

MOHAMMED YOUSUF SAIF AL-AGHBARI

Department of Civil and Architectural Engineering
College of Engineering
Sultan Qaboos University

C1. PERSONAL INFORMATION

Name : Dr. Mohammed Yousuf Saif Al-Aghbari
Date of Birth : 22/6/1966
Residential Address : P.O.Box 593 C.P.O P.code 111
Nationality : Omani
Marital Status : Married with 6 children
Telephone No.: : 00968 24141331 or 00968 9444120
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C2. EDUCATIONAL AND EMPLOYMENT INFORMATION

Education:

- Ph.D:** Civil Engineering, Geotechnical and Foundation Engineering.
University of Strathclyde, Department of Civil Engineering, Glasgow, Scotland, United Kingdom. 1999.
Title of Thesis: Bearing Capacity Of Shallow Strip Foundations With Structural Skirts Resting On Dense Sand. Supervisor: Prof. A. McGown
- M.Sc.:** Civil Engineering, Foundation Engineering.
University of Birmingham, Department of Civil Engineering, Birmingham, United Kingdom. 1994.
Title of Thesis: Seepage under Concrete Dam. Supervisor: Dr. J. billam.
- B.Sc.:** Civil Engineering.
Sultan Qaboos University, Department of Civil Engineering, Sultanate of Oman, 1992.

Societies:

1. Member of the American Society of Civil Engineers (ASCE).
2. Member of the Oman Engineers Society.

Employment History:

1. Associate Professor, Civil Engineering Dept. Sultan Qaboos University, Al-Khod , Sultanate of Oman. (2010 – Present)
2. Assistant Professor, Civil Engineering Dept. Sultan Qaboos University, Al-Khod , Sultanate of Oman. (2002 – 2010)
3. Lecturer, Civil Engineering Dept. Sultan Qaboos University, Al-Khod, Sultanate of Oman. July. 1999 – 2002.
4. Postgraduate (Ph.D), University Of Strathclyed, Scotland U.K . 1995 - 1999

5. Assistant Lecturer, Civil Engineering Dept., Sultan Qaboos University, Al-Khod, Sultanate of Oman. 1994- 1995.
6. Postgraduate (MSc) ,University Of Birmingham, England U.K. 1993-1994.
7. Demonstrator, Civil Engineering Dept., Sultan Qaboos University, Al-Khod, Sultanate of Oman. 1992-1993.

C3. SCHOLARSHIPS AND HONOURS

1. SQU Scholarship to study for MSc. (1993-1994).
2. SQU Scholarship to study for PhD. . (1995-1999).

C4. TEACHING

Associate Professor: Department of Civil and Architectural Engineering, Sultan Qaboos University, Al-Khod, Sultanate of Oman (Jan. 2000 to Present):

1. Taught classes in geotechnical engineering courses and design projects for undergraduate students and for postgraduate students in Civil Engineering. Supervising undergraduate and postgraduate research projects in the areas of soil stabilization.

Courses taught at Sultan Qaboos University:

Undergraduate Courses:

1. Geotechnical Engineering I (CIVL 3106)
2. Geotechnical Engineering II (CIVL 4106)
3. Foundation engineering (CIVL 4226)
4. Slope Stability. (CIVL 5106)
5. Civil Eng. Design Project (CIVL 5316)
6. Soil Improvements (CIVL 5130)
7. Drawing I (CIVL 3002)

Postgraduate Courses:

8. Earth Slope and Embankment (CIVL 6330)
9. Difficult soils and Ground Improvement (CIVL6340)

Final Year Research Projects Supervised at Sultan Qaboos University:

I have supervised 60 final year student research projects.

Supervision of Postgraduate Students

<i>No.</i>	<i>Name</i>	<i>Year</i>	<i>Title of application</i>	<i>Role</i>
PhD students				
1.	Mohammed Adel Maree Hammad	2020 to Present	Experimental and Numerical Studies of Deep Soil Mixed Columns in Sabkha Soils	Co-Supervisor
MSc Students				
2.	Kholoud Al Sidrani	2021-present	Sabkha soil geotechnical properties improvement utilizing cement and marble powder.	Supervisor
3.	Fatima Al Balushi	2022-present	Expansive soil geotechnical properties improvement utilizing cement and marble powder	Supervisor
4.	Omaima Mohamed Al-Shirawi	2019-2020	Potential Use of Shallow and Deep Soil Mixing Techniques with A Partial Replacement of Cement with CKD To Enhance Omani Sabkha Soil	Supervisor
5.	Hamid Hassan Mohammed Azzan Al Shanfari	2019-2020	POTENTIAL USE OF DEEP SOIL MIXING TECHNOLOGY IN STABILIZING DUNE SAND	Supervisor
6.	Zainab Bashir Ali Bacal	2020 to Present	Study of the Swelling and Suction Properties of Al-Khod and Adam Expansive Soils	Member
7.	Amr Mohammad Eldawoody	2020	Experimental and Numerical Analysis of Axially and Laterally Loaded Pile Installed in Layered Soils with a Soft Clay Layer	Member
8.	Zuweina Hamdan Said Al Kindi	2019	Stabilization of Expansive Soil from Adam	Member
9.	Jamal Al-Falahi	2017	Experimental Study of the Effect of Scour in Laterally-Loaded pile Groups	Member
10.	Abdulraheim Salim Omar Al-Hashmi	2017	Laboratory characterization and numerical modeling of mitigation of expansive soil from Adam	Member
11.	Ammar Al-Sharif	2016	Experimental and Numerical Modeling of the Scouring Effect on the Laterally Loaded Pile in Sand	Member
12.	Al Yaqdhan Abdullah Ahmed Al Harthy	2012	Experimental Study of Plastic Pipes in Dune Sand	Member

Curriculum Development and Teaching Management at Sultan Qaboos University:

- Developed and taught the following undergraduate and postgraduate courses for *the first time at SQU*:
 - CIVL5106 Slope Stability
 - CIVL5133 Soil Improvements
- Developed new graduate course:
 - CIVL6330 Earth Slope and Embankment

- Participated in updating the contents of the following undergraduate courses:
CIVL3106 Geotechnical Engineering I
CIVL4106 Geotechnical Engineering II
CIVL4226 Foundation Engineering

Student Advising at Sultan Qaboos University:

- Academic advisor for more than 200 undergraduate students in every academic year from (1999 to 2017).
- Advisor or co-advisor for four postgraduate students.

Teaching Activities Outside the Classroom:

- Took students to visit the following operating engineering facilities or construction sites:
 1. Visit to observe distressed cracks in the building of the College of Agriculture and Marine Sciences (Fall 2002,2003,2004).
 2. Visit to observe pile construction at a construction site at A'Seeb (2002,2003,2004).
 3. Visit to Sohar Seaport (Fall 2002)
 4. Visit to A'Seeb landfill (Spring 2004)
 5. Visit to Al mooge site (Fall ,2006,2007)
 6. Visit to fanja and samaiel cutting slopes (Spring 2005,2006,2007)
 7. Visit to A'Seeb International airport new site (Spring 2008)
 8. Visit to A'Seeb International airport new site (Spring 2009)
 9. Visit to site investigations in Muscate area (Fall & Spring 2010)
 10. Visit to Slope cutover in Muscat Motorway (2011, 2012 and 2013)

C5. SERVICES

University Administration and Committees at Sultan Qaboos University:

University Services:

Founding member of the committee for the Sultan Qaboos University Prize for student Innovation.

College of Engineering Services:

1. College representative to the Fourth Gulf Engineering Meeting, Al Riyadh, Saudi Arabia (2000).
2. Chairman ,Social Activity Committee (2001, 2002)
3. Chairman , Proceeding Sub-Committee of the ICGE2000
4. Member of the College Board (2000, 2006)
5. Member, Engineering Society Advisor and Social Activity Committee (2004,2005)
6. Member ,Social Activity Committee (2014, 2015)

Department of Civil and Architectural Engineering Services:

1. Department representative to the Fifth Gulf Engineering Meeting, Muscat, Oman (2001)
2. Coordinator of the Student-Staff Liaison Committee (2000,2001)
3. Coordinator of the Laboratory Committee (2001)
4. Member of the Curriculum Committee (2000)
5. Member of the Accreditation Committee (2002-2006)
6. Member of the Recruitment Committee (2002-2006)
7. Department Timetable Representative (2000-2003)
8. Department Representative for social activities (2000-2015)
9. Department Representative for sport activities (1999-2015)
10. Department Representative for Civil Engineering News letter (2005-2007)
11. Department Representative for the Engineering Open Day (2000-2015)
12. Advisor for Civil and Architectural Engineering Society (CAES)(2000,2009, 2012)
13. Member of the Final year Project Committee (2005,2006)

Professional Services:

1. Session Co-Chair in Geo2000, International Conference, Al Ain, UAE, 2000.
2. Session Co-Chair in Geo2002, International Conference, Al Riyadh, Saudi Arabia, 2002.
3. Organizing a short course on “Rock and Soil Slope Instability & Stabilization”. 2-6 June 2001.
4. Organizing a short course on “Rock and Soil Slope Instability & Stabilization”. 25-29 May 2002.
5. Chairman, of public relation Committee: Third Gulf Conference on Roads (TGCR06).
6. Member of organizing committee for the "Third Gulf Conference on Roads (TGCR06).
7. Editorial Board member, International Journal of Geotechnics and Environment, Department of Civil Engineering , National Institute of Technology, Hamirpur – 177005, Himachal Pradesh, INDIA.
8. Member of the review team for the Second International Conference in Geotechnical and Geoenvironmental Engineering, Riyadh 2002.
9. Member of the review team for the 9th Arab Structural Engineering Conference, Abu Dhabi, UAE.

Community Services:

1. Member of Expert Panel to provide opinion to the Appealing Court, the Council of Administrative Affairs for the Judiciary, Oman, on cases #313/314/412. (Spring 2016-Spring 2017).
2. Member of review team for the "Remedial Measures for the College of Agriculture" (2011-present).
2. Member of the consulting team for "Stability of a Rock Slope near Jalali Fort, Muscat " (2002).
3. Member of the expert witness team for evaluation of structure conditions for multistory building in Dabba, Oman (2006).
4. Member of the consulting team for Improving Technical Education Programme Higher College of Technology , Muscat, Oman (2003).
5. Representative of private schools in the conference Private Schools: Reality and Expectation” Held by the Ministry of Education Oman (2003).

Training and Workshops Conducted

1. Prepared and Taught: Problematic Soil and ground Improvement, Workshop for Ministry of Defence Engineers, 2021
2. Prepared and Taught: Geotechnical Engineering and Soil Improvement Course for PDO Engineers, March 8 to 10, 2020.
3. Prepared and Taught: Problematic Soil and ground Improvement, Workshop for Madain Engineers, 2020.
4. Organized a workshop on Ground Improvement Feb. 2016.

C6. SCHOLARLY ACHIEVEMENTS

Refereed Journals:

1. **Mohammed Y. Al-Aghbari** and Yahia E.-A. Mohamedzein (2020). The use of skirts to improve the performance of a footing in sand. International Journal of Geotechnical Engineering, Vol. 14, Issue 2, 134-141. <https://doi.org/10.1080/19386362.2018.1429702>
2. **Mohammed Yousuf Al-Aghbari**, Yahia Mohamedzein and Hammad Al-Nasseri (2019). Potential use of structural skirts towards improving the bearing capacity of shallow footings exposed to inclined loadings, International Journal of Geotechnical Engineering. DOI: [10.1080/19386362.2019.1617477](https://doi.org/10.1080/19386362.2019.1617477)
3. Mohamedzein, Yahia E-A., Ahmed Al-Ghaithi, **Mohamed Al-Aghbari** and Bakhit Tabook (2016). Assessment of Dune Sand-Bentonite Mixtures for Use as Landfill Liners. Journal of Solid Waste Technology and Management Vol. 42, No. 1, pp. 25-34.
4. Mohamedzein, Yahia E-A. and **Mohammed Y. Al-Aghbari** (2016). Experimental Study of the Performance of Plastic Pipes Buried in Dune Soil. International Journal of Geotechnical Engineering, Vol. 10, No. 3, pp. 236-245.
5. Mohamedzein, Y. E-A. and **Al-Aghbari, M. Y.** (2012). The use of municipal solid waste incinerator ash to stabilize dune sands. Journal of Geotechnical and Geological Engineering, Springer, Paper No. DOI 10.1007/s10706-012-9548-8.
6. **Al-Aghbari, M.Y.**, Dutta, R.K. and Mohamedzein, Yahia E-A. (2011), "Effect of diesel and gasoline on the properties of sands – A comparative study", International Journal of Geotechnical Engineering, 5(1), 61-68.
7. **Al-Aghbari, M.Y.**, Mohamedzein, Yahia E-A and Taha, Ramzi (2009). Stabilization of desert sands using Portland cement and cement by-pass dust. Journal of Ground Improvement, Thomas Telford, Volume 162, No G13, pp 145-151.
8. **Al-Aghbari, M.Y.** and Dutta, R.K. (2009). Stabilization of sand with cement by-pass dust. Journal of Geotechnics and Environment, Vol. 1, No. 1, pp. 19-32.
9. **Al-Aghbari, M.Y.** and Dutta, R.K. (2009). Regression Models for Sand Stabilized with Higher Dosages of Cement By-Pass Dust. The Icfai University Journal of Structural Engineering, Vol. II, No. 1, pp. 77-93.

10. Dutta, R.K., **Al-Aghbari, M.Y.** and Parti, R. (2009). Use of Oil Contaminated Sand in Rural Roads. *International Journal of Earth Sciences and Engineering*, Vol. 2, No. 1, pp. 73-80.
11. **Al-Aghbari, M.Y.** and Dutta, R.K (2008). Performance of square footing with structural skirt resting on sand. *Geomechanics and Geoengineering - An International Journal*, Volume 3, Issue 4. pp. 271 – 277.
12. **Al-Aghbari, M.Y.** and Dutta, R.K. (2008). Effect of cement and cement by-pass dust on the engineering properties of sand, *International Journal of Geotechnical Engineering*, Vol. 2, No. 4, pp. 425-431.
13. **Al-Aghbari, M.Y.** (2007). Settlement of shallow circular foundation with structural skirts resting on sand. *Journal of Engineering Research*, Sultan Qaboos University. ISSN 1726-6009, Vol 4, No.1, pp 11-16.
14. **Al-Aghbari, Mohammed Y.** and Mohamedzein, Yahia E-A. (2006). Improving the performance of circular foundations using structural skirts. *Journal of Ground Improvement*, Thomas Telford, Vol. 10, No. 3, pp. 125-132.
15. Mohamedzein, Yahia, E-A.; **Al-Aghbari, Mohammed** and Taha, Ramzi (2006). Stabilization of desert sands using municipal solid waste incinerator ash. *Journal of Geotechnical and Geological Engineering*, Springer, Vol. 24, pp. 1767–1780.
16. **Al-Aghbari, M.Y.** and Dutta, R.K.(2005). Suitability of desert sand cement mixes for base courses in highway pavements. *Electronic Journal of Geotechnical Engineering*, 2111 N., Burdick Street Stillwater, OK 74075, USA, Vol. 10 (D), <http://www.ejge.com/2005/Ppr0558/Ppr0558.htm> .
17. Mohamedzein, Yahia E-A., Al-Rawas, Amer A., **Al-Aghbari, Mohammed Y.**, Qatan, Ahmed and Al-Rawas, Abdul-Hamid (2005). Assessment of crushed shales for use as compacted landfill liners. *Journal of Engineering Geology*, Elsevier, Vol. 80., No. 3-4, pp. 271-281.
18. R.A. Taha, A. Al-Rawas, S. Al-Oraimi, H. Hassan and **M. Al-Aghbari.** (2005). The use of brackish and oil-contaminated water in road construction. *Environmental and Engineering Geoscience, E&EG*, Vol. XI, No. 2, pp. 163-169.
19. **Al-Aghbari, M. Y.** and Mohamedzein, Y. E-A. (2004). Bearing capacity of strip foundations with structural skirts. *Journal of Geotechnical and Geological Engineering*, Kluwer Academic Publisher, ISSN 0960-3182, Vol 22. No.1, PP. 43-57.
20. **Al-Aghbari, M. Y.** and Mohamedzein, Y. E-A. (2004). Model testing of strip footings with structural skirts. *Journal of Ground Improvement*, Thomas Telford, Vol. 8, No. 4, pp. 171-177.
21. Al-Rawas A.A., Cheema, T. and **Al-Aghbari M.** (2000). Geological and engineering classification of mudrocks. *Journal for Scientific Research-Science and Technology*, (Special Issue), Sultan Qaboos University, Sultanate of Oman, pp. 137-155.

22. Al-Rawas, A.A., Sivakugan, N., **Al-aghbari, M.Y.** and AL-shihi, J.A. (1997). Towards solutions for seepage problems. Journal of Science and Technology, Sultan Qaboos University, Sultanate of Oman, ISSN 1027-524X, Vol 2, pp 17-27.

Conference Proceedings:

1. **Al-Aghbari, M. Y.**, Mohamedzein, Y. E-A. and Al-Sadrani, K. A. (2022). Improvement geotechnical properties of salt-encrusted desert flats utilizing cement kiln dust. International geoengineering Conference (GEOFIESTA 2022), Putrajaya, Malaysia, July 20-21, 2022.
2. Adel, M. H., Mohamedzein, Y. E-A. and **Al-Aghbari, M. Y.**, (2022). Sabkha soil geotechnical properties improvement utilizing cement and marble powder. International geoengineering Conference (GEOFIESTA 2022), Putrajaya, Malaysia, July 20-21, 2022.
3. Mohammed ,Ammar A.; Mohamedzein, Yahia; Al-Jabri, Khalifa and **Al-Aghbari, Mohammed** (2018). Experimental and Numerical Modeling of the Scour Effects on the Laterally Loaded Piles in Sand. The 1st National Conference on Civil & Architectural Engineering, March 26-28, 2018, Sultan Qaboos University, Muscat.
4. Mohamedzein, Y. and **Al-Aghbari, M.** (2016) The Performance of Strip Footing Resting on Geogrid-Reinforced Dune Sand. Geo-China 2016: pp. 106-113. doi: 10.1061/9780784480045.014.
5. **Mohammed Y. Al-Aghbari** and Yahia E-A. Mohamedzein (2015). Improvement of Bearing Capacity of Strip Footings on Dune Sands using Geogrids. Second International Conference on Trends in Multidisciplinary Business and Economic Research (TMBER 25-26 March 2015) Global Illuminators, Bangkok, Thailand.
6. Mohamedzein, Yahia, Al-Ghaithi, Ahmed, and **Al-Aghbari, Mohammed** (2014). The Properties of Dune Sand-Bentonite Mixtures for Use as Landfill Liners. Proceeding of the The Twenty-Ninth International Conference on Solid Waste Technology and Management, Philadelphia, USA, March-April 1014, pp. 802-812.
7. **Al-Aghbari, Mohammed** and Mohamedzein, Yahia E-A (2007). Stabilization of desert sand using high dosages of cement-by-pass dust. Geo-Changsha 2007: An International Conference on Geotechnical Engineering, Changsha, China, pp. 53-60.
8. Mohamedzein, Yahia E-A.; Bamukhalef, Ali and **Al-Aghbari, Mohammed** (2007). Stabilization of sabkha soils using cement. Geo-Changsha 2007: An International Conference on Geotechnical Engineering, Changsha, China, pp. 263-270.
9. Al-Rawas, Amer A.; Taha, R.amzi; **Al-Aghari, Mohammed Y.** and Mohamedzein, Yahia E-A. (2006). Evaluation of the bearing capacity of compacted desert sands. Sumitted to the GeoShanghai International Conference, Shanghai, China., pp. 98-104, Published by ASCE.
10. Mohamedzein, Yahia, E-A., Al-Rawas, Amer A., Taha, Ramzi and **Al-Aghbari Mohammed Y.** (2006). Statistical analysis of CBR of compacted sands. Third Gulf Conference on Roads (TGCR06), Muscat. pp. 209-213, Published by Sultan Qaboos University.
11. **Al-Aghbari, Mohammed Y.** and Mohamedzein, Yahia E-A. (2004). Bearing capacity of shallow circular foundations with structural skirts resting on sand. Proceedings of the

- International Conference on Geotechnical Engineering, Sharjah, United Arab Emirates, pp. 34-40, Published by the University of Sharjah, United Arab Emirates.
12. Mohamedzein, Y. E-A. and **Al-Aghbari, Mohammed Y.** (2004). Finite element simulation of compaction effect on buried culverts. Proceedings of the International Conference on Geotechnical Engineering, Sharjah, United Arab Emirates, pp. 351-356, Published by the University of Sharjah, United Arab Emirates
 13. Cheema, T., Al-Harthy, A., **Al-Aghbari, M.** and Al-Aufi, M. (2004). Influence of grain size and mineralogy on the strength of weak rocks. Geo Jordan 2004: advanced in geotechnical engineering with emphasis on dams , highway material, and soil improvement, proceeding of the conference, Irbid, Jordan, pp 239-249. (ISBN: 0-7844-0735-5).
 14. Cheema, T. and **Al-Aghbari, M.**, (2003). Engineering geological appraisal of weak rock from muscats, sultanate of omam. 6th International Conference on Civil Engineering (ICCE 2003), Isfahan, Iran, pp 495-502. (ISBN: 964-7308-57-4).
 15. **Al-Aghbari, M.** (2003). Bearing Capacity of shallow square foundation with structural skirts resting on sand. Proceeding of the 9nd Arab Structural Engineering Conference, Abu Dhabi, UAE , Edited by Nazmy, A.S., Publication Department, United Arab Emirate University, pp. 725- 733 (ISBN 9948-02-099-5).
 16. Mohamedzein, Y. E-A., Al-Rawas, A. and **Al-Aghbari, M. Y.** (2003). Assessment of sand-clay mixture for use as clay liners. International Conference on Geoenvironmental Engineering, Singapore. pp. 211-218.
 17. O. Satti, **M. Y. Al-Aghbari**, I. Guba, and A. Al-Rawas, (2003). Landslide characterization in muscat area, a case study. 12th Pan-American Conference on Soil Mechanics and Geotechnical Engineering, edited by P. J. Culligan, H. H. Einstein, and A. J. Whittle, Verlag Gluckauf Essen, Volume 2 pp 2477-2481 (ISBN 3-7739-59580).
 18. **Mohammed Al-Aghbari**, Yahia E-A. Mohamedzain and Ramzi Taha. (2003). Stabilization of desert sand for use as a foundation- bearing capacity. 2nd Confarence on Advances in Soft Soil Engineering and Technology. Putrajaya Malaysia. pp. 873-878. (ISBN 983-2373-92-1).
 19. **Al-Aghbari, M. Y** and Khan, A. K (2002). Behaviour of shallow strip foundation with structural skirts resting on dense sand. Concrete for Extreme Condition, Proceeding of the International Conference held at the University of Dundee, Scotland, U.K on 9-11 September, , Dhir , R, McCarthy, M. and Newlands, M. (eds) © 2002 Thomas Telford , pp. 737 – 746 (ISBN 0 7277 3178 5).
 20. **Al-Aghbari, M.** (2002). Settlement of shallow square foundation with structural skirts resting on sand. Proceeding of the 2nd International Conference on Geotechnical and Geoenvironmental Engineering in Arid Land , Geotechnical and Geoenvironmental in Arid Lands, Riyadh, Saudi Arabia 6-9 October 2002, Edited by Alawaji, H.A. © 2002 Balkema, Rotterdam, pp. 189– 193 (ISBN 90 5809 5142).
 21. Al-Riyami ,M. H, **Al-Aghbari, M.S** and Abu Ashour, J. (2002). Treatment of sewage water in Oman University: case study on effluent quality and economics. Proceeding of the 2nd International Conference on Geotechnical and Geoenvironmental Engineering in Arid Land , Geotechnical and Geoenvironmental in Arid Lands, Riyadh, Saudi Arabia 6-9 October

- 2002, Edited by Alawaji, H.A. © 2002 Balkema, Rotterdam, pp. 439– 443 (ISBN 90 5809 5142).
22. Hossam F. Hassan, **Mohammed Al-Aghbari**, Ali Al-Nuaimi, and Ramzi Taha. (2002) “Temperature and Frost Penetration under Asphalt Pavements”, 2nd World Engineering Congress, Sarawak, Malaysia. pp. 316-320. (ISBN 967-960-142-0).
 23. Ali, Galal A., **Al-Aghbari, M.** and A. Al-Gahadhamy (2000). Evaluation of stabilized base, sand seal and slurry seal pavement section in oman. Developments in Arid Regions Research: Geoengineering in Arid Lands, A. Mohamed and K. Al Hosani (eds) © 1999 Balkema, Rotterdam, pp.165 – 173 (ISBN 90 5809 160 0; ISSN 1567-6919).
 24. Al-Rawas, A.A., **Al-aghbari, M.Y.** and Sivakugan, N. (1996). Approximate solutions for confined flow problem. Proceedings of the Third Asian-Pacific Conference on Computational Mechanics, Seoul, Korea, 16-18 September 1996, Vol. 3, pp 1709-1714.
 25. **Al-aghbari, M.Y.**, Al-Rawas, A.A. and Sivakugan, N. (1996). Investigation of parameters influencing seepage problems. Proceedings of the Third Asian-Pacific Conference on Computational Mechanics, Seoul, Korea, 16-18 September 1996, Vol. 3, pp 2295-2300.
 26. Sivakugan, N and **Al-aghbari, M.Y.S.** (1993a) . Method of fragments-Quick solutions to seepage problem. Proceedings of the international Conference on Environmental Management, Geo-Water and Engineering Aspect, A.A. Balkema, Rotterdam, pp. 491-496.
 27. Sivakugan, N and **Al-aghbari, M.Y.S.** (1993b). An optimization study on seepage beneath a concrete dam. Proceeding of Structural Optimization 93, Rio de Janeiro, Brazil, pp 1-8.

Reports:

Technical Reports

1. علي النعيمي ، يحيى محمد زين ومحمد الأغبري (2020). تقرير لجنة الخبرة الفنية بجامعة السلطان قابوس في موضوع الخلاف بين شركة الغربية وشركة تكنيلاد فيما يخص عمل لخوازيق بمشروع خفر السواحل بمنطقة دبا- محافظة مسندم . مقدم لهيئة التحكيم.
2. Ali Al-Harthi, Yahia Mohamedzein, Mohammed Al-Aghbari and Hossam Hassan (2018). Review of site investigation report, Abu Tubul Block-60 Project_Bisat-Shuaiba Field. Submitted to Oman Oil Company Exploration & Production LLC (OOCEP).
3. **Al Aghbari M.**, Member of Expert Panel to provide opinion to the Appealing Court, the Council of Administrative Affairs for the Judiciary, Oman, on cases #313/314/412. (Spring 2016-Spring 2017).
4. **M. Al-Aghbari.** Yahia Mohammedzain “Clarifying some Terminology in Geotechnical Engineering”. IG/ENG/CAED/14/01, Sultan Qaboos University. (Funding: RO 500, 2014)
5. Mohamedzein, Yahia E-A.; Al-Rawas, Amer A.; **Al-Aghbari**, Mohammed Y. and Taha, Ramzi (2009). Assessment of Omani Clays for Use in Landfill Liners. Internal Research

No. IG/ENG/CIVL/02/03, Department of Civil and Architectural Engineering, College of Engineering, Sultan Qaboos University.

6. Mohamedzein, Yahia E-A., Al-Rawas, Amer A. and **Al-Aghbari, Mohammed Y.** “Characterization and Improvement of Sabkha Soils in Oman”, Final Report, Sultan Qaboos University, 2005.
7. R.A. Taha, **M. Al-Aghbari**, H. Hassan, A. Al-Harthy, M. Abdel-Halim, J. Abu Ashour and. “Use of Non-Fresh Water in Civil Engineering Construction.” Final Report, Petroleum Development Oman, 2003.
8. A. Al Rawas, **M. Al-Aghbari**, R. Taha." Evaluation of Soil Bearing Capacity ", Funded by PDO, Final Report, Petroleum Development Oman, 2003.
9. G. Ali , A. Seibi, **M. Al-Aghbari**, O.Satti and Mr. K Al-Shamsi. “Asphalt Pavements in Hot Climate: Characterization of Layer Material and Design”. Final Report, Sultan Qaboos University, 2002.
10. T. Cheema , **M. Al-Aghbari**, A. Al-Rawas, O. Satti, A. Al-Harthy and “Slope Stability Problems in Muscat Area - A Comprehensive Approach”, Final Report, Sultan Qaboos University, 1999.

Conference Attendance and Presentations:

1. GeoChina 2016, An International Conference , Shandong, China from July 25 to 27, 2016.
2. Second International Conference on Trends in Multidisciplinary Business and Economic Research (TMBER 25-26 March 2015) Global Illuminators, Bangkok, Thailand.
3. Geo-Changsha, An International Conference on Geotechnical Engineering, Changsha, China, 2007.
1. Third Gulf Conference on Roads (TGCR06), Muscat. Sultanate of Oman, 2006.
2. International Conference on Geotechnical Engineering, Sharjah, United Arab Emirates, 2004.
3. Geo Jordan, advanced in geotechnical engineering with emphasis on dams , highway material, and soil improvement, Jordan, 2004.
4. The 9th Arab Structural Engineering Conference, Abu Dhabi, UAE, 2003.
5. 2nd Conference on Advances in Soft Soil Engineering and Technology. Putrajaya Malaysia, 2003.
6. 2nd International Conference on Geotechnical and Geoenvironmental Engineering in Arid Land , Geotechnical and Geoenvironmental in Arid Lands, Riyadh, Saudi Arabia, 2002.
7. Developments in Arid Regions Research: Geoengineering in Arid Lands, United Arab Emirates, 2000.

Grant and Contract Support:

Consulting and Research Contracts

1. **Mohammed Al-Aghbari (P.I.)** and Yahia Mohamedzein (Co-Investigator): Stabilizing Problematic Soils Using New Cement Binders. Geosol Engineering Co. L.L.C), Oman. (2020 to Present). (Value: 5000 OMR).
2. علي النعيمي (الباحث الرئيسي)، **ومحمد الأغبري** (باحث مشارك) يحيى محمد زين (باحث مشارك) (2020). استشارة فنية لهيئة التحكيم في موضوع الخلاف بين شركة الغربية وشركة تكنيبلد فيما يخص عمل لخوازيق بمشروع خفر السواحل بمنطقة دبا- محافظة مسندم . (5000 ريال عمانى).
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4. **M. Al-Aghbari** ; The Appealing Court, the Council of Administrative Affairs for the Judiciary, Oman (Spring 2016-Spring 2017). Funding: R.O 30,000).
5. **M. Al-Aghbari**,. Yahia Mohammedzain “Clarifying some Terminology in Geotechnical Engineering”. IG/ENG/CAED/14/01, Sultan Qaboos University. (Funding: RO 500, 2014)
6. **Al-Aghbari, Mohammed Y.** ; Mohamedzein, Yahia E-A. (2012) The use of Dune Sand in Desert Areas as a Construction Material”. Internal Research, Total Budget 10000 RO.
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8. Mohamedzein, Yahia, Al-Rawas A. and **Al-Aghbari Mohammed Y.** “Compresibility and Shear Strength of Sabkha Soils” SQU internal Research No. IG/ENG/CAED/07/02. (Funding: RO 3,780, 2007-2008)
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19. G. Ali , A. Seibi, **M. Al-Aghbari**, O.Satti and Mr. K Al-Shamsi "Asphalt Pavements in Hot Climate: Characterization of Layer Material and Design". Sultan Qaboos University. (Funding: RO 6,720, 2000-2002)
20. T. Cheema , **M. Al-Aghbari**, A. Al-Rawas, O. Satti and A. Al-Harthy "Slope Stability Problems in Muscat Area - A Comprehensive Approach", Sultan Qaboos University. (Funding: RO 13,100, 1999-2002)