



Curriculum Vitae (CV)



College of Engineering / University of Mosul

General information

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|  | Name and Surname | Al-Hadidy Abdul-Rahim Ibrahim Jasim |
| | Date of Birth | 22/10/1976 |
| | Gender | Male ▾ |
| | Scientific Title | Professor ▾ |
| | Appointment year | |
| | Department | Civil Engineering ▾ |
| | General Specialty | Highway Engineering |
| | Delicate Specialisation | Highway and railway engineering |
| | Official email | alhadidy@uomosul.edu.iq |
| | Contact Number | 07736976711 |

Academic Accounts

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| Google Scholar | |
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| ResearchGate | https://www.researchgate.net/profile/Abdul-Rahim-Al-Hadi dy |
| Academia | |
| Publons | |
| ORCID | 0000-0002-4431-5763 |
| Scopus | |

Certificates

| Certificate | Year | Specialisation (General / Exact) | Country | University |
|-------------|------|----------------------------------|---------|--|
| PhD | 2009 | Highway Engineering | China | Harbin Institute of Technology, Harbin |
| M.Sc. | 2002 | Civil Engineering | Iraq | Al-Mustansiryia University |
| BSC | 1998 | Civil Engineering | Iraq | University of Mosul |

Subjects taught

| no. | Subject Name | Time period | Department | Educational level |
|-----|--------------|-------------|---------------------|-------------------|
| 1 | | | Civil Engineering ▾ | First stage ▾ |
| 2 | | | Civil Engineering ▾ | First stage ▾ |
| 3 | | | Civil Engineering ▾ | First stage ▾ |
| 4 | | | Civil Engineering ▾ | First stage ▾ |
| 5 | | | Civil Engineering ▾ | First stage ▾ |

Scientific and Practical Experience

- Assistant professor, Department of Civil Engineering, university of Mosul, Mosul-Iraq. (11/2013-Present).
- Lecture, Department of Civil Engineering, university of Mosul, Mosul-Iraq. (02/2006-11/2013).
- Assistant Lecturer, Department of Civil Engineering, university of Mosul, Mosul-Iraq. (2/2002-02/2006).
- Assistant Research Engineer, Highway Research Center, University of, Mosul-Iraq (04/2002-06/2006).
- Chemical Examinant for Asphaltic, Epoxies, Paints, Sealants, Grouts, and other materials used in civil engineering construction (2/2002-Present).

Publications (Scientific Journals and Conferences)

| | |
|---|---|
| 1 | Al-Hadidy Al and Tan Yi-qiu (2009). "Effect of Polyethylene on Life of Flexible Pavements". J Construction and Building Materials, Vol.23, PP 1456-1464, SCI journals, Impact factor (2.27). |
| 2 | Al-Hadidy Al and Tan Yi-qiu (2009)."Mechanistic Approach for Polypropylene-Modified Flexible Pavements". J Materials and Design, vol.30, PP 1133-1140, SCI journals Impact factor (3.5). |
| 3 | Al-Hadidy Al. Tan Yi-qiu, Dong Zejiao and Wang Jia-ni (2008) "Preparation of Low-Cost Waterproofing Materials", J. Harbin Institute of Technology, Vol.15, No.4, P547-552, ISSN: 1005-9113, CN; 23-1378/T, EI journals. |
| 4 | Al-Hadidy Al and Tan Yi-qiu (2008). "Evaluation of Pyrolysis LDPE Modified Asphalt Paving Materials". J. Materials in Civil Engineering, J. Mate. Civ..Eng. Vol. 21, No. 10, October@ASCE, SCI journals Impact factor (1.32). |
| 5 | Al-Hadidy Al and Tan Yi-qiu (2008)."Modified Rubberized Stone Matrix Asphalt for Nineveh Roads". J. Harbin Institute of Technology, Vol.15, No.3, P356-360, ISSN: 1005-9113, CN; 23-1378/T, EI journals. |

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| 6 | Al-Hadidy AI and Tan Yi-qiu, (2011)."Starch as a modifier for asphalt paving materials". J Construction and Building Materials, (25): 14-20, SCI journals, Impact factor (2.27). |
| 7 | Al-Hadidy AI and Tan Yi-qiu, (2009) "Mechanistic Analysis of ST and SBS-Modified Flexible Pavements", J. Construction and Building Materials, (23): 2941-2950, SCI journals, Impact factor (2.27). |
| 8 | Al-Hadidy AI and Tan Yi-qiu. (2011). "Effect of Styrene-Butadiene-Styrene on Asphalt and Stone Matrix Asphalt Mixture Properties". J. Mate. Civ..Eng. Vol. 23, No. 4, April 1@ASCE, SCI journals Impact factor (1.32). |
| 9 | Al-Hadidy AI and Tan Yi-qiu.(2011) "Performance of the SMA Mixes Made with the Various Binders". J. Construction and Building Materials, (25), 3668-3673, SCI Journal, Impact factor (2.27). |
| 10 | Al-Hadidy AI and Tan Yi-qiu.(2010) "Comparative performance of the SMAC mixes made with the SBS and ST-modified binders". J. Mate. Civ..Eng. Vol. 22, No. 6, June 1@ASCE , SCI journals Impact factor (1.32). |
| 11 | Moatasim Attaelmanan, Cheng Pei Feng and Al-Hadidy AI, (2011)"Laboratory evaluation of HMA with high density polyethylene as a modifier", J. Construction and Building Materials 25 (2011) 2764–2770, SCI Journal, Impact factor (2.27). |
| 12 | Al-Hadidy AI.(2018) " Engineering behavior of aged polypropylene-modified asphalt pavements". J. Construction and Building Materials, (191), 187-192, SCI Journal, Impact factor (2.27). |
| 13 | Al-Hadidy AI.(2018) " Effect of laboratory aging on moisture susceptibility and resilient modulus of asphalt concrete mixes containing PE and PP polymers". Karbala International Journal of Modern Science 4, 377-381. |
| 14 | Al-Hadidy AI (2019). "Laboratory investigation of aged HDPE-modified asphalt mixes". International journal of pavement research and technology (12), 364-369. |
| 15 | Al-Hadidy AI (2020). "Utilization of citric acid in bituminous paving mixtures". International journal of pavement research and technology, article in press. |

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| 16 | Al-Hadidy AI (2020). "Performance of SBS-HMA Mixes Made with Sasobit and Zeolite". J. Mate. Civ..Eng., Vol. 32, Issue 10 (October 2020). |
| 17 | Al-Hadidy AI (2020). "Effects of long-term aging on asphalt mixes containing SBS and PP-polymer". International journal of pavement research and technology, available online 20 July 2020. |
| 18 | Al-Hadidy AI and Salim Abdullah Khalid (2021). "Influence of long-term aging on the engineering properties of WMA mixtures containing petroleum wax and natural Zeolite". International journal of pavement research and technology Article in press. |
| 19 | Oday M. A. Abdullah, Umut H. INAN and Al-Hadidy A.I.(2021). "Benefits of Project Management to Realizing Sustainable Buildings". International Journal of Engineering and Management Research, Volume-11, Issue-3 (June 2021). |
| 20 | Al-Hadidy AI, Abbas F. Jasim, Abdullah M. Rashed (2021). "Mechanistic analysis and durability of thiophene paving mixtures". J. Mate. Civ..Eng., Article in press. |
| 21 | Al-Hadidy AI (2022). "Sustainable recycling of sulfur waste through utilization in asphalt paving applications". International journal of pavement research and technology Article in press. |
| 22 | Al-Hadidy AI and Tan Yi-qiu (2007). "New Technical Method for Production Homogenous and Storage Stable Polymer Modified Asphalt". Proceedings of the 7th International Conference of Chinese Transportation professionals (ICCTP 2007), 21 - 22 May 2007. P799-810. ISBN Number: 0-7844-0952-8978-0-7844-0952-7. |
| 23 | Al-Hadidy AI and Tan Yi-qiu. "Long-Term Aging of Polypropylene Asphalt Paving Mixtures". Proceedings of the 26th Southern African Transport Conference (SATC 2007), 9 - 12 July 2007. P761-767. ISBN Number: 1-920-01702-X Pretoria, accepted as a WORLD CUP 2010 TRAFFIC SIMULATION. |
| 24 | Al-Hadidy AI and Tan Yi-qiu "Performance Evaluation of Prepared Gelled Hot Applied Sealant in Cold Climates", 7th International RILEM Symposium on Advanced Testing and Characterization of Bituminous Materials (ATCBM09) 27-29 May 2009, P227-237, Rhodes Greece. |

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| 25 | A.I.Al-Hadidy and A.A Mawjod (2011) "The effect of high density polyethylene shape and concentration on the engineering properties of paving mixtures". 3rd Conference of Iraq engineering professionals, 23 - 24 March 2011, Babel-Iraq. |
| 26 | A.I.Al-Hadidy (2011) "Wheat-straw produced hot-applied sealant". 3rd Conference of Iraq engineering professionals, 23 - 24 March 2011, Babel-Iraq. |
| 27 | A.I. Al-Hadidy, Ghanim Mohammed and Usama Abdullaha Sheet (2011) "Comparative Performance of the SMA Mixes Made with the PE and PP-modified Binders ". 1st Conference of Iraq engineering professionals, 21 - 22 December 2011, Anbar-Iraq. |
| 28 | A.I.Al-Hadidy (2011) "Characterization of prepared bituminous-sealants". The International scientific conference of Salahaddin University-Erbil, IRAQ, October 18-20, 2011. |
| 29 | A.I.Al-Hadidy and Usama Abdullah Amer (2012) "PLDPE as a modifier for asphalt cement binders". 2nd Conference of Iraq engineering professionals, March 2013, Mosul-Iraq. |
| 30 | Al-Hadidy A.I. Rashed Abdullah M. (2018)" Effect of Oxidative Aging on The Engineering Properties of DGAMs". 1 st International Conference on engineering challenges in Kurdistan region held by Nawroz university, May 2018, Duhok-Iraq. |
| 31 | Al-Hadidy A.I. "Engineering Properties of Aged Polypropylene-Modified Asphalt Mixtures". 13 International congress advances in civil engineering, sept., 2018. Izmir-Turkey. |
| 32 | Ziyad N. Aldoski , Al-Hadidy A.I , Abdullah M. Rashed (2020). "Influence of Long-Term Aging on HMA Made with Gel and Sol Asphalt Cements". 3 rd International Conference on Recent Innovations in Engineering (ICRIE 2020), September 9 th to 10 th , 2020, Kurdistan region, Duhok-Iraq. |
| 33 | Al-Hadidy Al. (2006), "Evaluation of Pyrolysis Polypropylene Modified Asphalt Paving Materials", J. Al-Rafidain Engineering- Mosul/ Iraq, ISSN 1813-0526, Vol.14, No.2, P36-50. |

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| 34 | Al-Hadidy Al. (2004)."Alkylbenzene Sulphonate as Additive in Asphalt Paving Mixtures".J.Engineering and Technology; No. 2, Vol.4, Baghdad, Iraq. |
| 35 | A.A Mawjod.And A.I.Al-Hadidy (2004),"Using Kaolin as Additive in Asphalt Paving Mixtures". Hundasit AL-Rafidain. |
| 36 | Al-Hadidy Al and Tan Yi-qiu (2011) "The effect of plastomers polymer type and concentration on asphalt and moisture damage of SMA mixtures". J. Al-Rafidain Engineering- Mosul/ Iraq, ISSN 1813-0526, Vol.19, No.5, P1-11. |
| 37 | Al-Hadidy Al and Ayman Talib Hameed (2011), Minimizing the Moisture Damage and Drain down of Iraqi SMA Mixtures Using Waste Additives". J. Tikrit Engineering- Tikrit/ Iraq, ISSN 1813-162X, Vol.18, No.3, P68-80. |
| 38 | Abdul-Rahim I. Al-Hadidy and Ayman Talib Hameed. (2011) "The effect of sulfur waste and ABS on asphalt cement properties". J. Al-Rafidain Engineering- Mosul/ Iraq, ISSN 1813-0526, Vol.19, No.3, P1-10. |
| 39 | Al-Hadidy A.I. Rashed Abdullah M. (2014)" Mechanistic properties of the unaged and aged DGAMs". J. Al-Rafidain Engineering- Mosul/ Iraq, ISSN 1813-0526, Vol.22, No.5, P29-47. |
| 40 | Al-Hadidy A.I. Rashed Abdullah M. (2018)" Effect of Oxidative Aging on The Engineering Properties of DGAMs". Academic Journal of Nawroz university (AJNU) Duhok/ Iraq, vol.7, No. 8. |
| 41 | Ziyad N. Aldoski , Al-Hadidy A.I , Abdullah M. Rashed (2020). "Influence of Long-Term Aging on HMA Made with Gel and Sol Asphalt Cements". 3 rd International Conference on Recent Innovations in Engineering (ICRIE 2020), September 9 th to 10 th , 2020, Kurdistan region, Duhok-Iraq. |
| 42 | Abdul-Rahim Ibrahim Al-Hadidy, Zeena Ahmed Al-Kazzaz, and Ahmed A. Mohammed Ali (2020). "Deterministic Extensional Viscosity and Cracking Index of Polypropylene-Modified-Asphalt Binder". Tikrit Journal of Engineering Sciences (2020) 27 (1): 25-29. |

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| 43 | Salim Abdullah Khalid and Al-Hadidy AI (2020). Comparative Rheological and Mechanical Characteristics of Different Warm-Mix Asphalt Additives Under Aging Conditions". Al-Rafidain Engineering Journal (AREJ)- Mosul/ Iraq, June, 2020, Vol.25, No.1, Pp.42-50. |
| 44 | ABDULLAH M. RASHED and AL-HADIDY (2021) "DETERMINATION EXTENSIONAL VISCOSITY AND CRACKING INDEX OF SULFURE WASTE MODIFIED ASPHALT CEMENT". Journal of University of Duhok, Vol. 24, No.1 (Pure and Eng. Sciences), Pp 26-31, 2021. |

Patents

1. Tan Yi-qiu, Al-Hadidy AI, Wu Jian. (2008).China, Pat.10064811.
2. Hasan Y. Salman, Nabil I. Al-Sarrag, Al-Hadidy AI. (2002), Iraq, Pat.3087 EOTC 7/26.
3. Al-Hadidy A.I. (2010). UK, Pat. 0814280.4. Intellectual Property Office.
4. Al-Hadidy A.I. (2012). Iraq, Pat. E01C19/10.
5. Al-Hadidy A.I. (2018). Iraq, Pat. E01C19/00.
6. M.S. Khalel and Al-Hadidy A.I. (2019). Iraq, Pat. 421 (under examination).

Published Books

1. Abdul-Rahim Ibrahim Al-Hadidy. Highway Engineering, "Tests in Road Works Technology",. Noor Publishing, ISBN 978-620-2-34334-3, First Edition, 2017, Omniscryptum publishing group, 17 Meldrum street, Beau Bassin 71504, Mauritius.
2. Abdul-Rahim Ibrahim Al-Hadidy. Highway Engineering, "Characterization of Road Building Materials: Laboratory and Field Evaluation". Noor Publishing, ISBN 978-620-2-34228-5, First Edition, 2017, Omniscryptum publishing group, 17 Meldrum street, Beau Bassin 71504, Mauritius.

3. Highway Engineering "Geometric and Structural Design" (in Arabic language) Dar Al-Wadah Publishing, ISBN 9957-634-65-0, First Edition, 2018, Kingdom of Hashemite. Oman, King Husain street.
4. Flexible Pavement Distresses "Causes and Maintenance" (in Arabic language) Dar Al-Wadah Publishing, ISBN 9957-634-66-7, First Edition, 2018, Kingdom of Hashemite. Oman, King Husain Street.
5. Rigid Pavement Distresses " Causes and Maintenance" (in Arabic language), Noor Publishing, ISBN 978-620-0-06091-1, First Edition, 2019, Omniscryptum publishing group, 17 Meldrum street, Beau Bassin 71504, Mauritius.
6. Geometric & Structural Design of At Grade Intersections and Interchanges (in Arabic language) Dar Al-Wadah Publishing, ISBN 9957-634-65-0, First Edition, 2020, Kingdom of Hashemite. Oman, King Husain street.

Training and continuing education courses

- 1.
- 2.
- 3.

Supervision

| Supervising Undergraduate Studies | | | |
|--|---------------------|---------------|------|
| No. | Name of The Student | Project Title | Year |
| 1. | | | |
| 2. | | | |
| 3. | | | |
| Supervising Postgraduate Studies (Diploma) | | | |
| No. | Name of The Student | Project Title | Year |
| 1. | | | |
| 2. | | | |

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|--|----------------------------|----------------------|-------------|
| 3. | | | |
| Supervision of Postgraduate Studies (M.Sc.) | | | |
| No. | Name of The Student | Project Title | Year |
| 1. | | | |
| 2. | | | |
| 3. | | | |
| Supervising Postgraduate Studies (PhD) | | | |
| No. | Name of The Student | Project Title | Year |
| 1. | | | |
| 2. | | | |
| 3. | | | |

Participation in Viva Examination Committees

| | | | |
|--|----------------------------|----------------------|-------------|
| Postgraduate Students Discussion (Higher Diploma) | | | |
| No. | Name of The Student | Project Title | Year |
| 1. | | | |
| 2. | | | |
| 3. | | | |
| Postgraduate Students Discussion (Masters) | | | |
| No. | Name of The Student | Project Title | Year |
| 1. | | | |
| 2. | | | |
| 3. | | | |
| Postgraduate Students Discussion (PhD) | | | |
| No. | Name of The Student | Project Title | Year |
| 1. | | | |

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| 2. | | | |
| 3. | | | |

Consulting Services

- 1.
- 2.
- 3.

Scientific Activities

- 1.
- 2.
- 3.

Administrative Positions

| No. | Administrative Position Name | Workplace | Time period |
|-----|--------------------------------------|--|--------------|
| 1. | Head of Civil Engineering Department | University of Mosul / College of Engineering | 2017-present |

Committees

| No. | Committee name | Time period |
|-----|----------------|-------------|
| 1. | | |
| 2. | | |
| 3. | | |

