

## Curriculum Vitae

Assist. Prof. Dr. Sady Abd Tayh

Mustansiriyah University-----College of Engineering  
Highway and Transportation Engineering Department

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PERSONAL SUMMARY: SURVEYING ENGINEERING, HIGHWAY AND TRANSPORTATION ENGINEERING.

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### EDUCATION:

- PhD Highway and transportation Engineering, Universiti Putra Malaysia (UPM), 2018.
  - M.Sc. Highway Engineering, University of Technology (Baghdad), 2001.
  - Higher diploma in surveying, University of Technology (Baghdad), 1998.
  - B.Sc. Surveying Engineering, College of Engineering- Baghdad University, 1997.
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- **Professional experience.**
    - 1- The engineering surveying works in government buildings with Areen Al-Harith company – 2001.
    - 2- The engineering surveying works in solar energy building - Ministry of Industry and Minerals, with Areen Al-Harith company – 2001.
    - 3- The field surveying for irrigation project to the southern of Mousil city, containing contour maps, GPS, and GIS works, with Almasaha Engineering Bureau for surveying works, 2002-2003.
    - 4- As a consultant on the field works in the project of developing and rehabilitation for Al-Rashid water processing plant with the engineering consultancy office of the University of Nahrain, 2007-2012.

### ACADEMIC HONORS AND AWARDS:

- #1: according to (14/3/2276) at (17/5/2011).
- #2: according to (14/3/2601) at (5/6/2011).
- #3: according to (14/3/5333) at (19/10/2011).
- #4: from the presidency of Mustansiriyah University according to (15333) at (15/6/2011).
- #5: from the presidency of Mustansiriyah University according to (27701) at (30/10/2011).
- #6: according to (14/3/3798) at (9/5/2012).
- #7: according to (1/3232) at (9/5/2017).
- #8: according to (14/3/5473) at (7/8/2017).
- #9: according to (1/7636) at (12/11/2017).
- #10: according to (14/3/7125) at (19/10/2017)
- #11: according to (1/7636) at (12/11/2017)
- #12: according to (14/3/1663) at (28/2/2018)
- #13: according to (14/3/3058) at (25/4/2018).
- #14: according to (14/3/3891) at (31/5/2018).
- #15: according to (14/3/3948) at (3/6/2018).

- #16: according to (14/3/4874) at (19/7/2018).
- #17: according to (14/3/5145) at (14/7/2018).
- #18: according to (14/3/5840) at (10/9/2018).
- #19: according to (14/3/8464) at (18/12/2018).
- #20: from the presidency of Mustansiriyah University according to (163) at (3/1/2019).
- #21: according to (14/3/1485) at (27/2/2019).
- #22: according to (14/3/2613) at (18/4/2019).
- #23: according to (14/3/3951) at (10/6/2019).
- #24: according to (14/3/3968) at (10/6/2019).
- #25: according to (14/3/4092) at (16/6/2019).
- #26: according to (14/3/5199) at (23/7/2019).
- #27: from the presidency of Mustansiriyah University according to (17178) at (23/6/2019).
- #28: according to (14/3/7153) at (15/11/2019).
- #29: from the presidency of Mustansiriyah University according to (30351) at (5/11/2019).
- #30: according to (14/3/8024) at (10/11/2019).
- #31: according to (14/3/8028) at (10/11/2019).
- #32: according to (14/3/8164) at (13/11/2019).
- #33: Certificate of Appreciation from the Fourth Scientific Conference of Engineering Research and Graduate Studies / Central Technical University at (17/12/2019).
- #34: according to (14/3/9145) at (19/12/2019).
- #35: according to (14/3/225) at (12/1/2020).
- #36: Thanks and appreciation from the Minister according to (208/2 م) at (6/5/2020).
- #37: from the presidency of Mustansiriyah University according to (10039) at (15/7/2020).
- #38: Thanks and appreciation from the Minister according to (532/2 م) at (11/8/2020).

#### ACADEMIC / TEACHING EXPERIENCE

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- 1- Transportation Engineering – Lab- 2007-2006 .
- 2- Transportation Engineering – Lab- 2008-2007 .
- 3- Transportation Engineering – Lab- 2009-2008.
- 4- Transportation Engineering – Lab – 2009- 2010.
- 5- Transportation Engineering – Lab - 2010 – 2011.
- 6- Traffic Engineering – Theoretical - 2010 - 2011.
- 7- Transportation Engineering – Theoretical – 2011 – 2012.
- 8- Traffic Engineering – Theoretical - 2011 - 2012.
- 9- Transportation Engineering – Theoretical - 2012 - 2013.
- 10- Traffic Engineering – Theoretical - 2012 - 2013.
- 11- Principles of Transportation - Theoretical - 2016 - 2017.
- 12- Asphalt Technology - Theoretical - 2016 - 2017.
- 13- Asphalt Technology - Theoretical - 2017 - 2018.
- 14- Asphalt Chemistry – Theoretical – 2017 – 2018.
- 15- Asphalt pavement materials – theoretical – 2018 – 2019.
- 16- Traffic engineering – Civil Eng. Dep. – theoretical – 2018 – 2019.
- 17- Asphalt Chemistry – Theoretical – 2018 – 2019.
- 18- Asphalt Chemistry – Theoretical – 2019 – 2020.
- 19- Traffic engineering – Civil Eng. Dep. – theoretical – 2019 – 2020.
- 20- Sustainable pavement systems – theoretical – 2019 – 2020.

- 21- Sustainable pavement systems – theoretical – 2020 – 2021.
- 22- Highway construction materials – theoretical – 2020 – 2021.
- 23- Advanced engineering design – theoretical (Master degree) – 2020 – 2021.
- 24- Sustainable pavement systems – theoretical – 2021 – 2022.
- 25- Highway construction materials – theoretical – 2021 – 2022.
- 26- Advanced sustainable pavement systems – theoretical (Master degree) – 2021 – 2022.

**Courses Taught:**

Under graduate	Graduate
1. Transportation Engineering. 2. Traffic Engineering. 3. Principles of Transportation Engineering. 4. Asphalt Technology. 5. Asphalt Chemistry. 6. Sustainable pavement systems. 7. Highway construction materials.	1. Advanced engineering design. 2. Advanced sustainable pavement systems.

**PUBLICATIONS:**

- 1- THE EFFECT OF ADDITIVE TYPE ON THE PROPERTIES OF HOT MIX ASPHALT. MINISTRY OF HIGHER EDUCATION AND SCIENTIFIC RESEARCH, AL-MUSTANSIRIYAH UNIVERSITY, ENGINEERING AND DEVELOPMENT JOURNAL. VOL. 15, No. 3, 2011.
- 2- THE EFFECT OF FILLER TYPE ON THE BEHAVIOR OF HOT MIX ASPHALT. MINISTRY OF HIGHER EDUCATION AND SCIENTIFIC RESEARCH, UNIVERSITY OF TECHNOLOGY, ENGINEERING AND TECHNOLOGY JOURNAL. VOL. 29, No. 9, 2011.
- 3- THE EFFECT OF FILLER / ASPHALT RATIO AND THE VOIDS IN MINERAL AGGREGATE ON HOT MIX ASPHALT. MINISTRY OF HIGHER EDUCATION AND SCIENTIFIC RESEARCH, UNIVERSITY OF BABYLON, JOURNAL OF BABYLON UNIVERSITY. VOL. 22, No.23, 2014.
- 4- AN OVERVIEW OF UTILIZATION OF BIO-OIL IN HOT MIX ASPHALT, S TAYH, R MUNIANDY, S HASSIM, F JAKARNI, E ABURKABA - WALIA JOURNAL, 2014.
- 5- AGING AND CONSISTENCY CHARACTERIZATION OF BIO-BINDERS FROM DOMESTIC WASTES, INTERNATIONAL JOURNAL OF APPLIED ENGINEERING RESEARCH, 12(10), 2613-2622, 2017.
- 6- CHEMICAL ANALYSIS AND CONSISTENCY CHARACTERIZATION OF DOMESTIC WASTE BIO-ASPHALTS (GLOBAL CIVIL ENGINEERING CONFERENCE, GCEC 2017: GCEC 2017 PP 1441-1451, CHAPTER 104).
- 7- EFFECT OF BLENDING SPEED AND BLADE LEVEL ON PROPERTIES OF CRUMB RUBBER MODIFIED ASPHALT BINDER (ARPN JOURNAL OF ENGINEERING AND APPLIED SCIENCES).
- 8- EVALUATION OF THE FATIGUE BEHAVIOR OF STONE MASTIC ASPHALT MODIFIED BY DOMESTIC WASTE BIO-ASPHALT (THE FOURTH SCIENTIFIC ENGINEERING AND FIRST SUSTAINABLE ENGINEERING CONFERENCE – 2018).
- 9- CHARACTERIZATION OF HOT MIX ASPHALT MODIFIED BY EGG SHELL POWDER (INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH AND TECHNOLOGY. ISSN 0974-3154 VOLUME 11, NUMBER 3 (2018), PP. 481-492 © INTERNATIONAL RESEARCH PUBLICATION HOUSE).
- 10- APPLICATION OF SUSTAINABLE TRANSPORT TOOLS IN CENTRAL AREA – BAGHDAD CITY (INTERNATIONAL JOURNAL OF SCIENCE AND RESEARCH (IJSR)).

- 11- INFLUENCE OF TIRE CRUMB RUBBER ON PROPERTIES OF ASPHALT BINDERS (2ND INTERNATIONAL CONFERENCE ON SUSTAINABLE ENGINEERING TECHNIQUES (ICSET 2019) – (IOP CONFERENCE SERIES: MATERIALS SCIENCE AND ENGINEERING, 518 (2019).
- 12- BANYHUSSAN, Q. S., TAYH, S. A., & MOSA, A. M. (2020). ECONOMIC AND ENVIRONMENTAL ASSESSMENTS FOR CONSTRUCTING NEW ROADS: CASE STUDY OF AL-MUTHANNA HIGHWAY IN BAGHDAD CITY. IN AWAM INTERNATIONAL CONFERENCE ON CIVIL ENGINEERING (PP. 525-546). SPRINGER, CHAM.
- 13- TAYH, S. A., YOUSIF, R. A., & BANYHUSSAN, Q. S. (2020). A COMPARATIVE STUDY OF PHYSICAL PROPERTIES USING VARIOUS GRADES ASPHALT BINDER WITH DIFFERENT TYPE OF FIBERS. THE JOURNAL OF ENGINEERING RESEARCH [TJER], 17(1), 34-40.
- 14- YOUSIF, R. A., TAYH, S. A., & JASIM, A. F. (2020). TRIP DISTRIBUTION GRAVITY MODEL OF AL-DIWANIYAH CITY: A CASE STUDY. IN AWAM INTERNATIONAL CONFERENCE ON CIVIL ENGINEERING (PP. 105-117). SPRINGER, CHAM.
- 15- ABD TAYH, S., & ALGHRERY, H. S. J. (2021, JUNE). EVALUATION OF THE EFFECT OF GRADATION ON MECHANICAL PROPERTIES OF STONE MASTIC ASPHALT MIXTURES. IN *IOP CONFERENCE SERIES: MATERIALS SCIENCE AND ENGINEERING* (VOL. 1105, NO. 1, P. 012087). IOP PUBLISHING.
- 16- YOUSIF, R. A., TAYH, S. A., AL-SAADY, I. F., & JASIM, A. F. (2022). PHYSICAL AND RHEOLOGICAL PROPERTIES OF ASPHALT BINDER MODIFIED WITH RECYCLED FIBERS. *ADVANCES IN CIVIL ENGINEERING*, 2022.

#### PROFESSIONAL DEVELOPMENT:

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- **Certifications.**
  - 1- Teacher education course (teaching methods). Al-Mustansiriyah University. From 14/05/2006 to 28/05/2006.
  - 2- Training course in the qualification of the use of computer. College of Engineering. From 18/5/2008 to 29/5/2008.
  - 3- Training course in the qualification of the use of computer. College of Engineering. From 06/02/2011 to 17/02/2011.
  - 4- Training course in the use of Total Station equipment. Al-Mesaha Company- Baghdad. February, 2010.
  - 5- Training course in the use of Navigation equipment (GPS TOPCON GMS-2). Al-Mesaha Company- Baghdad. July, 2010.
  - 6- Training course in the use of Microsoft word and power point. Mostansiriyah University- Engineering Faculty. (298) in (14/1/2018).
  - 7- Training course in the use of Data Acquisition Unit, Geodatalog 8 Chanals, (23/1/2018).
  - 8- Training course in the use of citation and referencing softwares for researches and thesis, Mostansiriyah University- Engineering Faculty. (3/7/95) in (26/2/2018).
- **Conferences.**
  - 1- Scientific symposium specializing in Sustainable Engineering, 10/05/2011.
  - 2- Comprehensive Engineering Conference for Research theses of the Faculty of Engineering/ Al-Mustansiriyah University, 07/05/2012.
  - 3- Global Civil Engineering Conference 2017 (GCEC 2017), Universiti Putra Malaysia.
  - 4- Scientific symposium about the planned, accomplished, and published researches in Highway and transportation engineering department, 4/10/2017.
- **Workshops.**
  - 1- Join workshop at the University of Technology (introducing Iraqi standards in the curriculum).

• Locations of works:

- 1- Engineering surveying work on the National and Qatari Leadership Buildings project for the period 1999-2001 with Areen Al Harith Contracting Company.
- 2- Construction surveying work in the solar energy building of the Ministry of Industry and Minerals in Al-Jadriya, Baghdad, 2001 with Areen Al-Harith Contracting Company.
- 3- Field surveys for an irrigation project south of the city of Mosul, including preparing contour maps for the area with the Engineering Survey Office 2002-2003.
- 4- Consultant on surveying work in the Rashid Water Development Project with the Engineering Consulting Office of Al-Nahrain University 2007-2012.

  
الأستاذ المساعد الدكتور  
سعد الساعدي الحارثي  
معاون العميد للشؤون العامة

  
الأستاذ الدكتور  
محمد هاشم محمد  
رئيس قسم هندسة الطرق والنقل