

# CURRICULUM VITAE

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**Date of Birth:** 1951.

**Current Title:** Professor of Civil Engineering/ Construction Engineering and Management.

## **Education**

- Ph.D.** Civil Engineering (Construction Engineering & Management). The University of Michigan, Ann Arbor, USA, 1985.
- M.Sc.** Construction Engineering and Management, The University of Michigan, Ann Arbor, USA, Dec. 1981.
- B.Sc.** Diploma of Civil Engineering, Moscow, USSR, June 1975.

## **Teaching Experience:**

- 1985 - up to now Faculty member of Civil Engineering Department, The University of Jordan.
- 2005 – 2009, The Hashemite University.
- 1999 - 2000 Al-Balqa Applied University, Amman College of Technology as a visiting faculty member during a sabbatical leave.
- 1996-1997 Mu'ta University as a visiting faculty member during a sabbatical leave.
- 1978-1980 Teaching & Research Assistant, Civil Engineering Department, The University of Jordan.
- Supervisory advisor of more than 20 master theses.
- A member of several supervisory committees on M.Sc. thesis at the University.

## Publications

1. Lama Abu-Reishah; **Mohammed A. Hiyassat**, (2021) The severity of design-construction interface risks in Jordanian construction industry, *International Journal of Construction Management*, <https://doi.org/10.1080/15623599.2021.1983930> 2021
2. Sweis GJ, Hiari A, Thneibat M, **Hiyassat MA**, Abu-Khader WS, Sweis RJ, (2021) Understanding the Causes of Material Wastage in the Construction Industry, *Sweis, Jordan Journal of Civil Engineering* 15 (2).
3. Adi, WA, **Hiyassat, MA**, Lepkova, N. (2021), Business strategy development model for applying knowledge management in construction, *Journal of Civil Engineering and Management* 27 (4), 246-259. <https://doi.org/10.3846/jcem.2021.14651> 2021
4. Khalid M. Alzubi, Ahmad M. Alkhateeb, **Mohammed A. Hiyassat (2021)** "Factors affecting the satisfaction of construction engineers: evidence from Jordan," published online 04 Jan 2021, <https://doi.org/10.1080/15623599.2020.1867945>
5. Ahmad M. AlKhateeb,; Khaled H. Al Hiyari,; **Mohammed A. Hiyassat**, 2020 "Analyzing Bidding Competitiveness and Success Rate of Contractors Competing for Public Construction Projects ", *Construction Innovation*, Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/CI-04-2020-0060>
6. **Mohammed A. Hiyassat**, Fatima Alkasagi, Mohammad El-Mashaleh, Ghaleb J. Sweis, 2020, Risk allocation in public construction projects: the case of Jordan, *International Journal of Construction Management*, <https://doi.org/10.1080/15623599.2020.1728505>
7. Mokhled Altarawneh, Sultan Altarawneh, Buthaina Albawaleez, **Mohammed Hiyassat**, Dec. 2018, Exploring the factors affecting the adoption of cloud computing to improve project management practice: an analysis of the ICT perspective in Jordanian private sector, *International Journal of Civil Engineering and Technology (IJCET)* 9(13), pp. 1829-1842.
8. Hatamleh, M.T., **Hiyassat, M.**, Sweis, G.J. and Sweis, R.J. (2018), "Factors affecting the accuracy of cost estimate: case of Jordan", *Engineering, Construction and Architectural Management*, Vol. 25 No. 1, pp. 113-131. <https://doi.org/10.1108/ECAM-10-2016-0232>
9. Alaa Khraisat, Rateb Sweis, Rawan Saleh, Taghrid Suifan, **Mohammed Hiyassat**, Adel Sarea, 2017, The assessment of service quality in private hospitals in Amman area using gap approach, *International Journal of Productivity and Quality Management*, 22(3), pp 281-308.
10. Ruba Abuhussein, Afnan Alawneh, Mutaz Al-Debei, **Mohammed Hiyassat**, Rateb Sweis, 2016, Project Management Factors Affecting the Enterprise Resource Planning Projects' Performance in Jordan, *Journal of Systems and Information Technology* 18(3) pp.230-254, <https://doi.org/10.1108/JSIT-03-2016-0020>,

11. Ghaleb Sweis, **Mohammed Hiyassat**, Faris Hroub, 2016, Assessing Lean Conformance by First-grade Contractors in The Jordanian Construction Industry, *Construction Innovation: Information, Process, Management*, Vol. 16 No. 4, pp. 446-459 © Emerald Group Publishing Limited.
12. Bayan Omar, **Mohammed Hiyassat**, Ghaleb J. Sweis, Ayman B. Abdallah, Rawan Saleh, Rateb Sweis, 2016, "Evaluation of green building awareness in the construction industry: the case of Jordan", *Interdisciplinary Environmental Review*, 17(3/4), 209–231, DOI: 10.1504/IER.2016.080236.
13. **Mohammed Hiyassat**, Montaser Hiyari, and Ghaleb Sweis, 2016, Factors Affecting Construction Labor Productivity: A Case Study of Jordan, *IJCM*, DOI: 10.1080/15623599.2016.1142266
14. Sandra Matarneh, Karim Aljebory, **Mohammed Hiyassat**, 2015, Factors Causing Cost Overrun In Jordanian Construction Industry, book of Proceeding, First Isra International Engineering Conference, Isra University, Amman, Jordan, 7-8 April,
15. Ghaleb Sweis, Rateb Sweis, Ruba AbuHussein, **Mohammed Hiyassat**, and Taghrid Suifan, 2014, "Priority Setting for Healthcare Facilities Maintenance" *Life Science Journal*, 11(2s).
16. **Mohammed Hiyassat** and A. Assaad, "Lightweight Concrete Using Perlite and Pumice" accepted for publication in *Zaytoonah University International Engineering Conference on Design and Innovation in Infrastructure 2012*.
17. Malek Abu Ruman, **Mohammed Hiyassat**, Bashar Al-Smadi, Ahmad Al-Jamrah, and Maha Alqam, "A surface water management model for integrated Southern Ghor Project, Jordan" *Construction Innovation*, Vol 9, Number 3, 2009.
18. Malek Abu Rumman, **Mohammed Hiyasat**, Ghaleb J Sweis, Rateb Sweis, 2009, Assessment of droughts in Jordan: The Yarmouk and Zarqa Basin, *Management of Environmental Quality: An International Journal* 20 (6), 696-711.
19. **Mohammed A. Salem Hiyassat**, "Determining the Interest and Capital Portions in the Uniform Cash Flow Series", *Dirasat, Engineering Sciences*, Volume 30, No. 2, 2003. The University of Jordan.
20. **Mohammed A. Salem Hiyassat** "Modification of minimum moment approach in resource leveling", *Journal of Construction Engineering and Management*, American Society of Civil Engineers Vol. 126 No. 4, August 2000.
21. **Hiyassat, M. A. S.**, 2001, Construction bid price evaluation, *Canadian Journal of Civil Engineering*, 28 (2), 264-270
22. **Hiyassat, M. A. S.**, "Applying modified minimum moment method to multiple resource leveling", *Journal of Construction Engineering and Management*, American Society of Civil Engineers, Vol. 127, No. 3, 2001.
23. **Hiyassat, M. A. S.**, "Applying the ISO standards to a construction company: A case study". *International Journal of Project Management*, Elsevier Science Ltd and IPMA, Vol. 18, No. 4, 2000.

24. **Hiyassat, M. A. S.**, and Rawajfeh, K., “Alternative models for finding cumulative paid capital and remaining balance for a uniform series of cash flows”, The Engineering Economist, American Society for Engineering Education and Institute of Industrial Engineers, Vol.46. No.3, 2001.
25. **Hiyassat, M. A. S.**, and Talhoni, B., T., “Construction safety in developing countries: a case study of Jordan”. Abhath Al-Yarmouk, Basic Sciences and Engineering Series, Yarmouk University, Vol. 9, No. 2, 2000, pp 133 - 147.
26. **Hiyassat, M. A. S.**, “Modifying Pack Method” A report submitted to the University of Jordan, September, 2000.
27. **Hiyassat, M. A. S.**, “A study on construction labor force in Jordan”, Dirasat, Natural and Engineering Sciences. The University of Jordan, Vol. 25 No. 2. 1998.
28. **Hiyassat, M. A. S.**, “A Study on construction labor force in Jordan”, a report submitted to the University of Jordan, Sept. 1996.
29. **Hiyassat, M.A. S.**, A training course manual in project management for the Ministry of Water and Irrigation in Jordan. 1996.
30. **Hiyassat, Mohammed A.** and Tantawi, H “Analysis of construction industry in Jordan 1980 - 1990” Al-Balka Journal of Research and Studies, Amman University, Vol. 2, No 2., 1994.
31. Tantawi, H. and **Hiyassat, Mohammed A.** “Evaluation of consolidated concrete and its acceptance criteria” Mu'tah Journal for Research Studies, Vol. 8, Dec., 1993, University of Mu'tah.
32. **Hiyassat, Mohammed A.** and Assad, A.H., “ Evaluation of the Jordanian experience in management of urban road maintenance” “Dirasat for Engineering And Technology Journal, University of Jordan, Vol.19B, No.4, 1992.
33. **Hiyassat, Mohammed A.** “Problems of Jordanian contractors” Mu'tah Journal For Research and Studies, Natural & Applied Science, Vol. 6, No. 1, 1991.
34. **Hiyassat, Mohammed A.**, “The effect of the classification of a Jordan contractor on his problems” Al-Azhar Engineering Second International Conference, University of Al-Azhar, Cairo, Egypt, Dec., 1991.
35. Qattamine, N. and **Hiyassat, Mohammed A.** “A critical view of traffic safety and management in a developing country; a case study of Jordan” International Conference on Strategic Highway Research program and Traffic Safety on Two Continents, Transportation and Research Council “TRB” and Swedish Road and Traffic Research Institute, “VTI”, Sept., 1991.

## **Managerial Experience**

- 2016-2017 Vice president, Al-Balqa Applied University

- 2007 - 2009 Vice president, The Hashemite University for administrative affairs. Among the responsibilities were the chairing of both the Central Tendering Committee and the Committee for Employees Affairs.
- 2005 - 2007 Dean Faculty of Engineering, Hashemite University. During this period I founded two departments, architecture and computer engineering
- 2009 – 2013 Board of Trustees member of the Middle East University.
- 2013 – 2014 Dean Faculty of Engineering, Middle East University.
- 2003 – 2005 Vice dean of Faculty of Engineering & Technology, University of Jordan.
- 1998 - 1999 Chairman of Civil Department, University of Jordan.

### **Others**

- 2011-2013 Member of Research Board, The University of Jordan
- 2012 – Sept. 2013 Head of Central Tendering Committee in The University of Jordan
- 1976 - 1978 Consultant Engineer, Sigma Consulting Engineering, Amman, Jordan.
- 1975 - 1978 Ministry of Public Works, Laboratory of Construction Materials, Amman, Jordan.

### **Experience with Ministry of Higher Education and Research**

- Two year membership of “Committee for Legalizing Foreign Engineering Certificates”  
" لجنة معادلة الشهادات الهندسية "
- Member of tens of accreditation committees to several universities

### **Awards**

- A prize winner of “Excellence in Safety and Occupational Health for the year 2001” granted by the General Social Security Establishment of Jordan for the paper “Construction Safety Management in Developing Countries: A Case Study of Jordan”.

### **Courses Taught:**

- Project Management (MSc level)
- Project Appraisal (MSc level)
- Project Management and Resource Planning (MSc level)
- Human Resources management for engineers (MSc. Level)
- Special topics (MSc level)
- Scheduling Techniques (MSc level)
- Financial Management and Procurement(MSc level)
- Advanced Engineering Economy (Msc level),
- Construction Management (Msc)
- Construction Scheduling & Management (Bachelor level)
- Construction Methods & Equipment, (Bachelor level)
- Project management, (Bachelor level)
- Specifications & Contracting, (Bachelor level)
- Engineering Economy, (Bachelor level)

## Training Courses

- A main lecturer in many training courses, both inside and outside the University of Jordan. The major topics were: project feasibility studies and financial evaluation, construction management, tender evaluation, construction project planning, and project scheduling.
- Prepared course material in *Project Management* (in English) for Water Authority engineers.

## General

- Two year membership of “committee to legalize certificates of foreign university”, The Ministry of Higher Education, Amman, Jordan.
- Attending several conferences, workshops, symposiums related to civil engineering in general, and to construction industry in particular.
- A member of committee in preparing course outline for community colleges in Jordan
- A member of several different committees in the University of Jordan.
- A member of a higher committee to manage the construction of the Faculty of Education 1992 - 1995.
- A member of a team to evaluate the feasibility study of constructing a stadium on behalf of the University of Jordan.

### ما يخص الدراسات العليا

- عضواً في لجنة كلية الدراسات العليا للكليات العلمية
- عضواً في لجنة الدراسات العليا في قسم الهندسة المدنية
- مشرفاً لشعبة إدارة المشاريع
- مرشداً أكاديمي لطلبة ماجستير إدارة المشاريع الهندسية