

Curriculum Vitae



Name: Professor, Dr. Hamed Muhammed JASSIM
Specialization: General: Mining Engineering; Specific: Tunneling Engineering
Date of Birth: 1-7-1952, Baghdad
Nationality: Iraqi
Gender: Male
Marital Status: Married, 4 children
Address: Permanent : Iraq, Baghdad, Hay Al-Adil, Dist. 649
Recent : Iraq, Kurdistan Region, Erbil, MRF-Quattro Residence
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E-Mail Address: hamed.jassim@tiu.edu.iq ; hamed.jassim@koyauniversity.org

Languages: Arabic - (mother tongue),
English -Fluent ,
German - Fluent,
Kurdish - Beginner

Academic Qualification:

1972-1973 G.C.E. (Mining Eng.), Dudley Technical College, England
1973-1976 B.Sc. (Mining Eng.), Leeds University, England
1976-1977 M.Sc. (Applied Geophysics), Leeds University, England
1980-1985 Assistant Lecturer, Petroleum and Mining Eng. Dept., College of Eng., Baghdad Univ.
1986-1990 Ph.D. (Dr-mont), Leoben School of Mines, Austria [Mining (Tunneling) Eng.]

Employment:

1991-1996 Lecturer, College of Eng. Universty of Baghdad.
1996-2002 Assistant Dean for Scientific and Students Affairs of the College of Engineering / Baghdad Univ.
July 1998- Dec. 1998 Visiting Professor at the University of Khartoum / College of Eng. & Architecture / Mining Eng. Dept.

July 1999- Dec. 1999	Visiting Professor at the University of Khartoum / College of Eng. & Architecture / Mining Eng. Dept.
July 2000- Dec. 2000	Visiting Professor at the University of Khartoum / College of Eng. & Architecture / Mining Eng. Dept.
Dec. 2000- July 2001	Assistant Dean of College of Eng.
July 2001- Dec. 2001	Visiting Prof.at the University of Khartoum / College of Eng. & Arch.
Dec. 2001- Sep. 2002	Lecturer at Baghdad Univ. /College of Eng. / Petroleum Eng. Dept.
Sep. 2002- May 2003	Assistant Dean of College of Engineering Two(Al-Khawarizmi Eng. College)/ Baghdad Univ.
May 2003- June 2003	Dean of College of Engineering Two (Al-Khawarizmi Eng. College)/ Baghdad Univ.
Sep. 2004- April 2006	Lecturer / Assistant Professor at Baghdad Univ. / Al-Khawarizmi Eng. College.
8 Feb. 2005	Promotion to Assistant Professor by the University Promotion Committee.
April 2006 – June 2015	Assistant Professor / Koya University – College of Eng., Koya,Kurdistan Region.
4.4.2015	Promotion to Full Professor by Koya University Promotion Committee.
4 April 2015- Now	Full Professor /Koya University-Faculty of Engineering/Koya, Kurdistan Region.
Oct 2015- Feb 2016	Visiting Lecturer/ University of Kurdistan-Hewler- Nutural Resources Engineering & Management.
Feb 2016- June 2016	Visiting Lecturer/ University of Kurdistan-Hewler- Nutural Resources Engineering & Management.

Sept 2016- Assistant Professor/ University of Kurdistan-Hewler (UK-H) - Natural Resources
Sept 2019 Engineering & Management (NREM).

Oct. 2019- Professor / Tishk International University (TIU), Petroleum & Mining Eng. Dept
Now

Courses Taught:

- 1 – Engineering Drawing (First year students, Petroleum and Mining Eng. / College Of Eng. / University of Baghdad).
- 2 – Descriptive geometry (First year students, Petroleum and Mining Eng./ College Of Eng. / University of Baghdad).
- 3 – Mining Engineering (Third year students, Petroleum and Mining Eng./ College Of Eng. / University of Baghdad).
- 4 – Mineral Technology (Fourth year students, Petroleum and Mining Eng./ College Of Eng. / University of Baghdad).
- 5 – Exploration Geophysics (Third year students, Petroleum and Mining Eng./ College of Eng. / University of Baghdad).
- 6 – Engineering Statistics (Third year Students, Pet. & Mining Eng. Dept., and second year students, Chemical Engineering Dept./ College of Engineering / University of Baghdad).
- 7 – Mine Transport and Material Handling (M. Sc. Students Department of Production and Metallurgical Eng. University of Technology - Baghdad).
- 8 – Mineral Processing (final year students, Mining Eng. Dept. College of Engineering & Architecture / University of Khartoum).
- 9 – Geophysical Prospecting (final year students, Mining Eng. Dept. College of Engineering & Architecture / University of Khartoum).
- 10 – Design of Pit Slope (final year students, Mining Eng. Dept. College of Engineering & Architecture / University of Khartoum).
- 11 – Underground Mining Methods (Fourth year students, Mining Eng. Dept. / University of Khartoum).
- 12 – Technical English (First Year Students, Geotechnical Eng., Civil Eng., Chemical Eng., Petroleum Eng. / College of Engineering/ Koya Univ.).
- 13 - Mining Engineering, Mine Transport & Material Handling, Mineral Processing Technology (for M.Sc. Programme/ Geotechnical Eng. Dept. /Koya Univ.).

- 14 – Mining Engineering (Final year students, Geotechnical Eng. Dept./Koya Univ.)
- 15 – Tunneling Engineering (Final year students, Geotechnical Eng. Dept./Koya Univ.).
- 16 – Road Pavement & Asphalt Technology (third year students, Geotechnical Eng. Dept./ Koya Univ.).
- 17 – Geotechnical Measurements (final year students, Geotechnical Eng. Dept./ Koya Univ.).
- 18- Seismic Methods & Interpretation, UK-H/ NREM – PE202 – UG2- Semester 2/ 2013-2014 and 2014-2015.
- 19- Introduction To Geophysics (UK-H / NRE201- UG2 – Semester 1 / 2015-2016, 2016-2017, 2017-2018 and 2018-2019).
- 20- Mining Engineering (UK-H / MRE305a – UG3-306 – Semester 2 / 2015-2016 and Semester 1/ 2016-2017, 2017-2018 and 2018-2019).
- 21- Mineral Processing Engineering (UK-H / MRE306a – UG3-306 – Semester 2 / 2015-2016, 2016-2017, 2017-2018 and 2018-2019).
- 22- Mine Transport & Material Handling, UK-H / MRE 407 –UG4 – Semester 2 / 2016-2017, 2017-2018 and 2018-2019.
- 23- Engineering Drawing PTR-111, Tishk International University (TIU) / Semester 1/2019-2020.
- 24- Introduction to Mining PTR-318, TIU/Semester 1/2019-2020 and 2020-2021.
- 25- Rock Mechanics PTR-339, TIU/Semester 1/2019-2020 and 2020-2021.
- 26- Mining Engineering PTR-324, TIU/Semester 2/2019-2020 and 2020-2021.
- 27- Engineering Drawing SGE-102, TIU/Semester 2/2019-2020.
- 28- Mine Transport & Material Handling PTR-413, TIU/Semester 1/2020-2021
- 29- Tunneling Engineering-Ph.D. Course, Salahaddin University/Semester 1/2020-2021
- 30- Mineral Processing Engineering PTR-423, TIU/Semester 2/2020-2021

Published Books

1. Elements of Mining, by Young (Translation as a Text Book into Arabic), 1985.
2. Mineral Processing Technology, by B. A. Wills (Translation as a Text Book into Arabic), 1984

Researches and Technical Studies:

1. Magnetic Separation of Al-Hussainyat iron ore, Engineering Journal/ College of Eng/ Baghdad Univ., Volume 3, No. 2 , November 1997.

2. Magnetizing reduction of iron ores through direct contact with heavy oil, Engineering Journal/ College of Eng/ Baghdad Univ., Volume 4, No. 3 , September 1998.
3. Preliminary Design of AL-Hussainyat iron ore Mine, Western Desert, Iraq for The State Establishment for Exploitation Works/ Ministry of Industry and Minerals, September 1994.
4. Design of Diversion Tunnel of Adhaim Dam for the Furat Centre of the Design of Irrigation Projects/ Ministry of Agriculture and Irrigation, June 1992.
5. A study into some conditions for the Benefication of Akashst phosphate Rocks, Journal of Engineering & Technology/ University of Technology-Baghdad, Volume 20, No. 4 , 2001.
6. A simple method for studying Crushability and Grindability of Rocks and Minerals, The Iraqi Journal of Chemical & Petroleum Engineering, Volume 5, No. 3 , 2004.
7. A study for the Excavation of Passenger stations for the Planned Baghdad Metro Project (Route1) for the Commission of Express Ways / Ministry of Transport, Feb. 2003.
8. “ Pollution Issues in Iraqi Kurdistan Region “ , The International Journal of Engineering Trends and Technology, IJETT Volume 4, Issue 5 – 2013.
9. “ Lead Pollution In Iraqi Kurdistan Region “, The International Journal of Engineering Trends and Technology, IJETT Volume 4, Issue 6 – June 2013.
10. “ Environmental Issues in Erbil City “, The International Journal of Engineering Trends and Technology, IJETT Volume 4, Issue 8 – August 2013.
11. “ Optimum Use of Plastic Waste to Enhance the Marshal Properties and Moisture Resistance of Hot Mix Asphalt “, The International Journal of Engineering Trends and Technology, IJETT Volume 7, Number 1 – January 2014.
12. “ Slope Stability Assessment along Haibat Sultan Main Road-Koya-Kurdistan “, First International Symposium on Urban Development – Koya as a Case Study, Koya University-Wessex Institute of Technology, Koya 16 – 18 December 2013.
13. “ A Comparative Study of the Suitability of Dakuk, Kirkuk-Iraq and Tuz, Salahaddin-Iraq Coarse Aggregates for Construction Purposes “,The International Journal of Engineering Trends and Technology, IJETT Volume 10, Number 8 – April 2014.

14. “ Modelling Study on the Suitability of Demolishing Waste for the Production of Hot Mix Asphalt “, The International Journal of Applied Engineering Research, IJAER Volume 9, Number 17 – June 2014.
15. “ On The Landslide Of Daigala Slope – Kurdistan – Iraq “ , The International Journal of Engineering Trends and Technology, IJETT Volume 12, Number 10 – June 2014.
16. “Environmental Issues Caused By Increasing Numbers Of Vehicles In Iraq” , Published in the proceedings of the International Conference on Energy & Sustainability 2014, in Kuala Lumpur, Malaysia, from 16.12.2014 Till 18.12.2014.
17. “Effect Of Crude Oil Products On The Geotechnical Properties Of Soil” , Published in the proceedings of the International Conference on Energy & Sustainability 2014, in Kuala Lumpur, Malaysia, from 16.12.2014 Till 18.12.2014.
18. “ Characterization of Rock Mass Units Along The Abandoned Haibat Sultan Tunnel, Koya City, NE. Iraq “, International Journal of Engineering Technology Management and Applied Sciences (IJETMAS), Volume 3, Issue 3, March 2015.
19. “ Investigation into Iraqi DC Power Supply Pollutants “,International Journal of Engineering Technology Management and Applied Sciences (IJETMAS), Volume 3, Issue 7, July 2015.
20. “ Guidelines On The Excavation Process & Support Measures Of The Abandoned Haibat Sultan Tunnel, Koya City, NE. Iraq “, International Journal of Engineering Technology Management and Applied Sciences (IJETMAS), Volume 3, Issue 8, August 2015.
21. “ Strength and Behavior of Self Compacting Concrete with Glass Waste as Partial Replacement for Coarse Aggregate under Elevated Temperature. “,International Journal of Engineering Technology Management and Applied Sciences (IJETMAS), Volume 4, Issue 3, March 2016.
22. “ Environmental Impact of Electrical Power Generators in Iraq. “,International Journal of Engineering Technology Management and Applied Sciences (IJETMAS), Volume 4, Issue 3, March 2016.
23. “Experimental Study Of Polypropylene Fiber-Reinforced Concrete “, Int. Journal of R & D in Eng, Science & Management, IJRnDESM Vol. 4, Issue 3-July 2016.
24. “ Automobiles’ Gasoline Pollution Issues in Iraqi Kurdistan Region “, International

Conference on Environmental
Impact of Oil & Gas Industries, Kurdistan Region as A Case Study, EIOGI 2017 at
Koya University, 17 – 19 April 2017.

25. “ Sulfuric Acid Leaching of Copper from Mawat Complex Sulphide Ore in Sulaimaniya – NE Iraq in the Presence of Hydrogen Peroxide Using Taguchi Method “, Int. Journal of Research & Development in Engineering, Science & Management, IJRnDESM, Volume 5, Issue 6, May 2017.
26. “Solvent Extraction and Electro-Wining from Copper Leaching Product of Mawat Sulfide Ore Using Taguchi Method”, UKH Journal of Science and Engineering, Volume 1, Number 1, December 2017.
27. “Portal Landslide Analysis of the New Haibat Sultan Tunnels in Koya, Kurdistan Region, Iraq”, 14 th. International Conference on Underground Construction Prague 2019, 3-5 June 2019.
28. “The Proximate Analysis Method for the Composition Determination of Different Coal Types”, 6th. International Engineering Conference “Sustainable Technology and Development” (IEC – 2020), Erbil, Iraq, June 24, 2020 UTC IEEE Xplore.
29. “Chert Deposit Used in Cement Production as a Quartz-Sand Alternative in the Iraqi Kurdistan Region: An Assessment Study”, Int. Journal of Geotechnical and Geological Engineering, Vol. 38, No. 5, February 2021, PP. 1451-1464.
30. “Slope Stability Analysis of Haibat Sultan Road Cut, Kurdistan Region, Iraq Using a Field Method”, Iraq Geological Journal (IGJ), Vol. 154, No. 1F, July 2021.
31. “The Obstacles and Opportunities of the Mineral Resources in the Kurdistan Region, Iraq”, Iraq Geological Journal (IGJ), Vol. 154, No. 2B, September 2021.

Supervision, Consultation & Practical Experience:

1. Supervision on the construction of Irrigation and power tunnels, Adhaim Dam during 1991 and 1992.
2. Consultation services for Petroleum Research and Development center in the field of powder Technology during 1996 and 1997.
3. Consultation services for the state establishment for exploitation works in the field of

open pit mining and mine design during 1994.

4. Consultation services for the Iraqi Oil Company, Department of Underground Storage Caverns during Summer 2001 and 2002.
5. Working with KAR construction & Engineering since April 2004 as a consultant and senior adviser (Follow-up of projects, Head of design department, Tenders preparation, Supervision & Technical Evaluation, Preparation of Daily, Weekly and Monthly Reports on ongoing projects, taking part in contractual negotiations for various projects).
6. Participation in the Fulbright Visiting Scholar Program for Iraq during the period from 26.6.2011 till 3.9.2011 at Michigan State University (MSU) in the United States of America. A certificate of completion was awarded by both, Michigan State University and the J. William Fulbright Foreign Scholarship Board and the Bureau of Educational and Cultural Affairs of the United States Department of State in recognition of the successful completion of the Fulbright Scholarship Program. (See attached certificates).

Supervision on M.Sc. and Ph.D. Theses:

1. Magnetic Separation of Al-Hussainyat Iron Ore (M.Sc. Thesis- College of engineering – University of Baghdad -1994).
2. A study into some conditions for the Beneficiations of Akashat Phosphate Rocks (M.Sc. Thesis – University of Technology – Baghdad 1999).
3. Beneficiation of Low Grade Chromite in the Inngessana Hills (M.Sc. thesis – University of Khartoum – 2000, Uncompleted).
4. Beneficiation of Sulphide Mineral in Aryab Area (M.Sc. Thesis – University of Khartoum – 1999, Uncompleted).
5. A study of failures around underground openings (Ph.D. Thesis University of Khartoum – 2000, Uncompleted).
6. Evaluation of Geotechnical Properties of Black Clay Rocks for Mining Purposes in Al-Hussainyat Area/ Western Desert-Iraq (Ph.D. thesis- University of Baghdad, Feb. 2004).
7. Primary Geotechnical Assessment of Haibat Sultan Area and its Suitability for

Proposed Tunnel Construction (M.Sc. thesis – Koya University, College of Eng., Geotechnical Eng. Dept., Jan. 2009).

8. Extraction of Copper from Copper Deposits in Mawat Area at North of Iraq, (M.Sc. University of Technology, Department of Production Eng. & Metallurgy, Baghdad, 19.10.2017).

Membership of Postgraduate Examination and Defence Committees:

1. M.Sc. Thesis (Magnetizing Reduction of Al-Hussainyat Iron Ore by Heavy Oil), University of Baghdad, M.Sc. Candidate Ghanim Saddam Hassan, October 1996.
2. M.Sc. Thesis (A study into some conditions for the Beneficiation of Akashat Phosphate Rocks), University of Technology- Baghdad, M.Sc. Candidate Hijran Zainulabideen Tu'ma, July 1999.
3. M.Sc. Thesis (The Processing of Iraqi Bauxite and its use for the manufacturing of melting cubicles), University of Technology- Baghdad, M.Sc. Candidate Muna Yousuf Slaiwa Al-Bazi, 24th February 2005.
4. M.Sc. Thesis (The Purification of Iraqi Kaolinite and its use for the manufacturing of high strength ceramic sections), University of Technology- Baghdad, M.Sc. Candidate Ruba jamal Putrus, 3rd March 2005.
5. Ph.D. Thesis (Mining Geology and Environmental Impacts of Raw Materials Quarrying for Cement Industry in Badush Area/ Nienavah Governorate and its Remedies), University of Baghdad, Ph.D. Candidate Waleed Michael Jabboury, 1st September 2005.
6. M.Sc. Thesis (Engineering Geological study of slope stability along Kirkuk-Koya Road, Kurdistan Region-Iraq), University of Koya, M.Sc. Candidate Bahra Dhahir Ghafour, 28th September 2008.
7. M.Sc. Thesis (Effect of Land-Fill Soil Reinforcement on Performance of Foundations Under Static Load), University of Koya, M.Sc. Candidate Muhammed Omar Ali, 18th December 2008.
8. M.Sc. Thesis (Geotechnical Assessment of Haibat Sultan Formations and their Suitability for Tunnel Construction), University of Koya, M.Sc. Candidate Hemen Muhammed Ameen Omar, 3rd March 2009.

9. Ph.D. Thesis (Geotechnical Evaluation of the Proposed Dam Site on Basara Stream near Delizha Village, Sulaimania, Kurdistan Region, NE – Iraq), University of Sulaimania, Kurdistan Region-Iraq, Ph.D. Candidate Ghafour Ameen Hama Sour, 6th December 2009.
10. M.Sc. Thesis (Extraction of Magnisium Oxide from Dolomite), University of Technology-Baghdad, Candidate: Farah Ismaeel Ibraheem, 29.10.2015.
11. M.Sc. Thesis (Analytical Study of Joints in Baba Dome-Kirkuk Structure/ Northern Iraq), University of Kirkuk, Applied Geology Department, Candidate: Abdulkareem Muhammed Salih, 6.3.2016.
12. M.Sc. Thesis (A Study of the Fractures at ShewaSur – Chemchamal Fold, North-East of Iraq), University of Kirkuk, Candidate: Aryan Saber Ahmed, 14.5.2017.
13. M.Sc. Thesis (Extraction of Copper from Copper Deposits in Mawat Area at North of Iraq), University of Technology, Department of Production Eng. & Metallurgy, Baghdad, Candidate:Layla Sabah Oudah, 19.10.2017 .
- 14.M.Sc. Thesis (Analytical Study of Joints in Bulkana Anticline/ North-East Iraq), University of Kirkuk, Applied Geology Department, Candidate: Zakariya Ghasim Jaddaa, 8.3.2018.
- 15.M.Sc. Thesis (Use of By-Pass Cement Dust for Production of Glass Ceramic Composite Material), University of Technology, Department of Production Eng. & Metallurgy, Baghdad, Candidate:Shaymaa Jaafar Salih, 16.5.2019 .
16. M.Sc. Thesis (Evaluation of Cementing and Casing Design in Selected Kurdistan Region Wells), Technical College of Engineering / Sulaimani Polytechnic University/ Petroleum & Energy Engineering Department, Candidate: Mohammed Jamal Awl, 10.3.2021.

Activities At The University Of Kurdistan – Hewler (UK – H):

Lecturing:

- 1- Seismic Methods & Interpretation, UK-H/ NREM – PE202 – UG2- Semester 2 /2013-2014 and 2014-2015.
- 2- Introduction To Geophysics, UK-H / NRE201- UG2 – Semester 1 / 2015-2016,

2016-2017, 2017-2018 and 2018-2019.

- 3- Mining Engineering (UK-H / MRE305a – UG3-306 – Semester 2 / 2015-2016, 2016-2017, 2017-2018 and 2018-2019).
- 4- Mineral Processing Engineering (UK-H / MRE306a – UG3-306 – Semester 2 / 2015-2016, 2016-2017, 2017-2018 and 2018-2019).
- 5- Mine Transport & Material Handling, UK-H / MRE 407 –UG4 – Semester 2 / 2016-2017 and 2017-2018.

Responsibilities:

- 1- Coordinator of the Mineral Resources Engineering Departments, UK-H, NREM, 2016-2017, 2017-2018 and 2018-2019.
- 2- Interviewing new applicants for the UG and PG Programmes for the Mineral Resources Engineering Department, UK-H, September 2016.
- 3- Supervising the MRE Desk for the Open Day of UK-H, at the Cafeteria on 6 October 2016.

Other Activities:

- 1- Participation in DAAD-Workshop entitled “ Modern Measurements in Engineering Laboratories Using Labview-Dasylab Programme “ at the Mechanical Eng. Dept, College of Eng, Salahaddin University, from 16 – 17 October 2016.
- 2- External Examiner at Khartoum University, Mining Eng. Department, the Sudan in August 2017.
- 3- External Examiner at Khartoum University, Mining Eng. Department, the Sudan in August 2018.



Certificate of Completion

*The J. William Fulbright Foreign Scholarship Board
and The Bureau of Educational and Cultural Affairs
of the
United States Department of State*

award this certificate to

Hamed Muhammed Jassim Jassim

*in recognition of successful completion of the
Fulbright Scholarship Program*

June 26 - September 3, 2011
Washington, DC

Handwritten signature of Anita P. McBride in black ink.

Chairman, J. William Fulbright
Foreign Scholarship Board

Handwritten signature of Ann Stock in black ink.

Assistant Secretary of State
for Educational and Cultural Affairs





MICHIGAN STATE UNIVERSITY COLLEGE OF ENGINEERING

Fulbright Visiting Scholar Program for Iraq

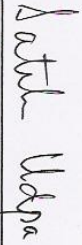


*Certificate of Completion
Awarded to*

Hamed Muhammed Jassim


*in recognition of the successful completion of the ten-week program in the
College of Engineering
coordinated by Michigan State University*

June 30 - September 3, 2011



Satish Udupa, Ph.D.
Dean
College of Engineering
Michigan State University





Lou Anna K. Simon, Ph.D.
President
Michigan State University