

CURRICULUM VITAE

PERSONAL INFORMATION:

NAME : ABDEL WAHID HAGO MOHAMMED
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 DATE OF BIRTH : 1/1/1951
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GOOGLE SCHOLAR:

https://scholar.google.com/citations?view_op=new_articles&hl=en&imq=Abdelwahed+Mohamed&nuan-1=Abdul+Wahid+Hago&nuan-2=Abdel+Wahid+Hago&nuan-3=A.W.Hago#

EDUCATION AND EMPLOYMENT INFORMATION:

- 1976: B.Sc.(Hons) in Civil Engineering, University of Khartoum, Sudan.
- 1982: Ph.D. in Civil Engineering, University of Glasgow, Scotland, U.K.

2011-Date: Associate Professor in Civil Engineering, Sultan Qaboos University, Sultanate of Oman.
 2009-2011: Head of Department of Civil and Architectural Engineering, Sultan Qaboos University
 2004-2009: Associate Professor in Civil Engineering, Sultan Qaboos University, Sultanate of Oman.
 1999-2004: Assistant Professor in Civil Engineering, Sultan Qaboos University, Sultanate of Oman.
 1989-1999: Lecturer in Civil Engineering, Sultan Qaboos University, Sultanate of Oman.
 1993-1995: Associate Professor, Civil Engineering Department, Khartoum University, Sudan (On leave).
 1989-1993: Lecturer in Civil Engineering, University of Khartoum, Sudan (On leave)
 1982-1989: Lecturer in Civil Engineering, University of Khartoum, Sudan.
 1980-1982: Part-time Teaching Assistant, Department of Civil Engineering, University of Glasgow, Scotland U.K.
 1978-1982: Research Student reading for Ph.D. at the University of Glasgow, Scotland U.K.
 1977-1978: Teaching Assistant at the Department of Civil Engineering, University of Khartoum, Sudan.

AWARDS AND RECOGNITION:

- Sudan Engineering Society Prize for the best student in Civil Engineering (1976).
- Ministry of Irrigation Prize for the best student in Irrigation Engineering (1976).

TEACHING:**(A) TEACHING AT THE UNIVERSITY OF KHARTOUM:-**

1. Strength of Materials for second year
2. Introduction to Civil Engineering for second year
3. Theory of Structures I for third year
4. Design of Structures I for third year
5. Structural Analysis II for fourth year
6. Process Equipment Design for third year Chemical
7. Matrix Structural Analysis for M.Sc. Structural
8. The Finite Element Method for M.Sc. Structural
9. Computer Programming (Fortran and Pascal) for M.Sc. Environmental
10. Concrete Technology for fifth year
11. Islamic Studies for students of engineering

(B) TEACHING AT SULTAN QABOOS UNIVERSITY:-

1. Material Science for Semster 5 (CIVL 3026)
2. Construction Materials for Semster 5 (CIVL 3096)
3. Basic Mechanics for semester 5 (CIVL3216)
4. Structures I for Semster 6 (6CIVL 302), and (CIVL 3036)
5. Structures II for Semster 8 (CIVL 4016)
6. Civil Engineering Design for Semster 8 (CIVL 4066)
7. Concrete Structures for Semster 9 and 10 (6CIVL 503)
8. Drawing I for Semester 5 (CIVL 3006)
9. Drawing II for Semester 6 (CIVL 3046)
10. Finite Element method for Semester 10 (CIVL 5256)
11. Concrete Design for Semester 8 (CIVL 4206)
12. Concrete Structures for Semester 9 (CIVL 5096)
13. Surveying for Semester 7 (CIVL 3056)
14. Field Surveying for Semester 7 (CIVL 3000)
15. Field Surveying for Semester 7 (ENGR 3000)
16. Civil Engineering Design Project for Semester 10 (CIVL 5316)
17. Civil Engineering Design Project I for Semester 10 (CIVL 5616)
18. Civil Engineering Design Project II for Semester 10 (CIVL 5626)
19. Supervision of final year projects (Semester 9 and 10)
20. Project I (Design) (CIVL5995) for Semester 9
21. Project II (Design) (CIVL5996) for Semester 10

(C) SUPERVISION OF M.Sc. STUDENTS):-

I supervised the following successful M.Sc. candidates:

1. Hassan Abdel Majid
"Analysis and Design of Networks Using Finite Method", 1987
2. Ali Mohammed Zaidan (Co-Supervisor)
"Waste stablization ponds design parameters", 1988

3. Hussam Ahmed El Wida'a
"Non-Linear Analysis of Reinforced Concrete Beams", 1989
4. El Hussain Ahmed El Hussain El Arabi
"Finite Element and Direct Design Method In Combined Torsion, Bending and Shear of Reinforced Concrete", 1990
5. Juma Sultan Al-Rezaqi
"Estimating Efficiency Factor And Durability For Some Supplementary Cementing Materials (SCMs)", Sultan Qaboos University, 2009

(C) SUPERVISION OF FINAL YEAR PROJECTS:-

Since joining SQU, I used to supervise an average of three final students projects/year.

I supervised group Civil Engineering Design Project in the final year.

I supervised, developed and managed Field Training Survey (CIVL3000) which takes place during winter vacation each year in Al-Khod mountains for Semester 7 students for 10 years.

(D) CURRICULUM DEVELOPMENT AND TEACHING MANAGEMENT

I founded the curricula for the following courses in the department:

CIVL3096 Construction Materials

CIVL5256 Finite Element Method

CIVL5096 Concrete Structures

CIVL4206 Concrete Design

CIVL5995 Project I (Design Project)

CIVL5996 Project II (Design Project)

I helped in setting curricula for many other courses in the department.

(E) STUDENT ADVISING:

1. *Since joining SQU, I used to advice about 20 to 40 students each year as part of my job.*
2. *Was a member of the Pre-specialization Academic Advising Unit (PAAU) with 80 student/per year as advisee for two years.*

(F) TEACHING ACTIVITIES OUTSIDE THE CLASS ROOM

1. *I set up a course on materials for technicians in 1993*
2. *Organized with others a ten-days short course on Hydrology, Data Processing and report writing for engineers from different government Ministries, SQU, Muscat, Jan 2000.*
3. *Teaching Quran classes to children in the campus.*

SERVICE:

UNIVERSITY ADMINISTRATION AND COMMITTEES:

- (a) Member & Coordinator of the Strategic Committee 2011-Date
- (b) Member of the organizing Committee for 5th International Conference on Estuaries and Coasts (ICEC 2015), SQU, held in Nov. 2015.
- (c) Coordinator of Recruitment Committee, 2011-2021.
- (d) Chairman of the College Laboratory Committee 2014-2015.
- (e) Member of Academic Promotion Committee 2009-Date.
- (f) Member & Coordinator of the Industrial Board (IAB) 2008-Date.

- (g) Member of College Pre-Specialization Academic Advising Committee, 2014-2016.
- (h) Member of the Accreditation Committee, 2008-2014.
- (i) Member of College Advising Committee, 2012-2014.
- (j) Member of the Student-Staff Liaison Committee 2012-2013.
- (k) Head of the department of Civil & Architectural Engineering 2009-2011.
- (l) Associate Editor for The Journal of Engineering Research 2012.
- (m) Member of the University IT Committee 2009-2010.
- (n) Member of the organizing Committee for International Conference on Seashore Engineering, SQU, held in Nov. 2010
- (o) Member of the organizing Committee for Fire Safety Engineering Workshop held in SQU, March 2011.
- (p) Was responsible of the development of the Remote Sensing Center during the year 2001/2002, by request of Dean of Engineering.
- (q) Secretary of the Department Board from 1998 to 2009
- (r) Associate Editor for The Journal of Engineering Research 2005.
- (s) Member of the organizing Committee for ICG2000 conference held in March 2000
- (t) Chairman of the College Computer Committee (for 2 years)
- (u) Member of the Web Committee (for 3 years)
- (v) Member of the Publication Committee (For two years)
- (w) Organized a field trip for the students to Al Rusail Industrial Area, and Tannouf dam.
- (x) Translated all official correspondence in the college from Arabic to English for the office of the dean and sometimes from English to Arabic.
- (y) Translated the by-laws of the Engineering Society from Arabic to English.
- (z) Member of the University Translation Committee for 2 years
- (aa) Tested materials for Projects & Maintenance on ad hoc basis

PROFESSIONAL SERVICE:

- (a) Consultation: Ali Alnuaimi, **A.W.Hago**, and Yahia mohamedzein, Ministry of Agriculture and Animal Resources, Evaluation of existing buildings and soil investigation in Rustaq town, Feb. 2019.
- (b) Consultation: Ali Alnuaimi, **A.W.Hago**, and Mobarak Al Alawi, Ministry of Regional Municipalities: Survey of salt-evaporation pits land in Khabora town for a proposed highway road construction, December 2018, 600 RO.
- (c) Consultation: Ali Al-Harthy and **A. W.Hago**, Inspection of HDPE manholes Concerning Court Case No. 454/T/2017, Azri Architect for Amiantit Oman, CR/ENG/CAED/17/08, Aug.-Dec. 2017, 500 RO.
- (d) Consultation: Ali Al-Harthy and **A. W.Hago**, Technical Expert Advise on HDPE manholes Court Case No. 454/T/2017, Al Busaidy, Mansoor Jamal & Co., Barristers & Legal Consultants for Amiantit Oman, CR/ENG/CAED/17/07, SAug.-Dec. 2017, 2500 RO.
- (e) Consultation: Ali Al-Harthy and **A. W.Hago**, Technical Expert Advise on Amiantit RC highway barricades, Al Busaidy, Mansoor Jamal & Co., Barristers & Legal Consultants for Amiantit Oman, CR/ENG/CAED/17/06, Nov. 2017, 1000 RO.
- (f) Consultation: **A.W.Hago**, Mohammed Al Aghbary and Chaham Al Alouch, Investigation of Cracking in Bahwan residential complex in Madinat Qaboos 2016-2017, CR/ENG/CAED/16/03, 30,000 RO.
- (g) Review of the paper for TEJR-Dec 2015, Performance of cement-based patch repair materials in plain and reinforced concrete members.

- (h) Consultation: K.S. Al-Jabri, **A.W.Hago**, Yahia Mohamedzein, A. Sana, Ali Al Harthy, Ali Alnuaimi, Engineering consultancy services for Dry Doc at Duqm Shipyard Area, 2014-2015, CR/ENG/CAED/15/02, 2015-2017, ODC, 150,000 RO.
- (i) Consultation: K.S. Al-Jabri, **A.W.Hago**, Yahia Mohamzein, Investigation of Water Leak in the Basement of the Courts Complex Buildings in Ibri, 2014-2015, CR/ENG/CIVL/14/10, 20,000 RO.
- (j) Consultation: Ali Al-Harthy and **A. W. Hago**, Design & Construction of HDPE Manholes, Amiantit Oman, June 2014.
- (k) Consultation: Precast concrete culverts, Ali Al-Harthy, **A. Hago** and Hossam Hassan, Amiantit Oman, March 2014,
- (l) Consultation: Khalifa Al-Jabri, **A. Hago**, Hossam Hassan and Yahia Mohamedzein, Study of cracks in mass concrete in bridge foundation of Bidbid-Sur Road section 1, Astaldi-Ozkar JV, December-January 2014, 5000 RO.
- (m) Consultation: Ali Al-Harthy, **A. Hago** and Ahmed Sana, Prestressed concrete cylinder pressure pipes, , Amiantit Oman, January 2014.
- (n) Member of the design group for the Eco-house project, Sultan Qaboos University, 2012-2014, 120,000 RO.
- (o) Consultation: Structural Engineer (Team member): **A.W.Hago** and Yahia Mohamedzein, Revision of the Proposed Remedial Measures for the Dry Dock Staff Accommodation Buildings in Duqum, Ministry of Transport, May 2013.
- (p) Consultation: **A.W. Hago** and Ali Al Harthy (Team member), Investigation of the cracking in the pre-stressed electric transmission poles, Oman Euro poles, 2013, 1800 RO.
- (q) Consultation: **A.W.Hago**, Yahia Mohamzein, Investigation of the cracking of the Ministry of Housing Head Quarters Buildings in Ibri, Court case (Team Leader), 2012-2013, 4000 RO.
- (r) Consultation: Ali Al-Harthy, **A.W. Hago**, Investigation of the failure of Sayma Mosque, Court case (Team member), 2010-2011, 5000 RO.
- (s) Part-time Consultant Senior Structural Engineer, Newtech Industrial and Engineering Group, Sudan, 1987-1989.
- (t) Assistant Civil Engineer, Sudan Agricultural Bank, Sudan, 1976-1977.
- (u) Designer of many structural buildings inside and outside Khartoum.
- (v) Consultant to Engineering Consultants (Khartoum) for the design and supervision of Al Affad Oil Mills at El Managil in 1985.
- (w) Consultant to Associated Consultants & Partners (Khartoum) for the Analysis and design of El Obied Water Network Distribution Project in 1986.
- (x) Consultant to Arab Authority for Agricultural Investment and Development for material testing and control for Um Dom Grading and Packing Project in 1986.
- (y) Consultant to Consulting Engineers of Khartoum North for the control and material testing and supervision of El Bagir Mineral Water Project, 1985.
- (z) Consultant to National Police Force Research Unit(Sudan) for modernization of data acquisition and processing.
- (aa) Member of the Technical Committee of the Project Planning Unit of the Ministry of Planning and Finance for the Rehabilitation of Gezira Agricultural Scheme.

SERVICE TO THE PUBLIC:

- (a) Program Evaluator, Department of Civil Engineering, University of Dhofar, Sultanate of Oman, 2013.

- (b) External Examiner to Department of Civil Engineering, University of Khartoum, Sudan, 2013.
- (c) Revised many Standards for the Ministry of Industry and Commerce, Directorate General of Standards.
- (d) Member of the National Omani Committee for Drafting Building Code.
- (e) Member of the Technical Committee for the Conference on the Deterioration of Reinforced Concrete in the Gulf and Methods of Repair, Muscat, 15-17 Dec. 1996.
- (f) Member of the Technical Committee on the Study of the Architecture of Oman organized by Muscat Municipality (together with Dr. Amer Ali Al-Rawas and Dr. Hilal Al-Hinai from SQU).
- (g) Member of the Technical Committee & the Organizing Committee for the Geo-Environment Conference, Sultan Qaboos University, Muscat, March 4-7, 2000
- (h) Member of the Technical Committee to advice on water tanks problems in Royal Marine Base, Ministry of Defense, Oct. 2003.
- (i) Member of the Technical Committee & the Organizing Committee for the Third Gulf Conference On Roads, Sultan Qaboos University, Muscat, 6-8 March 2006.
- (j) Member of the Technical Committee for revising design of schools (Ministry of education).2004.
- (k) Review of Postgraduate program, Department of Civil & Environmental Engineering, University of Dhofar, Salalah, Oman, October 2014.
- (l) Reviewed of paper ACC46499C for : TECHNO Press Journal “Advances in Concrete Construction, *An International Journal*”, September 2014.
- (m) Reviewed of paper JSFE-IW-2012: for the *Journal of Structural Fire Engineering*, December 2012.
- (n) Reviewed of paper ENGE04067 for Engineering Geology Journal: UNFIRED CLAY BRICKS AS A SUSTAINABLE CONSTRUCTION MATERIAL.

SCHOLARLY ACHIEVEMENTS:

Journal Papers:

- 1) Khalifa S. Al-Jabri, Abdul Wahid Hago, Davoud Tavakoli, Muhammad Bilal Waris, Hossam F. Hassan & Yahia Mohamedzein, Investigating thermal cracking in mass concrete of a bridge abutment: field measurements and numerical modelling, *Australian Journal of Civil Engineering*, DOI:10.1080/14488353.2022.2145031, Nov. 2022, <https://doi.org/10.1080/14488353.2022.2145031>
- 2) Khalifa Al-Jabri, **Abdel Wahid Hago**, Saleh Al-Saadi, Patrick Amoatey, Issa Al-Harthy, Structural and thermal performance of sustainable interlocking compressed earth blocks masonry units made with produced water from oilfields, *Elsevier, Case Studies in Construction Materials*, 17, 2022, e01186, Journal homepage: www.elsevier.com/locate/cscm
- 3) Khalifa Al-Jabri, **Abdel Wahid Hago**, Saleh Al-Saadi, Issa Al-Harthy, Patrick Amoatey, Physico-thermal, mechanical, and toxicity properties of stabilized interlocking compressed earth blocks made with produced water from oilfields, *Elsevier Journal of Building Engineering* 42, 2021, 103029.
- 4) Juma Al-Rezaiki, Ali Alnuaimi, **Abdul Wahid Hago**, Efficiency factors of Sarooj and cement kiln dust and their effects on properties of blended concrete, *Applied Clay Science Journal*, Vol 157, 2018, pp51-64.

- 5) Abdullah H. Al-Saidy, **A.W Hago**, Sherif El-Gamal and Majd Dawood, Strengthening of Historical Stone Masonry Buildings using Textile Reinforced Mortar. The Journal of Engineering Research (TJER), Vol.14, No.1, 2017, pp23-38.
- 6) Khalifa S. Al-Jabri, **A. W. Hago**, Mahad Baawain and Gyanendra Sthapit, Development of a New Soil-Cement Block using Produced Water from Oil Fields: a Preliminary investigation, International Journal of GEOMATE, July 2017, Vol.13, Issue 35, pp.66-72.
- 7) Meddah, M.S, Al-Jabri, K, **Hago, A.W** and Al Hinai, A., "Effect of Granular Fraction Combinations on Pervious Concrete Performance," *Materials Today: Proceedings*, V. 4, No. 9, 2017, pp. 9700-9704.
<https://www.sciencedirect.com/science/article/pii/S2214785317310453>
(Indexed in Scopus, IF 1.09). (Elsevier) [Citation- Scopus: 3, Google Scholar: 3].
- 8) Alnuaimi A. S., Al Mohsin M., **Hago A.** and El Gamal S., Overdesign of villa structures in Oman, The Journal of Engineering Research, TJER, Vol.12, No.2, 2016, pp68-76.
- 9) Alnuaimi A.S., **Hago A.W.**, Al-Jabri K.S. and Al-Saidy A.H., Investigation on the flexural behaviour of ferrocement pipes and roof panels subjected to bending moment, Structural Engineering and Mechanics Journal, Vol. 33, No. 4, 2009, pp503-527
- 10) K.S. Al-Jabri; **A.W.Hago**; R. Taha; A.S. Alnuaimi and A.H.Al-Saidy "Characterization of Concrete Blocks of Building Blocks made From Waste Materials", Journal of materials in Civil Engineering, ASCE, Vol. 21, No. 5, May 2009, pp191-197.
- 11) Salim Al-Oraimi, Hossam F. Hassan and **Abdel Wahid Hago**, "Recycling of reclaimed asphalt pavement in Portland cement concrete", The Journal of Engineering Research (TJER), Vol.6, N0. 1, (2009), pp37-45.
- 12) Ali said Alnuaimi, Khalifa Al-Jabri and **Abdel Wahid Hago**, "Comparison between solid and hollow reinforced concrete beams", Materials and Structures (2008), 41:269-286.
- 13) **Hago, A.W.** and Al-Rawas, A.A., Design of a rotary kiln for Sarooj Production, The Journal of Engineering Research, Vol.5, N0. 1, (2008), pp55-61.
- 14) Hassan, H.F., Al Rawas, A., **Hago, A.W.**, Jamrah, A., Al-Futaisi, A., Al-Sabqi, T. "Investigation of Permeability and Leaching of Hot Mix Asphalt Concrete Containing Oil-Contaminated Soils." Journal of Construction and Building Materials, JCBM, Elsevier, (2008), vol 22, pp1239-1246.
- 15) Alnuaimi A.S., Al-Jabri K.S. and **Hago A.W.**, "Direct Design of T-Beams for Combined Load of Bending and Torsion", The Journal for Engineering Research, Sultan Qaboos University, Vol.4, No.1, (2007), pp. 23-36, ISSN:1726-6009
- 16) S.K. Al-Oraimi, **A.W.Hago**, H.F. Hassan and R. Taha, Compressive Strength and Surface Absorption of high strength silica fume concrete under different curing conditions, The Journal of Engineering Research, Vol.4, N0. 1, (2007), pp17-22.
- 17) **Hago, A.W.**, Hossam, F.H, Amer, A.A., and Ramzi, T, and S. Al-Hadidi, Characterization of concrete blocks containing petroleum contaminated soils, Journal of Construction and Building Materials, Elsevier, Vol 21, 2007, pp952-957.
- 18) Amer Ali Al-Rawas and **Abdel Wahid Hago**, Evaluation of field and laboratory produced burnt clay pozzolans, Applied Clay Science Journal, Vol. 31, No. 1-2, Jan. 2006, pp29-35.
- 19) Al-Rawas, A., Hassan, H.F., Taha, R., **Hago, A.W.**, Al-Shandoudi, B., and Al-Suleimani, Y. "Stabilization of Oil-Contaminated Soils Using Cement and Cement By-Pass Dust." The Journal of Management of Environmental Quality: An International Journal, Vol 16, No. 6, 2005, pp670-680.

- 20) Amer Ali Al-Rawas, **Abdul Wahid Hago**, Ramzi Taha, and Khalid Al-Kharousi, Use of Incinerator Ash as Replacement for cement and Sand in Cement Mortars, Building and Environment, Volume 40 (2005), pp1261-1266.
- 21) K.S.Al-Jabri, **A.W.Hago**, A.S.Al-Nuaimi and A.H.Al-Saidy, Concrete blocks for thermal insulation in hot climate, Cement and Concrete Research journal, Volume 35 (2005), pp1472-1479.
- 22) A.A.Al-Rawas, **A.W.Hago** and H. Al-Sarmi, Effect of lime, cement, sarooj (artificial pozzolan) on the swelling potential of an expansive soil from Oman, Building and Environment, Volume 40 (2005), pp681-687, Elsevier Science Ltd, Great Britain, ISSN 0360-1323.
- 23) **Abdel Wahid Hago**, El-Hussain Al-Arabi, Ali Zarroug and Muddathir Sulieman, "Direct design of reinforced concrete beams under combined bending, shear and torsion", Sudan Engineering Society Journal, Jan. 2005, Vol 52, No 45, pp7-19, ISSN 0049-2469.
- 24) **A.W.Hago**, K.S.Al-Jabri, A.S. Alnuaimi, M.Al-Moqbali, and M.A. Al-Kubaisy, Ultimate and Service Behaviour of ferrocement Slab Panels, Construction and Building Materials Journal, Vol 19, Issue No.1 pp 31-37, February 2005, Elsevier Science Ltd, Great Britain.
- 25) Khalifa Al-Jabri, **A.W. Hago**, A.S. Alnuaimi and S. Al-Mahrouqi, Analysis of Fire data in Oman, Journal For Science Research- Science and Technology-, Journal of the Sultan Qaboos University, Vol 8, 2003, pp120-129, ISSN 1027-524X,02.
- 26) **Abdel Wahid Hago**, Amer Ali Al-Rawas, and Awadh Al-Sidairi, Effect of the Fineness of Artificial Pozzolana (Sarooj) on the Properties of Lime-Pozzolana Mixes, Journal For Science Research- Science and Technology-, Journal of the Sultan Qaboos University, Vol 7, 2002, pp251-258, ISSN 1027-524X,02.
- 27) Amer Ali Al-Rawas, **Abdul Wahid Hago**, Daood Al-Lawati and Abdallah Al-Battashi, The Omani Artificial Pozzolans (Sarooj), Cement, Concrete and Aggregate, CCAGDP, Journal of the American Society for Testing and Materials, Vol. 23, No.1, June 2001, pp.19-26. ISSN 0140-6123.
- 28) Amer Ali Al-Rawas, **Abdel Wahid Hago**, Hector Sutherland, Ali A. Yousif, Mohammed Al-Shihi and Badr Al-Shihi, A comparative quantitative study of an Omani soil using X-Ray Diffraction Technique, Geotechnical and Geological Engineering, Volume 19, pp. 69-84, 2001. ISSN 0960-3182.
- 29) **Abdel Wahid Hago**, Amer Ali Al-Rawas and Ahmed Al-Riami, Effect of Varying Cement Content and Curing Conditions on the Properties of Sarooj (Artificial Pozzolana), Journal of Building and Environment, Volume 37, No. 1, pp 45-53, Dec.2001, Elsevier Science Ltd, Great Britain, ISSN 0360-1323.
- 30) **Abdel Wahid Hago**, Amer Al-Rawas, and Ali S. Al-Harthi, Determination of Optimum Volume Proportions for Sarooj (Pozzolan) Lime Mixes, Journal of Environmental & Engineering Geoscience, Vol. VI, No.2, May 2000 (Spring), pp.171-176. ISSN 1078-7275.
- 31) **A.W. Hago**, and Amer Ali Al_Rawas, An Investigation into the Traditional Method of Production of Omani Sarooj, Journal for Science Research- Science and Technology-, Journal of the Sultan Qaboos University, Vol 4, 1999, pp35-43., ISSN 1027-524X,02.
- 32) Amer A. Al-Rawas, **Abdel Wahid Hago**, Timothy C. Corcoran and Khalid M. Al-Ghafri, Properties of the Omani Artificial Pozzolana (Sarooj), Applied Clay Science Journal (1998), No. 13, pp275-292, ISSN 0169-1317.
- 33) Amer Al-Rawas, Hector Sutherland, **A.W.Hago**, Adnan Basma and Badr Al-Shihi, Quantitative Analysis of Clay Minerals Using X-ray Diffraction Technique- Part I.

- Journal For Science Research -Science and Technology-, Journal of the Sultan Qaboos University, Vol 3, 1998, pp31-39, ., ISSN 1027-524X,02.
- 34) **Abdel Wahid Hago** and Amer Ali Al-Rawas, Properties of the Omani Sarooj. Engineering Journal of the University of Qatar, Vol.10, 1997, pp 81-91, ISBN 99921-46-17-6.
 - 35) Hassan A. Magid, **Abdel Wahid Hago** and Isam M. Abdel Magid, Analysis and Design of Water Networks By the Finite Element Method, Water International journal, Vol 16, No.2, June 1991, pp.96-101, ISSN 0250-8060.
 - 36) Zeidan, A.M., Abdel Magid, I.M., and **Hago, A.**, Waste Stabilization Ponds Design parameters: The Combined Effect of Time and Organic Load, The Sudan Engineering Society Journal, No.30, June 1988, ISSN 00049-2469.
 - 37) **Hago, A.W.** and Bhatt, P, A comparison Between the Design Moments for Strip method and Elastic Plate Analysis, Journal of The Structural Engineering, London, Vol 13, No.4, Jan 1987, pp 117-123.
 - 38) **Hago, A.W.** and Bhatt, P, Tests on reinforced concrete Slabs Designed by the direct design Procedure, Journal of the American Concrete Institute, Paper No. 83-79, Dec.1986, pp 916-924, ISSN 0002-8061.
 - 39) **Hago, A.W.**, Direct Design of Reinforced Concrete Slabs, the Sudan Engineering Society Journal, No.25, Oct. 1983, pp 19-21, ISSN 00049-2469.

Books and Book Chapters in Books:

- 40) Al-Rawas, A.A., **Hago, A.W.**, Al-Harthy, A.S. and Al-Shaqsi, S., Construction problems in traditional irrigation systems: A case study from the Aflaj of Oman. Goosen, M.F.A. and Shayya, W.H. (editors) in: *Water Management, Purification and Conservation in Arid Climate*, Vol. 1: Water Management; chapter 15, pp. 351-366, Tecnomc Publishing Co., 1999, ISBN 1-56676-759-8.
- 41) Isam Mohammed Abdel-Magid, **Abdel-Wahid Hago**, and Donald R. Rowe, Modeling Methods for Environmental Engineers, *A book published by CRC/Lewis International*. ISBN 1-56670-172-4, Oct 1996, pp518.

Conference Proceedings:

- 42) M S Meddah, M S Al-Owaisi and **AW Hago**, Engineering Properties of Mortar Containing Calcined Local Clay as a Supplementary Cementitious Material, ICSDI 2022, *International Conference On Sustainability: Developments And Innovations*, February 19 -22, 2022 - Prince Sultan University, Riyadh. KSA.
- 43) Khalifa Al Jabri, **Abdul Wahid Hago**, Yahia Mohamedzein, Forensic investigation of deterioration and damage of RC building in Oman: causes and recommended remedial measures, *Challenges in Developing Sustainable Infrastructure Conference 23- 25 of April, 2019, Kuwait University*.
- 44) **Abdul Wahid Hago**, Khalifa Al Jabri, Mahad Baawain, Compressive Strength of Interlocking Compressed Soil Blocks (ICSB) Produced Using Soil and Production Water from Oil Fields in Oman, *Proceedings of the International Conference for Sustainable Design of the Built Environment - SDBE London 2018*, pp 602-610.
- 45) Ali Alnuaimi, Juma S. Al-Rezaiki, **Abdul Wahid Hago**, Efficiency factor of cement kiln dust and its effect on strength of concrete, *3rd International Conference on Applied Engineering, Materials and Mechanics (3rd ICAEMM 2018)*, Okinawa, Japan, April 20-22, 2018.

- 46) **Abdul Wahid Hago**, Khalifa Al Jabri, Mahad Baawain, Bishr Al Maradni, Hamoud Al Rahbi, and Fahad Ambu Saidi, Strength of Interlocking Compressed Soil Blocks Produced Using Soil and Production Water from Oil Fields in Oman, Presented at *The Affordable Housing & Tall Buildings Seminar held at Sultan Qaboos University, March 2017*.
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- 2) Al-Jabri, K.S., Hago, A.W. and Mahad Baawain, *Development of a New Soil-Cement Block Using Produced Water from PDO Oil Fields: Literature Review, Fourth Progress Report* submitted to Petroleum Development Oman (PDO), Project No. CR/ENG/CIVL/14/09, Department of Civil and Architectural Engineering, Sultan Qaboos University, Oman, October 2018.
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- 8) Kalifa Al Jabri, **Abdel Wahid Hago**, Yahyazain, Final report on “Investigation of water leak in basement floor of Ibri Courts Complex”, Project No. CR/ENG/CIVL/14/10, June 2015.
 - 9) Ali Alnuaimi, **Abdel Wahid Hago**, Abdullah Al Saidi, Yahya Zain, Mohammed Al Aghbari and Ahmed Sana, Causes of Cracks in the North and Middle buildings of the College of Agriculture and Maine Sciences, April 2014.
 - 10) Ali Al-Harthy and **A. W.Hago**, Design & Construction of HDPE Manholes, , Amiantit Oman, June 2014.
 - 11) Ali Al-Harthy, **A. W.Hago** and Hossam Hassan, Final Report on “Precast concrete culverts”, Amiantit Oman, March 2014.
 - 12) Khalifa Al-Jabri, **A. W.Hago**, Hossam Hassan and Yahia Mohamedzein, Study of cracks in mass concrete in bridge foundation of Bidbid-Sur Road section 1, Astaldi-Ozkar JV, December-January 2014.
 - 13) Ali Al-Harthy, **A. W.Hago** and Ahmed Sana, Prestressed concrete cylinder pressure pipes, Amiantit Oman, January 2014.
 - 14) Al Harthy A. and **Hago, A.W.**, Study of cracks in pre-stressed electricity transmission poles, Final report, Eurocoles, July 2013.
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 - 18) **Hago A.W.** and Mohammed Alaa Mandoor, “Comments on some school buildings provided by the Ministry of Education, Directorate General of Education, Al-Dakhiliya Region”, April 2008.
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Conference & Workshops Attendance:-

1. Design Of Tall Buildings And Affordable Housing, Seminar Organized by: Sultan Qaboos University, Oman Society Of Engineers, Asian Institute Of Technology, and AIT Solutions, SQU, March 2017, Muscat.
2. The 5th International Conference on Estuaries and Coasts (ICEC 2015), SQU, Nov. 2015.
3. How to teach engineering students process skills- Workshop organized by College of Engineering, SQU, Professor Nikos Mourtos, San Jose' State University, May 26-28, 2015.
4. Technology solutions for low cost housing, AIT, Bangkok, Thailand, 27-28 Nov. 2014.
5. Program Assessment, Workshop organized by ABET Professional Services for Sultan Qaboos University, Jan. 2012.
6. International workshop on Fire Safety Engineering, Sultan Qaboos University, March 2011.
7. International Conference on Coastal Engineering, Sultan Qaboos University, Nov. 2010.
8. Moodle Workshop (New Version), Workshop organized by the CET in Sultan Qaboos University, Jan 2011
9. Sustainable Program Assessment, Workshop organized by ABET Professional Services for Sultan Qaboos University, Spring 2010.
10. Moodle Workshop, Workshop organized by the CET in Sultan Qaboos University, March 2010.
11. Becoming Effective Supervisor, Workshop organized by the Graduate Studies in Sultan Qaboos University, Jan. 2010.
12. Moodle workshop, Workshop organized by the CET in Sultan Qaboos University, Jan 2008
13. Oasis of Oman Symposium, Sultan Qaboos University, May 2007.
14. الندوة السادسة للمسؤولين عن تعريب التعليم العالي في الوطن العربي، مسقط ، 4-7 نوفمبر 2006
15. Third Gulf Conference on Roads, Sultan Qaboos University, March 2006.
16. International Conference on Materials research and Education, Future Trends and Opportunities, Doha, Qatar 4-6 April 2005.
17. International Conference on Geoenvironment, Sultan Qaboos University, March 4-7, 2000.
18. Deterioration of Reinforced Concrete in the Gulf and Methods of Repair, Muscat, 15-17 Dec. 1996.
19. The 3rd Asian-Pacific Conference on Computational Mechanics, Seul-Korea, 16-18 Sept.1996

20. Al-Azhar Engineering 3rd International Conference, Cairo, 18-21 Dec.1993.
21. Second Arab Conference on Structural Engineering, Amman University, Jordan, April 1987.
22. First Arab Conference on Structural Engineering, Cairo University, Cairo, April 1985
23. First National Conference on Science and Technology of Buildings, Khartoum University in collaboration with the Sudan Engineering Society, Dec. 1984.
24. Advanced Mechanics of Reinforced Concrete, IABSE Colloquium, Delft Univ., Netherlands, June 1981.

Grants and Contract Support

1. Ali Alnuaimi, **Abdul Wahid Hago**, Sherif El Gamal, Development of compressed blocks for low cost housing, Squ internal grant No. IG/ENG/CAED/19/01, 2019-2021- 10000 RO.
2. Ali Alnuaimi, **Abdul Wahid Hago**, **Mubarak Al Alawi**, Technical expert advice on Structures Present in Agricultural Land in Al Khabora (Court Case#747/17 Ministry of Housing), CR/ENG/CAED/19/09, 2019, RO 600.
3. Ali Al-Harthy, **A. Hago**, Technical expert advice on Amiantit RC highway barricades, CR/ENG/CAED/17/06, Jamal Mansoor and Co, 2017, 1000 RO.
4. Ali Al-Harthy, **A. Hago**, Technical expert advice on Amiantit HDPE manholes concerning court case 454/T/2017, CR/ENG/CAED/17/07, Jamal Mansoor and Co, 2017, 2500 RO.
5. Ali Al-Harthy, **A. Hago**, Inspection of HDPE manholes concerning court case No. 454/T/2017, CR/ENG/CAED/17/08, Azri Architects Consult. , 2017, 500 RO.
6. **A.W.Hago**, M. Al Aghabary and Chaham Al Alouch, Investigation of Cracking in Bahwan residential complex in Madinat Qaboos, CR/ENG/CAED/16/03, 2016-2017, 30,000 RO.
7. Khalifa Al-Jabri, **A.W.Hago**, Ali Al Harthy, Ali Alnuaimi, Yahia Mohamedzein, Ahmed Sana, Engineering consultancy services for Dry Dock at Duqum Shipyard Area, CR/ENG/CAED/15/02, ODC, 2015-2022, 150,000RO.
8. Khalifa Al Jabri, **Hago, A.W.**, Yahia Mohamedzein, Investigation of Water Leaks in Basement Floor of Ibra Courts Complex, CR/ENGLCIVL/14/10, 20,000 RO 2014-2015.
9. Awni Shaaban, Al Badi, A., **Hago, A.W.**, Tahat, M., Al Harthy, A., Al Jabri, K.S., Oman Eco House, TRC grant, 2012-2015, 150,000 RO.
10. Ali Al-Harthy and **A. W.Hago**, Design & Construction of HDPE Manholes, Amiantit Oman, CR/ENG/CIVL/14/07, 2014, 3200 RO.
11. Ali Al-Harthy, **A. Hago** and Hossam Hassan, Precast concrete culverts, Amiantit Oman, CR/ENG/CIVL/14/04, 2014, 5000 RO.
12. Al-Jabri, K.S., **Hago, A.W.** and Mahad Baawain, Development of a New Soil-Cement Block Using Produced Water from PDO Oil Field, Petroleum Development Oman (PDO), Project No. CR/ENG/CIVL/14/09, 2014, RO 120,000.
13. Khalifa Al-Jabri, **A. Hago**, Hossam Hassan and Yahia Mohamedzein, Study of cracks in mass concrete in bridge foundation of Bidbid-Sur Road section 1, Astaldi-Ozkar JV, CR/ENG/CIVL/14/01, 2014, 4750 RO.
14. Ali Al-Harthy, **A. Hago** and Ahmed Sana, Prestressed concrete cylinder pressure pipes, Amiantit Oman, CR/ENG/CIVL/14/02, 4500 RO, 2014.
15. **A.W.Hago** and Yahia Mohamedzein, Revision of the Proposed Remedial Measures for the Dry Dock Staff Accommodation Buildings in Duqum, Ministry of Transport, 2013.
16. **A.W. Hago** and Ali Al Harthy, Investigation of the cracking in the pre-stressed electric transmission poles, Oman Eurocoles, CR/ENG/CIVL/13/01, 2013, 2800 RO.
17. **A.W.Hago**, Yahia Mohamzein, Investigation of the cracking of the Ministry of Housing Head Quarters Buildings in Ibri, Court case (Team Leader), 2012-2013, 4000 RO.
18. **Ali Al-Harthy, A.W. Hago**, Investigation of the failure of Sayma Mosque, Court case,

- 5000 RO, 2012.
19. Amer Al-Rawas and **A.W.Hago**, The Omani Sarooj, Project# IG/PSR/DEAN/00/01, SQU funded, 2,000 RO.
 20. **A.W. Hago** and Khalifa Al-Jabri, Possibility of developing Light weight concrete blocks using local materials in Oman, IG/ENG/CIVL/03/03, 2 years, SQU funded, 2,000 RO.
 21. **A.W.Hago**, Ali Alnuaimi and Khalifa Al-Jabri, Possibility of developing light ferrocement roof panels for low cost housing, 2 years.
 22. Qamaruddin, M., **Hago, A.W.**, Al-Oraimi, S. Lateral Stiffness of Shear Walls with Openings, 2 years.
 23. Al-Hinai, H., **A.W.Hago**, Theoretical and experimental investigation of cooling techniques to improve thermal comfort in school buildings in Oman.
 24. Amer Al-Rawas and **A.W. Hago**, Developing Properties of Omani Sarooj, Project# IG/PSR/DEAN/00/01, 3 years, SQU funded, 27,000 RO.
 25. Khalifa Al-Jabri, **A. W. Hago**, Ali Al-Nuaimi, Abdullah Al-Saidy, "Development of lightweight concrete blocks using natural materials available in Oman", SQU Internal grant, 2003-2005, 4,118 RO.
 26. R. Taha, **A.W.Hago**, Hossam Hassan, Beneficial reuses of petroleum contaminated soils, duration 3 years, funded by Petroleum Development of Oman (PDO), 40,000RO.
 27. Ali Al-Nuaimi, Khalifa Al-Jabri , **A. W. Hago**, Abdullah Al-Saidy, "Design of Prestressed concrete beams using direct design method", SQU Internal grant, 2002-2004, 10,000 RO.
 28. AL-JABRI, Ali Al-Nuaimi (P.I.), Khalifa Al-Jabri (Co. PI), **A. W. Hago**, Abdulla Al-Saidy, "Investigation of the behaviour of beams encased in Ferrocement panels" , SQU Internal grant, 2006, 10,000R.O.
 29. H. Hassan, R.A. Taha, **A. Hago**, A. Al-Rawas and J. Abu Ashour. "Beneficial Reuses of Petroleum-Contaminated Soils." Petroleum Development Oman, March 2002. (Funding: O.R. 40,000=\$100,000, March 2002-February 2005).
 30. Amer Al-Rawas, Hossam Hassan, and **Abddel Wahid Hago** RO 5740, 3 years, Investigation of Permeability and leaching of construction applications containing oil contaminated soils.
 31. Alnuaimi, **A.**, **A.W.Hago**, Khalifa Al-Jabri and A. Al-Saidy, Design and Testing of R. C. T-beams subjected to torsion and bending using the direct design method, 3 years, SQU funded, 10000 RO.
 32. Hossam, H., **A.W. Hago**, R. Taha, Monitoring and prediction of pavement temperatures in Oman, 3 years, SQU funded, 8900 RO.
 33. R. Taha, Amer Al-Rawas, **A.W. Hago**, Hossam, H., The utilization of Cement-By-Pass Dust (CBPD) in Portland cement concrete and soil stabilization, 2 years, SQU funded, 2000 RO.
 34. Abdel Halim, M., Mahbub Rahman, **A.W. Hago**, Preparation of a database and documentation of selected heritage structures in Oman, 3 years, SQU funded, 4231 RO.

Other Information

LANGUAGES:

- | | |
|---------------------------------|--------------------|
| 1. Arabic: Spoken = Excellent; | Written= Excellent |
| 2. English: Spoken = Excellent; | Written= Excellent |

AFFILIATION :-

- Member of the Sudan Engineering Society, Sudan
- Registered with the Sudan Engineering Council as Specialist Engineer.
- Former Associate member of the Institution of Civil Engineers, London, U.K.
- Former Associate member of the American Society of Civil Engineers, U.S.A.

TRAINING :-

1. Khartoum High Technical College: for three months in 1972, training in basic Engineering.
2. Atbara Railways Workshops: for two months in 1973, training in Mechanical and Electrical Engineering.
3. Ministry Of Public Works, Khartoum: for three months in 1973, training on Structural Design and Construction Engineering.
4. Jabal Aulia Survey Camp: for fifteen days in 1973, training in Surveying.
5. Rural Water Corporation: for three months in 1974, training in Site Preparation for Agricultural Schemes in Eastern Rural Areas in Sudan.
6. El Tahir Contracting Company in Port Sudan: for four months in 1975, training on Structural Design and Construction Engineering.
7. CET course on E-Learning (WebCT), Sultan Qaboos University, Jan. 2005.

COMPUTER EXPERIENCE:

I have worked with the following systems of computers:

1. Elliott 806 machine
2. Wang 100 VM
3. ICL 2976
4. APPLE IIe
5. IBM compatibles

COMPUTER LANGUAGES:

I master fluently and have used the following programming languages

1. Algol 60
2. Pascal
3. Fortran
4. Basic & Quick Basic
5. C/C++
6. Visual Basic for windows
7. Visual Basic for Applications
8. Delphi 2.0 for windows