

## Publications

### Architectural Engineering

#### Year 2021

##### Journals

1. Raveendran, R.; Tabet Aoul\*, K.A.; (2021), A Meta-Integrative Qualitative Study on the Hidden Demerits of Smart Buildings and their Associated Impacts on Humans and Environment; Accepted; *Buildings*, 2021,11, 251.
2. Bakri, T.; Tabet Aoul\*, K.A.; (2021), Exploring Children's Experiences & Preferences of Natural Elements in a School Environment under Hot Climate; Accepted; *International Journal of Environmental Research and Public Health*, 2021
3. Tabet Aoul\*, K.A.; Hagi, R.; Abdelghani, R.; Syam, M.; Akhozheya, B. (2021), Building Envelope Thermal Defects in Existing and Under-Construction Housing in the UAE; Infrared Thermography Diagnosis and Qualitative Impacts Analysis. *Sustainability* 2021, 13, 2230  
<https://doi.org/10.3390/su13042230>
4. Kim, Y.K.; Bande, L.; Tabet Aoul, K.A.; Altan, H. (2021), Dynamic Energy Performance Gap Analysis of a University Building: Case Studies at UAE University Campus, UAE. *Sustainability* 2021, 13, 120.
5. Tabet Aoul KA, Hasan A, Dakheel JA. (2021), Assessment of Solar Dehumidification Systems in a Hot Climate. *Sustainability*. 2021; 13(1):277
6. Galal Ahmed, K., Alipour, S.M.H. (2021) More Dense But Less Walkable: The Impact of Macroscale Walkability Indicators on Recent Designs of Emirati Neighborhoods. *City, Territory & Architecture*, Vol 8, No.12. <https://doi.org/10.1186/s40410-021-00140-3>
7. Galal Ahmed, Khaled (2021) "When Parallel Lines Meet": Realizing Socially Resilient Public Housing through Reconciling Formal and Informal Practices in the UAE. *Journal of Architectural Engineering*, Vol.27, No.3. DOI: 10.1061/(ASCE)AE.1943-5568.0000482
8. Alipour, S.M.H., Galal Ahmed, K. (Corresponding author) (2021) Assessing the effect of urban form on social sustainability: a proposed 'Integrated Measuring Tools Method' for urban neighborhoods in Dubai. *City, Territory & Architecture* 8, 1. <https://doi.org/10.1186/s40410-020-00129-4>
9. Galal Ahmed, Khaled (2021) From 'Orthogonal' Sprawl to 'Curvilinear' Dense: Assessing Accessibility Indices for Urban Networks of Social Housing in UAE. *IOP Conference Series Materials Science and Engineering*, 1203(2):022066, DOI: [10.1088/1757-899X/1203/2/022066](https://doi.org/10.1088/1757-899X/1203/2/022066)
10. Impact of dynamic thermal conductivity change of EPS insulation on temperature variation through a wall assembly M Khoukhi, S Abdelbaqi, A Hassan, A Darsaleh Case Studies in Thermal Engineering 25, 100917.
11. Thermal Characterization of a New Bio-Based Insulation Material Containing Puffed Rice M Khoukhi, A Dar Saleh, A Hassan, S Abdelbaqi, *Energies* 14 (18), 5700
12. Fault diagnostic methodologies for utility-scale photovoltaic power plants: A state of the art review Q Navid, A Hassan, AA Fardoun, R Ramzan, A Alraeesi *Sustainability* 13 (4), 1629
13. Development and Mechanical Testing of Porous-Lightweight Geopolymer Mortar G Qadir, Y Rashid, A Hassan, E Mahmoud Vall, S Saleh, K Salim *Buildings* 11 (1), 1
14. Tabet Aoul KA, Hasan A, Dakheel JA. (2021), Assessment of Solar Dehumidification Systems in a Hot Climate. *Sustainability*. 2021; 13(1):277
15. **M. Khoukhi\***, A. Dar Saleh, A. Hassan and S. Abdelbaqi. "Thermal Characterization of a New Bio-Based Insulation Material Containing Puffed Rice". *Energies*, 2021, 14, 5700. (Q1).

## Year 2021

16. **M. Khoukhi\***, S. Abdelbaqi, A. Hassan and A. Darsaleh. “Impact of dynamic thermal conductivity change of EPS insulation on temperature variation through a wall assembly”. *Case Studies in Thermal Engineering*, 25, 2021, 100917. (Top 10%)
17. A. Shibeika, **M. Khoukhi\***, O. Al Khatib, N. Alzahmi, S. Tahnoon, M. Al Dhahri and N. Alshamsi. “Integrated Design Process for High-Performance Buildings; a Case Study from Dubai”. *Sustainability* 2021, 13(15), 8529. (Q1).
18. **M. Khoukhi\*** and O. Al-Khatib. “Performance of Desiccant-Based Cooling Systems in Hot-Humid Climates: A Review”. *Energy Engineering*, 2021, Vol.118, No.4, pp.875-909. (Q3).
19. **M. Khoukhi**. “Assessment of General Engineering Courses in the UAE University and Recommendation Actions for Improvement”, PUPIL: *International Journal of Teaching, Education and Learning* (ISSN 2457-0648), Volume 5 Issue 2, pp. 33-43, 2021.
20. **M. Khoukhi**. “Assessment of Two Engineering Courses Taught as a Part of the Architectural Engineering Program at the UAE University Based on the Comparison of the Students’ Academic Results with their and the Instructors’ Expectations”, *World Journal of Education*, Vol.11, No.4, pp.1-8, 2021.
21. Al Qadi, A.N.S., Khedaywi, T.S., Haddad, M.A., Al-Rababa'ah, O.A. (2021). Investigating the effect of olive husk ash on the properties of asphalt concrete mixture. *Annales de Chimie - Science des Matériaux*, Vol. 45, No. 1, pp. 11-15. <https://doi.org/10.18280/acsm.450102>
22. Khedaywi, T.S., Haddad, M.A., Al Qadi, A.N.S., Al-Rababa'ah, O.A. (2021). Investigating the effect of addition of olive husk ash on asphalt binder properties. *Annales de Chimie - Science des Matériaux*, Vol. 45, No. 3, pp. 239-243. <https://doi.org/10.18280/acsm.450307>
23. A. Shibeika, M. Khoukhi, O. Al Khatib, N. Alzahmi, S. Tahnoon, M. Al Dhahri and N. Alshamsi. “Integrated Design Process for High-Performance Buildings; a Case Study from Dubai”. *Sustainability* 2021, 13(15), 8529.
24. M. Khoukhi\* and O. Al Khatib. “Performance of Desiccant-Based Cooling Systems in Hot-Humid Climates: A Review”. *Energy Engineering*, 2021, Vol.118, No.4, pp.875-909.
25. Muneeb A, Shafiq, M. T., (2021) Evaluating 4D-BIM and VR for Effective Safety Communication and Training: A Case Study of Multilingual Construction Job-site Crew, Buildings, MDPI. <https://www.mdpi.com/2075-5309/11/8/319>
26. Idrees, S. and Shafiq, M. T. (2021). Factors for Time and Cost Overrun in Public Projects. *Journal of Engineering, Project, and Production Management*, 11(3), 243-254.
27. <https://doi.org/10.2478/jepm-2021-0023>
28. Afzal M, Shafiq M T ,Jassmi H A (2021). Improving construction safety with virtual-design construction technologies – a review, *ITcon* Vol. 26, pg. 319-340, <https://doi.org/10.36680/j.itcon.2021.018>
29. Shafiq, M. T., (2021) Client driven Level 2 BIM application: A Case Study, *Journal of open construction and building technology*, Volume 15, pg 129-140.
30. <https://openconstructionbuildingtechnologyjournal.com/VOLUME/15/PAGE/129/>
31. Sami Ur Rehman, M., Shafiq M.T., Afzal, M (2021) Impact of COVID-19 on project performance in the UAE construction industry, *Journal of Engineering, Design and Technology*, Emerald. Volume: 19 Issue: 2.
32. Albattah, M, Attoye, D.E. (2021). “A Quantitative Investigation on Awareness of Renewable Energy Building Technology in The United Arab Emirates.” *Sustainability*, 13(12), 6665.

## Year 2021

33. Bande, L., Alshamsi, A., Alhefeiti, A., Alderei, S., Shaban, S., Albattah, M., & Scoppa, M. D. (2021). "Parametric Design Structures in Low Rise Buildings in Relation to the Urban Context in UAE." *Sustainability*, 13(15), 8595.
34. Bande L., Alshamsi A., Alhefeiti A., Alderei S., Shaban S., Albattah M., D. Scoppa M., Outdoor Thermal Comfort Study On a District Level as part of the Housing Programs in Abu Dhabi and Al Ain, United Arab Emirates. *Sustainability* 2021, 13(15), 8595
35. Bande L., Adan R., Young K., Ghazal R., Jha M., Aldarmaki A., Aldhaheri A., Alneyadi A.; Aldhaheri Sh., and Khalifa M., Outdoor Thermal Comfort Study On a District Level as part of the Housing Programs in Abu Dhabi and Al Ain, United Arab Emirates. *Land* 2021, 10(3), 264.
36. Young K., Bande L., Aoul K., Altan H., Dynamic Energy Performance Gap Analysis of a University Building: Case Studies at UAE University Campus, UAE. *Sustainability* 2021, 13(1), 120.
37. Lindita Bande, Rahma Adan, Kim Young, Raghad Ghazal, Mukesh Jha, Amna Aldarmaki, Atmah Aldhaheri, Asma Alneyadi, Sharina Aldhaheri and Mira Khalifa (2021) "Outdoor Thermal Comfort Study on a District Level as Part of the Housing Programs in Abu Dhabi and Al Ain, United Arab Emirates" *Land, MDPI, Open Access Journal, March 2021* 10
38. Kim, Y.K.; Bande, L.; Tabet Aoul, K.A.; Altan, H. (2021), Dynamic Energy Performance Gap Analysis of a University Building: Case Studies at UAE University Campus, UAE. *Sustainability* 2021, 13, 120.
39. Scoppa M., Anabtawi R. 2021. Connectivity in superblocks street networks: Measuring distance, directness, and the diversity of pedestrian paths. *Sustainability*, forthcoming.
40. Bande, L., Alshamsi, A., Alhefeiti, A., Alderei, S., Shaban, S., Albattah, M. and Scoppa, M.D., 2021. Parametric Design Structures in Low Rise Buildings in Relation to the Urban Context in UAE. *Sustainability*, 13(15), p.8595.
41. Alawadi, K., Hong Nguyen, N., Alrubaei, E. and Scoppa, M., 2021. Streets, density, and the superblock: neighborhood planning units and street connectivity in Abu Dhabi. *Journal of Urbanism: International Research on Placemaking and Urban Sustainability*, pp.1-28.
42. Elnabawi, M. H. (2021). "Evaluating the Impact of Energy Efficiency Building Codes for Residential Buildings in the GCC" *Energies* 14, no. 23: 8088. <https://doi.org/10.3390/en14238088>
43. Elnabawi, M.H., & Saber, E. (2021). Reducing carbon footprint and cooling demand in arid climates using an integrated hybrid ventilation and photovoltaic approach. *Environment, Development and Sustainability*, 1 - 23. <https://doi.org/10.1007/s10668-021-01571-1>

### Conferences

1. Attoye, D.E., Tabet-Aoul, K.A., Hassan, A. (2021). Stakeholder perceptions of the environmental challenges of BIPV: lessons from the UAE. In proceedings of the 2021 Ecocity World Summit, Rotterdam, September 27-30
2. Syam, M.; Tabet Aoul, K.A. 2021. The Impact of the Economic Factors on Housing Occupants' Motivation to Save Energy in the UAE. In proceedings of the 8<sup>th</sup> Zero Energy Mass Custom International Conference, Dubai, UAE 26-28 October, 2021, p.202.
3. Bark, W.; Tabet Aoul, K.A., Scoppa, M.; 2021. From Work to User-Centered Design of Workplace Environments; a Rapid Literature Review. In proceedings of the 8<sup>th</sup> Zero Energy Mass Custom International Conference, Dubai, UAE 26-28 October 2021, p,324

## Year 2021

4. Attoye, D.; Tabet Aoul, K.A., Hassan, A.; 2021. The Transition to Renewable Energy: Should the Adoption of Innovative Energy Technologies be made Compulsory? In Proceedings of the 8th Zero Energy Mass Custom International Conference, Dubai, UAE 26-28 October 2021, p.597
5. Al Neyadi, M.; Tabet Aoul, K.A.; 2021. Paradigm Shift of Work Mode and the Workplace Design Amid the Pandemic in the UAE. In proceedings of the 8th Zero Energy Mass Custom International Conference, Dubai, UAE 26-28 October 2021, p 647
6. Bakri, T.; Tabet Aoul, K.A. 2021. Exploring Children's Relationship with Natural Elements in Schools under UAE Hot Climatic Conditions; Exploratory Literature Review. In proceedings of the 8th Zero Energy Mass Custom International Conference, Dubai, UAE 26-28 October 2021, p 702.
7. Belakehal, A.; Tabet Aoul, K.A., Bennadji, A.; Benkhalfallah, I.; Bounhas, D.; 2021. Daylight, View and Windows: The Sensorial Based Design of Ottoman-era Religious Buildings.. In proceedings of the 8th Zero Energy Mass Custom International Conference, Dubai, UAE 26-28 October 2021, p 297
8. Raveendran, R.; Tabet Aoul, K.A. 2021. The Proliferation of Electromagnetic Radiation Pollution in Smart Buildings: Role of Building Materials. In proceedings of the 8th Zero Energy Mass Custom International Conference, Dubai, UAE 26-28 October 2021, p 887
9. Haggag, M., Passive Cooling Strategies for High Thermal Performance Buildings in Hot Climate Conference proceedings, ZEMCH 2021 Scopus International Conference, 26-28 October 2021, Dubai. Single author.
10. Haggag, M. and M. Al Neyadi, Assessing the Non-motorized Modes as a Sustainable Transportation Option in the Industrial Area of Al Ain city, UAE, Conference proceedings, ZEMCH 2021 Scopus International Conference, 26-28 October 2021, Dubai. Corresponding author
11. Haggag, M. and D. Alefari, The Impact of Light Rail Transit on the Urban Development in Dubai, UAE, Conference proceedings, ZEMCH 2021 Scopus International Conference, 26-28 October 2021, Dubai. Corresponding author
12. Haggag, M. et al, Sustainable Approach: Smart Grid System Challenges and Opportunities in UAE Building Regulation Codes, Conference proceedings, ZEMCH 2021 Scopus International Conference, 26-28 October 2021, Dubai. Corresponding author.
13. Galal Ahmed, Khaled (2021) From 'Orthogonal' Sprawl to 'Curvilinear' Dense: Assessing Accessibility Indices for Urban Networks of Social Housing in UAE, in the Proceedings of the WMCAUS 2021 6th World Multidisciplinary Civil Engineering, Architecture, and Urban Planning Symposium, 14-18 June, Prague, Czech Republic.
14. Hamdoon, Baraah and Galal Ahmed, Khaled (2021) Towards Socially Sustainable Waterfront Urban Regeneration: The Case of Zayed Port Design, Abu Dhabi, in the Proceedings of the Sustainable City 2021, the 15th International Conference on Urban Regeneration and Sustainability, 5-7 October 2021, online.
15. Galal Ahmed, Khaled and Megahed, Mona (2021) Towards Achieving SDGs in Social Housing in the UAE: From Conventional to BIPV Houses, in the Proceedings of the 8<sup>th</sup> International Conference on Zero Energy Mass Customized Housing - ZEMCH 2021, 20<sup>th</sup> - 28<sup>th</sup> October 2021, Dubai, UAE.
16. **M. Khoukhi**. "Impact of Dynamic Thermal Conductivity Change of EPS Insulation on the Heat Transfer through Building Envelope". Keynote Speaker in *the V-Renewable2021 Renewable and Sustainable Energy Virtual*, **September 24-26, 2021**.

## Year 2021

17. **M. Khoukhi**. “The Effect of Temperature and Moisture Change on the Heat Transfer through Building Envelope”. Keynote Speaker in the *4th Edition of Applied Science, Engineering and Technology Webinar*, **August 20-21, 2021**.
18. A. Dar Saleh, **M. Khoukhi**, and S. Abdelbaqi. “Reducing the Total Energy Consumption of an Existing Office Building through Alternative Construction Parameters”. *Zero Energy Mass Custom Home 2021 International Conference*, **26-28 October 2021, UAE**.
19. M. Rahmani, O. Al Khatib, K. Al Sallal, and **M. Khoukhi**. “Investigate Building Morphology to Self-shade Facades for Energy Reduction in Hot Climates using Thermal Imaging Techniques”. *Zero Energy Mass Custom Home 2021 International Conference*, **26-28 October 2021, UAE**.
20. **M. Khoukhi**. “Impact of Dynamic Thermal Conductivity Change of EPS Insulation on Temperature Variation through a Wall Assembly”. *6th International Conference on Civil, Structural and Transportation Engineering*, virtually on **May 17 – 19, 2021, Canada**.
21. **M. Khoukhi**. “Assessment of General Engineering Courses in Architectural Engineering Program in the UAE University and Recommendation Actions for Improvement”. *3rd ICTEL 2021 – International Conference on Teaching, Education & Learning*, **March 23-24, 2021, Singapore**.
22. **M. Khoukhi**, “Assessment of General Engineering Courses in Architectural Engineering Program in the UAE University and Recommendation Actions for Improvement”, has been presented in *Third ICTEL 2021 – International Conference on Teaching, Education & Learning*, **23-24 March 2021, Singapore**
23. M. Rahmani, O. Al Khatib, K. Al Sallal, and M. Khoukhi. “Investigate Building Morphology to Self-shade Facades for Energy Reduction in Hot Climates using Thermal Imaging Techniques”. *Zero Energy Mass Custom Home*, 26-28 October, 2021.
24. L. Bande, H. Hamad, D. Alqahtani, N. Alnahdi, A. Ghunaim, F. Fikry and O. Alkhatib. “Parametric/Dynamic Façade and Integrated with the Landscape in UAEU Campus”. *Zero Energy Mass Custom Home*, 716-727 October, 2021.
25. Anabtawi, R. and Bleibleh, S. (2021). Achieving social sustainability in public market during the pandemic. The case of Al Ain market, UAE. © 2021 the Creative Commons Attribution (CC BY) license (<http://creativecommons.org/licenses/by/4.0/>). ISSN: 2652-2926
26. Hasan, D. and Bleibleh, S. (2021). Reproduction of The Public Realm: Graffiti Expression Versus Spatial Oppression in Palestine. © 2021 the Creative Commons Attribution (CC BY) license (<http://creativecommons.org/licenses/by/4.0/>). ISSN: 2652-2926
27. Hasan, D. and Bleibleh, S. (2021). Reproduction of the Public Realm: Graffiti Expression Versus Spatial Oppression in Palestine. *Proceedings of EDRA 52 Detroit: Just environments: Transdisciplinary border crossings (2021)*, p.101-107
28. **Muhammad T Shafiq\*\*** and Muneeb Afzal (2021) Potential of Virtual Reality based Application for Students’ Construction Planning, Sequencing, and Safety Planning Performance, ZEMCH 2021, Dubai. 26-28 October 2021
29. Sami Ur Rehman, M., **Shafiq M.T\*** (2021) Identifying the Process for Automated Vision-based Construction Progress Monitoring, ZEMCH 2021 Conference, Dubai, UAE. 26-28 October 2021
30. Abdelmoneim, A., **Shafiq M.T\***, Sami Ur Rehman, (2021) Applications of Digital Twins for Asset Management in AEC/FM Industry – A Literature Review. ZEMCH 2021 Conference, Dubai, UAE. 26-28 October 2021

## Year 2021

31. Agiel, A., Alhosani, S., Aldhaheeri, A. Abdelbaqi, S., Kutty, N., Using Repertory Grid Technique for Assessing Children Attachment to Traditional Architectural Images: Al Ain a Case Study, In Proceedings of the Zero Energy Mass Custom Home 2021 International Conference (ZEMCH). Al Ain, Abu Dhabi, United Arab Emirates: EDP Sciences.26 - 28 Oct 2021
32. Albdour, A., Agiel, A. Ghoudi, A., Assessing Emotional Affordance of the Brand Image and Foreign Image Based on the Emotive Epcoc+ Using Case Studies from Dubai, In Proceedings of the Zero Energy Mass Custom Home 2021 International Conference (ZEMCH). Al Ain, Abu Dhabi, United Arab Emirates: EDP Sciences.26 - 28 Oct 2021
33. Agiel, A., Rahman, R., Bidoun, R., A Scoping Review of Repertory Grid Technique: Advancing its Use in the Built Environment Research, In Proceedings of the Zero Energy Mass Custom Home 2021 International Conference (ZEMCH). Al Ain, Abu Dhabi, United Arab Emirates: EDP Sciences.26 - 28 Oct 2021
34. AlBalkhi, H., Agiel, A., Assessing Perceptions of Autism Spectrum Disorder (ASD) School Children in Al Ain to Artificial Green Elements - A Pilot Study, In Proceedings of the Zero Energy Mass Custom Home 2021 International Conference (ZEMCH). Al Ain, Abu Dhabi, United Arab Emirates: EDP Sciences.26 - 28 Oct 2021
35. Jameel, F., Agiel, A., Using Repertory Grid Technique to Investigate the Impact of Changing University Hostel Function During COVID-19 Pandemic on Students' Well-Being, In Proceedings of the Zero Energy Mass Custom Home 2021 International Conference (ZEMCH). Al Ain, Abu Dhabi, United Arab Emirates: EDP Sciences.26 - 28 Oct 2021
36. AbuNamous, E., and Albattah, M. (2021). "Evaluating the factors that cause cost and time overrun in the residential construction projects in the UAE: Project Manager Perspective." *8th Zero Energy Mass Custom Home International Conference (ZEMCH 2021)*, Dubai, UAE, 26-28 October, 2021.
37. L. Bande, K. Young, A. G. Cabrera, A. Alnuaimi, A. Alsaadi, D. Alqahtani, H. Hamad, K. Alsereidi, and Y. Asmelash, "Sustainability Analysis of a Community Center based on Retrofit Strategies and Re-design thru python tools and local standards, Case Study in Al Ain, Abu Dhabi, United Arab Emirates", ZEMCH 2021, Dubai, 26-28 October, 2021,
38. L. Bande, H. Hamad, D. Alqahtani, N. Alnahdi, A. Ghunaim, F. Fikry and O. Alkhatib, "Design of Library Extension Featuring a Parametric/Dynamic Façade and Integrated with the Landscape in UAEU Campus", ZEMCH 2021, Dubai, 26-28 October, 2021,
39. Albattah, M., Abu Namous, E., Mansour, S., & L. Bande. (2021). Define the End Users Preferences and Issues among Residential Houses in the UAE: Citizens vs. Non-Citizens. In IOP Conference Series: Materials Science and Engineering. Vol. 1044, No. 1, p. 012013.
40. Salama AlGaithi, Young Ki Kim (2021) "Analysis Of Indoor Environment Quality (IEQ) In UAE University Campus Building, UAE", ZEMCH 2021 – Zero Energy Mass Custom Home, 26th – 28th October 2021, Dubai, UAE.
41. Yasmin Abdou, Young Ki Kim (2021) "Investigating Optimal Window-to-Wall Ratio Towards Reducing Cooling Energy Consumption of Offices in the UAE", ", ZEMCH 2021 – Zero Energy Mass Custom Home, 26th – 28th October 2021, Dubai, UAE.
42. Kutty N., Scoppa M. *Resilient Urban Forms: Impact of Urban Morphology Measures on Building Energy Use*. Zero Energy Mass Custom Housing Conference (ZEMCH 2021). Dubai, 27-28 October 2021
43. Bark W., Tabet Aoul K., Scoppa M. *From Work to User-Centered Design of Workplace Environments; a Rapid Literature Review*. Zero Energy Mass Custom Housing Conference (ZEMCH 2021). Dubai, 27-28 October 2021

## Year 2021

44. Rauf, A. and D. Attoye (2021). Life Cycle Energy Analysis of a House in the UAE. 8th Zero Energy Mass Custom Home (ZEMCH) 2021 International Conference. United Arab Emirates University, UAE.
45. Rauf, A. (2021). Role of Building and Material Service Life in Life Cycle Embodied Energy Demand of Buildings. 8th Zero Energy Mass Custom Home (ZEMCH) 2021 International Conference. United Arab Emirates University, UAE.
46. Elnabawi, M.H. Hamza, N. (2021). A Methodology for Generating A Synthetic Local Urban Climate Weather Profile for Building Energy Simulations in Hot Arid Areas In: Building Simulation 2021 Conference. IBPSA 2021, Bruges, Belgium

### *Book Chapters*

1. Hamdoon, Baraah Moutaz and Khaled Galal Ahmed (Corresponding author) (2021) Towards Socially Sustainable Waterfront Urban Regeneration: The Case of Zayed Port Design, Abu Dhabi, in Syngellakis, S. (ed.) WIT Transactions on Ecology and the Environment, Vol 253, pp: 335-346, London: WIT Press. DOI: <https://doi.org/10.2495/SC210281> [ISBN: 978-1-78466-447-3 eISBN: 978-1-78466-448-0].
2. Bleibleh, S. (2021). "Sense of Place between Spatial Justice and Urban Violence in Palestine," in Co. Ed. Raymond, Ch. et al. Changing senses of place in the face of global challenges. Cambridge University Press. ISBN: 9781108477260.
3. Shafiq, M. T., Afzal, M., (2021) Improving Construction Job Site Safety with Building Information Models: Opportunities and Barriers. Book Chapter; Lecture Notes in Civil Engineering, 98, pp. 1014-1036

### *Patents*

#### **Ahmed Hassan**

- Therapeutic method and system for treatment of vitamin D deficiency utilizing a full spectrum of natural solar radiations A Hassan, KAT Aoul, RK Al-Shaali US Patent 11,219,780