib J M (Editor), Elsevier Publishing Limited, Cambridge, England, 2<sup>nd</sup> Edition, August 2016, pp 209-244. [ISBN 9780081009956]

## 9.3 Conference Proceedings

1. L. Dvorkin, N. Lushnikova, M. Sonebi, **J. Khatib (2017)**, "Properties of Modified Phosphogypsum Binder", Proceedings of the 2nd International Conference on Bio-Based Building Materials (ICBBM 2017) & 1st Conference on Ecological valorisation of Granular and Fibrous materials (EcoGRAFI), Editor: S Amziane & M Sonebi, Associate editor: K Charlet, 21-23 June 2017, Clermont Ferrand, France, RILEM Publications S.A.R.L., pp 97-103, e-ISBN: 978-2-35158-192-6, <http://www.rilem.net> E-mail: [dg@rilem.net](mailto:dg@rilem.net); <https://sites.google.com/site/icbbmecografi2017/home>
2. L. Dvorkin, N. Lushnikova, M. Sonebi, **J. Khatib (2017)**, "Light-Weight Claydite and Sawdust and Sawdust Concrete Based on Supersulphated Cement", Proceedings of the 2nd International Conference on Bio-Based Building Materials (ICBBM 2017) & 1st Conference on Ecological valorisation of Granular and Fibrous materials (EcoGRAFI), Editor: S Amziane & M Sonebi, Associate editor: K Charlet, 21-23 June 2017, Clermont Ferrand, France, RILEM Publications S.A.R.L., pp 279-283, e-ISBN: 978-2-35158-192-6, <http://www.rilem.net>
3. O M Okeyinka, D A Oloke, **J M Khatib (2017)**, Characteristics of the Fresh Mixture of a Novel Cement-less Wastepaper-based Lightweight Block (CWLb) and Its Molding Processes. 9th Biennial International Structural Engineering and Construction Conference (ISEC-9), Resilient Structures and Sustainable Construction, Eds. Pellicer, et al., 24-29 July 2017, Valencia Spain. ISEC Press, ISBN: 978-0-9960437-4-8; doi: 10.14455/ISEC.res.2017.103
4. S. O. Nwaubani, **J. M. Khatib (2017)**, "The influence of chemical and thermal activation on the strength of high volume fly ash concrete", 1st International Turkish World Engineering and Science Congress in Antalya, 7-10 December 2017, Turkey, Editors: Fırat S, Şahin I, Fındık T, Yıldırım S, Gülsün U M, pp500-506, ISBN: 978-975-93505-7-4,
5. Leonid Dvorkin, Nataliya Lushnikova, Oleksandr Bezusyak , Mohammed Sonebi, **Jamal Khatib (2018)**, "Hydration characteristics and structure formation of cement pastes containing metakaolin Leonid", MATEC Web of Conferences 149, 01013 (2018) <https://doi.org/10.1051/mateconf/201814901013> CMSS-2017, pp1-8, [https://www.matec-conferences.org/articles/mateconf/pdf/2018/08/mateconf\\_cmss2018\\_01013.pdf](https://www.matec-conferences.org/articles/mateconf/pdf/2018/08/mateconf_cmss2018_01013.pdf)