

Curriculum Vitae

Name : Asma Thamir Ibraheem

Sex : Female

Nationality: Iraqi

Date of Birth: 6/9/1966

Qualification: Ph.D. / Asst. Prof.



Job Address: Al-Jadriah / Baghdad / Iraq / Nahrain University/College of Engineering/ Civil Engineering Department.

Home Address: Al-Karrada / District 903/ Street 8 / House 78 / Baghdad / Iraq.

E - Mail: asma.th.ibraheem@nahrainuniv.edu.iq

Language Skills: Mother tongue Arabic, English, French.

Websites:

1. <http://eng.nahrainuniv.edu.iq/content.php?ctgryid=24>
2. https://www.researchgate.net/profile/Asma_Ibraheem2
3. <https://scholar.google.com/citations?user=JpUC1FQAAAAJ&hl=en>
4. <HTTP://ARID.MY0001-4931>

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Researcher ID : L-1623-2016

Scopus Author ID : 55147707500

Educational Degree:

1. Ph.D. in Civil Engineering/Roads and Airports Engineering, Al-Nahrain University, Baghdad, Iraq 2003.
2. M.Sc. in Surveying Engineering, Baghdad University, Iraq 1997.
3. B.Sc. in Surveying Engineering, Baghdad University, Iraq 1988.

Work Experience:

Title: Engineer, Civil Department, College of Engineering, Al-Nahrain University.

Period: 1989 - 2003

Title: Faculty Member, Civil Department, College of Engineering, Al-Nahrain University.

Period: 2003 till now.

Title: Assistant of the head Civil Engineering Department.

Period: 2003-2006.

Title: Head Civil Engineering Department.

Period: 18-May-2015 till now.

Professional Achievements:

1. Ph.D. Study: Optimum Transportation Route through Heterogeneous Terrain.
2. M.Sc. Study: Utilization of Local Resources to Develop GIS in Surveying and Route Location.

3. Full Member of the American Society of Civil Engineers (ASCE), Member ID # 1004100.
4. Consultancy experience in highway materials, highway construction, evaluation of roadway traffic systems, specification for roadways and bridges and Geometric highway design.
5. Member of the International Geoinformatics Research and Development Journal (IGRDJ), INTERNATIONAL ASSOCIATION FOR GEOINFORMATION AND COMMUNICATION TECHNOLOGY (AGeoICT), Registration Number: [16112011-1], CANADA.
6. Member of the Asian Research Publishing Network (ARPN) Journal for Engineering and Applied Sciences, Pakistan.
7. Reviewer in ASCE : Journal of Transportation Engineering, USA.
8. Reviewer in the Open Journal of Civil Engineering (OJCE), USA.
9. Reviewer in the British Journal of Applied Science & Technology , SCIENCEDOMAIN *international* (SDI) publishes, International.
10. Member in ARAB RESEARCHER ID: 0001-4931, [HTTP://ARIDMY/0001-4931](http://ARIDMY/0001-4931).

Research Activities and Training Courses:

1. Advisor for final year student projects
2. Advisor for M.Sc. student theses.
3. Advisor for Ph. D. student theses.
4. Publications of many research papers in the field of Surveying Engineering, Civil Engineering and Transportation Engineering, Geographic Information System (GIS).
5. Training Course under the program of UNESCO, for the period from 2 Oct 2006 to 2 Dec 2006, Polytech Lille University, Lille, France.
11. Editor board in International Geoinformatics Research and Development Journal (IGRDJ), INTERNATIONAL ASSOCIATION FOR GEOINFORMATION AND COMMUNICATION TECHNOLOGY (GeoICT), CANADA.
<http://www.igrdg.com>
12. Editor board in the Asian Research Publishing Network (ARPN) Journal for Engineering and Applied Sciences, Pakistan. <http://www.arpnjournals.com>
13. Reviewer in ASCE : Journal of Transportation Engineering, USA.
14. Reviewer in Open Journal of Civil Engineering (OJCE), USA.
15. Advisor for Post graduate student theses in Gaziantep University/ Turkey.

Academic Activities:

The following courses have been given:

1. Engineering Drawing
2. Transportation Engineering
3. Engineering Mathematics
4. Surveying
5. Geomatics
6. Internet Technology
7. Advanced Engineering Analysis
8. Geotechnical Aspects in Pavement Design and Constructions.
9. Engineering Optimization
10. Airport Engineering
11. Bridge Engineering

12. GIS and Remote Sensing
13. Supervision of final Year projects.
14. Supervision of M.Sc. theses.
15. Member in many examination committees for Ph.D and M.Sc Research works in five universities in Iraq, 2003-present.

Published Papers

1. Razouki, S. S. , Ibraheem A. Th., “Generalized analytical solution for optimum transportation route in a terrain with a single complex cost boundary curve”, First Middle East International Conference on Advances in Civil, Mechanical and Material Engineering / Amman - Jordan / 10-13 May 2005.
2. Ibraheem A. Th., (2008), “The Application of Geographical Information System in Civil Engineering”, Integrating Teaching and Research with Community Service, Book No. 87, pp: 436-455, College of Engineering, University of Sharjah, United Arab Emirates.
3. Razouki, S. S. , Ibraheem A. Th., “Optimum transportation route in a cost heterogeneous terrain with a complex cost boundary curve”, TRB 86th Annual Meeting, January 21-25, 2007, in Washington, DC, USA.
6. Ibraheem A. Th., “Developing the syllabus of surveying course in civil and architectural engineering departments”, AEC 24th Conference, 14-16 May 2007, Amman, Jordan, PP: 403-422.
7. Ibraheem A. Th., “Operational Analysis of Ramps on Existing Freeway” Iraqi Journal of Civil Engineering (IJCE), Issue: Tenth-March 2008”, pp:93-118. Anbar, Iraq.
[HTTP://WWW.UOANBAR.EDU.IQ/IMAGE/MAGAZ/ENG%20COLL/2008/N10%20%287%29.PDF](http://www.uoanbar.edu.iq/image/magaz/eng%20coll/2008/n10%20%287%29.pdf)
8. Ibraheem A. Th., “The Effect of the Heavy Recreational Traffic on the Design of the Freeway”, Iraqi Journal of Civil Engineering (IJCE), Issue: Eleventh-June 2008”, pp:60-75. Anbar, Iraq.
[HTTP://WWW.UOANBAR.EDU.IQ/IMAGE/MAGAZ/ENG%20COLL/N11%20%283%29.PDF](http://www.uoanbar.edu.iq/image/magaz/eng%20coll/n11%20%283%29.pdf)
9. Ibraheem A. Th., Daham A. M., ”Developing a Computer Program for Modeling the Stadia Measurements for Tacheometry Works”, Journal of Engineering, Number 2, Volume 15, pp:3710-3729, June 2009, College of Engineering, University of Baghdad.
[HTTP://IASJ.NET/IASJ?FUNC=FULLTEXT&AID=24666](http://iasj.net/iasj?func=fulltext&aid=24666)
10. Razouki, S. S. , Ibraheem A. Th., “A variational Approach to the Two-Endpoint Boundary Value Problem of Route Location in Cost Heterogeneous Terrain”. Iraqi Journal of Civil Engineering (IJCE), Volume 6 , No. 2, June 2010. PP:1-13, Anbar, Iraq.
[HTTP://IASJ.NET/IASJ?FUNC=FULLTEXT&AID=14172](http://iasj.net/iasj?func=fulltext&aid=14172)
11. Ibraheem A. Th., and Ali H. A., (2010) "Developing an Algorithm for Modeling Global Positioning System (GPS) Data For Highways", 1st International Conference in Geomatics Engineering and Applications, December 22-23, 2010, Paper No. 104, University of Technology, Baghdad, Iraq.

12. Ibraheem A. Th., Musa Y. A., “Incorporating Multi Criteria Decision Making (MCDM) into GIS for Optimum Route Location”, International Geoinformatics Research and Development Journal (IGRDJ), ISSN: 0976 – 1241, Vol. 2, Issue 2, pp:26-48, June 2011, Canada.
[HTTP://WWW.IGRDG.COM/INDEX_HTM_FILES/IGRDG%20-%20VOL%20-%20ISSUE%20-%20JUNE%202011%20-%203.PDF](http://www.igrdg.com/index_htm_files/igrdg%20-%20vol%20-%20issue%20-%20june%202011%20-%203.pdf)
13. Ibraheem A. Th., Abd-Al Razaq A. J., “Formulation of Cost Function for Constructing a New Transportation Route” , Asian Research Publishing Network (ARPN) Journal for Engineering and Applied Sciences, ISSN 1819-6608, Vol. 6, No. 7, pp: 29-42 July 2011, Pakistan.
http://www.arpnjournals.com/jeas/research_papers/rp_2011/jeas_0711_521.pdf
14. Ibraheem A. Th. and Yousif F. G., (2011), “Developing a Computer Program for the Methods of Radius-Estimating Techniques for Horizontal Curves”, American Journal of Engineering and Applied Science, ISSN: 1941-7020, Volume 4, Issue 2, July, pp: 276-287, USA.
[HTTP://THESCIPUB.COM/PDF/AJEASSP.2011.276.287.PDF](http://thescipub.com/pdf/ajeassp.2011.276.287.pdf)
DOI: [10.3844/ajeassp.2011.276.287](https://doi.org/10.3844/ajeassp.2011.276.287)
15. Ibraheem A. Th., “Evaluating Light-Rail Transit Alternatives Using the Rating and Ranking Method“, Asian Research Publishing Network (ARPN) Journal for Engineering and Applied Sciences, ISSN 1819-6608, Vol 6, No. 10, pp:93-104, **October 2011**, Pakistan.
[HTTP://WWW.ARPNJOURNALS.COM/JEAS/RESEARCH_PAPERS/RP_2011/JEAS_1011_576.PDF](http://www.arpnjournals.com/jeas/research_papers/rp_2011/jeas_1011_576.pdf)
16. Ibraheem A. Th. and Gani S. M. (2011), “Evaluation of Common Maintenance Methods for Flexible Pavements”, American J. of Engineering and Applied Sciences Vol: 4, Issue 3, November, pp: 413-424,, ISSN: 1941-7020, USA.
DOI: [10.3844/ajeassp.2011.413.424](https://doi.org/10.3844/ajeassp.2011.413.424)
URL: <http://thescipub.com/abstract/10.3844/ajeassp.2011.413.424>
17. Ibraheem A. Th. and Hasan T.Q. (2011), “Programming the Economic and Multi-Criteria Decision Making Methods to Evaluate the Alternatives of Transportation Projects”, International Geoinformatics Research and Development Journal (IGRDJ), ISSN: 0976 – 1241, Vol 2, Issue 4. PP: 10-22, Canada.
<http://www.igrdg.com/data/igrdj/2011/IGRDG%20-%20Vol%20-%20Issue%204%20-%20Dec%202011%20-%201.pdf>
18. Ibraheem A. Th., Hamoudat, W. W., “Review and Modeling the Methods of Radius-Estimating Techniques for Horizontal Curves”, Asian Research Publishing Network (ARPN) Journal for Engineering and Applied Sciences, ISSN 1819-6608, Vol 6, No. 12, **December 2011**, PP: 111-122, Pakistan.
[HTTP://WWW.ARPNJOURNALS.COM/JEAS/RESEARCH_PAPERS/RP_2011/JEAS_1211_612.PDF](http://www.arpnjournals.com/jeas/research_papers/rp_2011/jeas_1211_612.pdf)

19. Ibraheem A. Th. and Falih D. A.(2012) “Applying Geographic Information System (GIS) for Maintenance Strategy Selection”, Engineering Journal (ENG), Scientific Research Publication, Vol.4 No.1, January 2012, PP:44-54, USA.
DOI: 10.4236/eng.2012.41007
[HTTP://WWW.SCIRP.ORG/JOURNAL/PAPERINFORMATION.ASPX?PAPERID=17099](http://www.scirp.org/journal/paperinformation.aspx?paperid=17099).
20. Asma Thamir Ibraheem, Haidar Alaa Hassan, and Mustefa Husam Abd Al-Husain, “Integrating ACAD with GIS For Civil engineering applications”, Scientific Research Publication, Journal of Software Engineering and Applications, Vol. 5 No. 3, 2012, pp. 138-146, **March, 2012**, USA.
DOI: 10.4236/jsea.2012.53021
[HTTP://WWW.SCIRP.ORG/JOURNAL/PAPERINFORMATION.ASPX?PAPERID=18293](http://www.scirp.org/journal/paperinformation.aspx?paperid=18293).
21. Razouki, S. S. , Ibraheem A. Th., “Highway Route Optimization in Cost Heterogeneous Terrain ". International Geoinformatics Research and Development Journal (IGRDJ), ISSN: 0976 – 1241, Volume 3, Issue 1, PP: 45-61, **March 2012**, Canada.
[HTTP://WWW.IGRDG.COM/DATA/IGRDJ/2012/IGRDG%20-%20VOL%203%20-%20ISSUE%201%20-%20MARCH%202012%20-%201.PDF](http://www.igrdg.com/data/igrdj/2012/igrdg%20-%20vol%203%20-%20issue%201%20-%20march%202012%20-%201.pdf)
22. Razouki, S. S. , Ibraheem A. Th., “Minimum Cost Route in a Terrain with Complex Cost Boundary Curves". International Geoinformatics Research and Development Journal (IGRDJ), Vol 3, Issue 2, June 2012, PP: 48-67, Canada.
<http://www.igrdg.com/data/igrdj/2012/igrdg%20-%20vol%203%20-%20issue%202%20-%20june%202012%20-%201.pdf>
23. Ibraheem A. Th., and Daham A. M. , “Development of Large-Scale Land Information System (LIS) Using GIS and Field Surveying”, Iraqi Journal of Civil Engineering (IJCE), Vol 8. No 1, PP: 29-43, 2012, Anbar, Iraq.
[HTTP://WWW.IASJ.NET/IASJ?FUNC=FULLTEXT&AID=69009](http://www.iasj.net/iasj?func=fulltext&aid=69009)
24. Ibraheem A. Th and Atia N. S. (2013), “Applying Decision Making with Analytical Hierarchy Process (AHP) for Maintenance Strategy of Flexible Pavement”, The first Post-Graduate Students Conference FPGSC’13, 4-5 December 2013, Al-Nahrain University, Baghdad, Iraq.
25. Ibraheem A. Th., Daham A. M., Hussein S. N., “Coupling GIS and Photogrammetry for the Development of Large-Scale Land Information System (LIS)”, Journal of Geosciences and Geomatics, 2014, Vol. 2, No. 1, 1-10. USA.
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[HTTP://PUBS.SCIEPUB.COM/JGG/2/1/1/](http://pubs.sciepub.com/jgg/2/1/1/)
26. Ibraheem A. Th., “Modeling the Methods of Flexible Pavement Maintenance”, Journal of Transportation Engineering, ASCE, USA. Volume 140, Issue 3 (March 2014), PP:
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27. Ibraheem A. Th. And Anwer M. A., (2014), “Conceptual Vision Of Airport Geographic Information System (AGIS)”, European Scientific Journal September 2014 /SPECIAL edition Vol.3, PP: 417-427.
<http://eujournal.org/index.php/esj/article/view/4241>
28. Ibraheem A. Th., Daham Q. M. And Hasan A. J.(2015) “Error Estimation In Developing Gis Maps Using Different Input Methods Of Land Surveying”, International Journal of Technical Research and Applications (IJTRA). Volume 3, Issue 3,PP: 245-251, India.
<http://www.ijtra.com/view/error-estimation-in-developing-gis-maps-using-different-input-methods-of-land-surveying.pdf>
29. Asma Th. Ibraheem, Aula Hashim Mehdi, Zeena.Adil.Najeeb , “The Utilization Of Stadia Measurements For Different Constructions Works”, International Journal of Technical Research and Applications, Volume 3, Issue 6 (November-December, (2015), PP. 37-44. India.
<http://www.ijtra.com/view/the-utilization-of-stadia-measurements-for-different-constructions-works.pdf>
30. Mohammed Shafiqu, Q. S., Ibrahim A. T., Qasim T. K. “Influence of Pile Installation on Existing Adjacent Structures”, 4th scientific conference-Building materials and design requirements to resist earthquakes, Baghdad, Iraq, 14th April, 2016.
31. Abid N. A, Ibraheem A. Th. and Mehdi A. J., “Using Multi-Criteria Decision Making (Mcdm) For Planning A Suitable Location Of Car Parking”, The Geographic Information Systems and Geospace Data for sustainable development Conference, Geotunis From 26 to 30 April 2016, Tunis.
32. Ibraheem Asma Thamir and Atia Noor Salim, “Application of Analytical Hierarchy Process (AHP) for Multi-Storey Car Parks Location in a Small Area”, British Journal of Applied Science & Technology, Vol. 17, Issue 5, 2016, UK.
http://www.journalrepository.org/media/journals/BJAST_5/2016/Oct/Ibraheem1752016BJAST28596.pdf
DOI : [10.9734/BJAST/2016/28596](https://doi.org/10.9734/BJAST/2016/28596)
33. Ibraheem Asma Thamir, Daham Afrah Mekki and Najeeb Zeena Adil, “Incorporating GIS with Digital Close Range Photogrammetry (DCRP) for Documenting the Heritage Building”, The 2nd International Conference in GIS & Geospatial Technologies, 5-6 December 2016, Al-Nahrain Center for Strategic Studies holds, Baghdad, Iraq.
34. Ibraheem Asma Thamir and Ahmed N. M., “The Creation Of Transportation Geographic Information Systems to Prepare A Comprehensive Planning and Design of Parking Spaces”, ARPN Journal of Engineering and Applied Sciences, VOL. 11, NO. 23, DECEMBER 2016. PP: 13898-13908.
http://www.arpnjournals.org/jeas/research_papers/rp_2016/jeas_1216_5473.pdf
35. Ibraheem A. Th. and Atia N. S, “Using Multi-Criteria Decision Making (MCDM) For Flexible Pavement Maintenance Strategy Selection”, Global Journal Of Researches In

Engineering, GJRE-E Volume 16 Issue 5 Version 1.0, PP: 25-34, December, 2016, USA.

<https://globaljournals.org/ev/GJRE/369317034583593f3b6b974.41713652.pdf>

36. Ibraheem A Abid N. A., Th. and Mehdi A. J., “Planning For The Suitable Location Of Car Parking By Using GIS Techniques”, *Ciência e Técnica Vitivinícola Journal*, Vol. 32, Issue 1, PP: 66-84, Jan. 2017, Portugal.
<http://ciencia-e-tecnica.org/view.php?v=32&i=1>
37. Ibraheem A. Th., “Utilization Of The Airport Geographic Information Systems (AGIS) To Develop An Accurate Digital Map”, *The Open Transportation Journal*, Volume 11, No. 3, PP: 3-12, 2017 UAE.
38. Al-Sheakayree T. K, Shefiqu Q. S. M, And Ibraheem A. Th. (2017), “The Dynamic Effect of Pile Installation in Sand on Nearby Piles”, *Al-Nahrain Journal for Engineering Sciences (NJES)* Vol.20 No.2, 2017 pp.477-48,
39. Ibraheem Asma Th., Zainab H. Mahdi, Thikra Najah (2018), “Comparison Between The Use of Modern and Old Surveying Equipment Through The Updating of Digital Maps”, *International Journal of Advanced Research in Education & Technology (IJARET)*, Vol. 5, Issue 2, pp: 37-42.
40. Athraa A Al Ghanim, Qassun S Mohammed Shafiqu, Asma Thamir Ibraheem, (2019), “Finite Element Analysis of the Geogrid-Pile Foundation System under Earthquake Loading”, *Al-Nahrain Journal for Engineering Sciences*, Vol 22, No. 3, pp: 202-207.
<https://nahje.com/index.php/main/article/view/NJES.22030202>
41. Waseem W Hammodat, Asmaa Th Ibraheem, Yusuf K Demir Using Airport Geographic Information Systems (AGIS) to develop a comprehensive digital library for Erbil International Airport”, *IOP Conference Series: Materials Science and Engineering*, Volume 737, 4th International Conference on Buildings, Construction and Environmental Engineering 7-9 October 2019, Istanbul, Turkey
42. Asma Thamir Ibraheem, Waseem Wathiq Hammodat, 2020, “Developing a Comprehensive Digital Library Using Airport Geographic Information Systems (AGIS)”, *IOP Conference Series: Materials Science and Engineering*, Vol 671, No.1. Kerbala, Iraq.
<https://iopscience.iop.org/article/10.1088/1757-899X/671/1/012114/meta>
43. Athraa A Al Ghanim, Qassun S Mohammed Shafiqu, Asma Thamir Ibraheem, 2020, “Effect of Earthquakes over Time on the Geogrid-Pile Foundation System in Loose Sand”, *IOP Conference Series: Materials Science and Engineering*, Vol 671, No.1. Kerbala, Iraq.
<https://iopscience.iop.org/article/10.1088/1757-899X/671/1/012074/meta>
<https://iopscience.iop.org/article/10.1088/1757-899X/737/1/012144/meta>
44. Athraa A Al Ghanim, Qassun S Mohammed Shafiqu, Asma Thamir Ibraheem, 2020, “A practical study of the geogrid-pile foundation system in loose sandy soil under the

influence of Halabjah earthquake”, AIP Conference Proceedings 2213, 020107 (2020).

<https://aip.scitation.org/doi/abs/10.1063/5.0000326>

45. Noor Salim Atia, Asma Thamir Ibraheem, Qassun S Mohammed Shafiqu, (2021), “Studying the Effect of Water Level for a River on the Shallow Foundation Near Riverbank”, Modern Applications of Geotechnical Engineering and Construction, pp:205-215

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46. Noor Salim Atia Qassun S. Mohammed Shafiqu & Asma Thamir Ibraheem (2022), “Effect of River Water Level on the Shallow Foundation Behavior with Two Slopes of Riverbank” Geotechnical Engineering and Sustainable Construction pp 343–353.

https://link.springer.com/chapter/10.1007/978-981-16-6277-5_27

47. Hassan M. Mahdi M. Alddin, Asma Thamir Ibraheem, (2022), “Review of some Geotechnical Aspects on Structural Response of Rigid Pavements”, Mathematical Statistician and Engineering Applications, Vol 71, No. 4, pp: 5428 - 5450

<https://www.philstat.org/index.php/MSEA/article/view/1131>

48. Nooruldeen Mohammed Kareem, Asma Thamir Ibraheem, (2022), Review on the Expert Systems for Airport Pavements Maintenance Management, Statistician and Engineering Applications, Vol 71, No. 4, pp: 5494 – 5514

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49. Nooruldeen Mohammed Kareem, Asma Thamir Ibraheem, 2023, “Developing a Frame Design for Airport Pavements Maintenance Management System”, International Journal of Intelligent Systems and Applications in Engineering, 11(4s), 498–508

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50. Asma Thamir Ibraheem, 2023, Developing An Algorithm For Modeling Global Positioning System (Gps) Data For Highways”,

51. Asma Thamir Ibraheem, 2023, Westergaard Approach And A New Development Software For Analyzing Rigid Pavement Behaviour”,

52.

Theses:

1. Ibraheem A. Th., “The utilization of local resources to develop a GIS in surveying and route location”, M.Sc thesis, Surveying Engineering Department, College of Engineering, University of Baghdad, 1997.
2. Ibraheem A. Th., “Optimum transportation route through heterogeneous terrain”, Ph.D thesis, Civil Engineering Department, College of Engineering, Nahrain University, 2003.

3. Ibraheem A. Th., Abd-Al Razaq A. J, “Computer Assisted Resources for the Formulation of Cost Function for Constructing a New Transportation Route”, M.Sc Thesis, College of Engineering, Nahrain University, Baghdad, Iraq. 2008.
4. Ibraheem A. Th., Yousif F. G., “Modeling and Evaluation the Methods of Radius Estimating Techniques for Horizontal Curve”, M.Sc Thesis, College of Engineering, Baghdad University, Baghdad, Iraq. 2009.
5. Ibraheem A. Th., Musa Y. A., “Integrating The Geographical Information System (GIS) to Digital Library for Railways Application” M.Sc Thesis, College of Engineering, Baghdad University, Baghdad, Iraq. 2011.
6. Ibraheem A. Th. And Atia S. N., “ Applying Decision Making with analytic hierarchy process for maintenance strategy selection of pavement”, M.Sc. Thesis, College of Engineering, Al-Nahrain University, Baghdad, Iraq. 2012.
7. Ibraheem A. Th. And Najeeb Z. A., “Incorporation GIS with Digital Close Range Photogrammetry (DCRP) for Architectural Map”. M.Sc Thesis, College of Engineering, Baghdad University, Baghdad, Iraq. 2013.
8. Ibraheem A. Th. And Alshami A. W., (2014), “Simulating the Behavior of Unbounded Granular Materials Under Different Shape Loaded Areas”, M.Sc. Thesis, College of Engineering, Al-Nahrain University, Baghdad, Iraq.
9. Abid N. A, Ibraheem A. Th. And Mehdi A. J. (2014), “ Adaptation of GIS and AHP for Selecting and Designing of the Car Parking Area”, M.Sc. Thesis, College o Engineering, Anbar University, Al-Anbar, Iraq.
10. Ibraheem Asma Thamir, Demir Y. K., Sedeeq W. W., (2015), “AGIS Application I Airport Planning and Design”, M.Sc. Thesis, Civil Engineering Department, College of Engineering, University of Gaziantep, Turkey.
11. Shefiqu Q. S. M, Ibraheem A. Th. And Al-Sheakayree T. K. (2015), “Influence of Piles Installation on Existing Adjacent Structures”, Ph. D. Thesis, College of Engineering, Al-Nahrain University, Baghdad, Iraq.
12. Qassun S Mohammed Shafiqu, Asma Thamir Ibraheem and Athraa A Al Ghanim, (2020), “Behavior of Geogrid Reinforced Piled Foundation under Earthquake Loading”, Ph.D. Thesis, College of Engineering, Al-Nahrain University, Baghdad, Iraq.
13. Ibraheem A. Th. And Noor Salim Atia (2021), “MODELING OF SOIL MOVEMENT HAZARDS USING THEORY OF MULTIPLE DECISION MAKING AND ANALYTICAL HIERARCHY PROCESS” Ph. D. Thesis, College of Engineering, Al-Nahrain University, Baghdad, Iraq.
14. Ibraheem A. Th. And Nooruldeen Mohammed Kareem (2023), “Developing a Frame Design for Airport Pavements Maintenance Management System”, M.Sc. Thesis, College of Engineering, Al-Nahrain University, Baghdad, Iraq.

Conferences:

1. First Middle East International Conference on Advances in Civil, Mechanical and Material Engineering / Amman - Jordan / 10-13 May 2005.
2. 4th International Forum on Engineering Education - IFEE2006 / Integrating Teaching and Research with Community Service / 25-27 April 2006, Sharjah , United Arab Emirates
3. TRB 86th Annual Meeting, January 21-25, 2007, in Washington, DC, USA.
4. AEC 24th Conference, 14-16 May 2007, Amman, Jordan.

5. Arab Council for training Students of Arab Universities (ACTSAU), 22-28 August, 2008, Egypt.
6. The 1st Regional Conference of Engineering Science, 5-6 Nov 2008, College of Engineering, Nahrain University, Baghdad, Iraq.
7. 1st International Conference in Geomatics Engineering and Applications, December 22-23, 2010, Paper No. 104, Baghdad, Iraq.
8. The first Post Graduate Students Conference FPGSC'13, 4-5 December 2013, Al-Nahrain University, Baghdad, Iraq.
9. 3rd Middle East Society of Asphalt Technologists (MESAT) Conference April 6-8, 2015 , AUD. American University of Dubai, UAE.
10. 2nd Annual International Interdisciplinary Conference AIIC 2014, 8-12 July, University of the Azores - Ponta Delgada, Portugal.
11. 4th Scientific Conference-Building materials and design requirements to resist earthquakes, Baghdad, Iraq, 14th April, 2016.
12. The Geographic Information Systems and Geospace Data for sustainable development Conference, Geotunis, from 26 to 30 April 2016, Tunis.
13. The 2nd International Conference in GIS & Geospatial Technologies, 5-6 December 2016, Al-Nahrain Center for Strategic Studies holds, Baghdad, Iraq.
14. 4th Eng. Conf. 21 April 2016, Al-Nahrain Univ., Baghdad, IRAQ
15. The 2nd Post Graduate Students Conference, 2017, Al-Nahrain University, Baghdad, Iraq
16. International Conference on Highway Pavements and Airfield Technology, Philadelphia, Pennsylvania, August 27-30, 2017. USA.
17. The 2nd Regional Conference of Engineering Science, 5 Dec 2017, College of Engineering, Al-Nahrain University, Baghdad, Iraq.
18. IOP Conference Series: Materials Science and Engineering. Volume 737, 4th International Conference on Buildings, Construction and Environmental Engineering 7-9 October 2019, Istanbul, Turkey
19. IOP Conference Series: Materials Science and Engineering, Vol 671, No.1. 2020, Kerbala, Iraq.
20. 2nd International Conference on Materials Science and Engineering, AIP Conference Proceedings 2213, 020107 (2020).
21. Conference of Geotechnical Engineering and Sustainable Construction 2022, Dhok-Iraq.

Books

- 1) Asma Thamir Ibraheem and Faten Yousif, (2012), "The Methods of Radius Estimating Techniques : Modeling and Review", ISBN : 978-3-8484-9811-6, LAP LAMBERT Academic Publishing, , VDM Publishing Group, Germany.

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