



## CURRICULUM VITAE

**-Full Name:** Saad Issa R. Sarsam  
**- Place and Date of Birth** Mosul- December 1955.  
**- Scientific Degree** B. Sc. Civil Engineering- 1977.  
P.G. Diploma – Transportation Engineering –1978  
M.Sc. –Transportation Engineering -1980  
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**-Languages Proficient in** Arabic and English  
**-Nationality** Iraqi  
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## ASSOCIATION AND MEMBERSHIP

- Iraqi Engineers union- since 1977.
- Indian Roads Congress IRC- Life Member, since 1978.
- Member of the editorial board of the American Journal of Civil and Structural Engineering AJCSE, USA, science 2014.
- Member of the editorial board of the International Journal of scientific research in knowledge IJSRK, Malaysia since 2014.
- Member of the editorial board of the American Journal of Science and Technology AJST, USA, science 2014. [The American Association for Science and Technology (AASCIT)].
- Member of the editorial board of the American Journal of Materials Research, AJMR, USA, science 2014. [The American Association for Science and Technology (AASCIT)].
- Member of the editorial board of the International Journal of advanced Materials Research, IJAMR, USA, 2014. Public science framework, [The American Institute of Science].
- Member of the editorial board of the International Journal of Mathematics and computational science IJMCS, USA, 2014. Public science framework, [The American Institute of Science].
- Member of the editorial board of the American Journal of Geophysics, Geochemistry, and Geo - systems AJGGG, USA, 2014. Public science framework, [The American Institute of Science].
- Member of the scientific promotion committee, College of Engineering, University of Baghdad (June, 2014- June, 2016).
- Member of the editorial board of the International Journal of Transportation Engineering and Traffic System. IJTETS, Journals Pub. A Division of Dhruv Info Systems Private Limited, India. 2015.
- Member of the editorial board of the International Journal of Geological and Geotechnical Engineering. IJGGE, Journals Pub. A Division of Dhruv Info Systems Private Limited, India. 2015.
- Member of the editorial board of the International Journal of Concrete Technology. IJCT, Journals Pub, a Division of Dhruv Info Systems Private Limited, India. 2015.
- Member of the editorial board of the Journal of Civil Engineering & Construction JOCEC, Sift Desk research page, SDRP. 2015.
- Member of the editorial board of the Journal of Materials Science JOMS, Sift Desk research page, SDRP. 2015.
- Member of the editorial board of the Journal of Civil Engineering and Architecture Research, Ethan publishing company. 2015.
- Member of the editorial board of the Applied research Journal ARJ, Iran since 2015.
- Member of the editorial board of the International Journal of science and Engineering IJSE, 2016.
- Associate Member of the editorial board of the International Journal of Engineering papers, scientific research gate publisher, 2016.
- Member of the editorial board of the American Journal of Traffic and Transportation Engineering (AJTTE), science PG., 2016.
- Chairman of the scientific promotion committee, College of Engineering, University of Baghdad (June, 2016- January, 2017).
- Head of the department of Civil Engineering, College of Engineering; University of Baghdad since December-2016.
- Member of the editorial board of the Journal of scientific achievements (JSA), 2017.
- Member of the editorial board of Journal of materials, SCRIEA, 2017
- Member of the editorial board of Journal of Civil Engineering and building construction, SCRIEA, 2017.
- Member of the editorial board of Journal of Traffic and transportation, SCRIEA, 2017.
- Member of Arab institute of operation and maintenance OMAINTEC, 2017.
- Member of the editorial board of Trends in Transport Engineering and Applications, STM Journal, TTEAJ, 2018.
- Member of the editorial board of Journal of Geotechnical Engineering, JGE, STM Journals, 2018.
- Member of the editorial board of Recent Trends in Civil Engineering & Technology, RTCE, STM Journal, 2018.
- Member of the scientific committee of MESAT2018 Conference, (Middle East Society of asphalt technologists, Beirut, Lebanon).
- Member of the editorial board of American journal of transportation and logistics, AJTL, 2018. eSciPub LLC, USA.
- Member of the editorial board of Journal of Advances in Civil Engineering and Construction Materials, JACECM, Unique Pub International, India, 2018.
- Member of the editorial board of Advancements in Materials (AM), ITS, 2018, USA.

- Member of the scientific board of 5<sup>th</sup> International conference on civil engineering, ICCE2018, Nanchang, China, 2018 (December 20-21).
- Member of the editorial board of World journal of engineering research and technology, 2018. India.

#### **LIST OF UNDER GRADUATE COURSES TEACHING ACTIVITIES**

- 1- "Transportation Engineering Laboratory" for (4<sup>th</sup> year- Civil Engineering), 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, at University of Mosul.
- 2- "Transportation Engineering" for (3<sup>th</sup> year- Civil Engineering), 2002, 2003, 2004 at University of Mosul.
- 3- "Traffic Engineering" for (4<sup>th</sup> year- Civil Engineering), 2003, 2004 at University of Mosul.
- 4- "Building Material Engineering" for (1<sup>st</sup> year- Civil Engineering), 1999, 2000, 2001, 2002, 2003, at University of Mosul.
- 5- "Building Construction" for (2<sup>nd</sup> year- Civil Engineering), 1998, 2000, at University of Mosul.
- 6- "Construction Management" for (4<sup>th</sup> year- Civil Engineering), 1998, 2001, at University of Mosul.
- 7- "Building Material Engineering" for (1<sup>st</sup> year- Civil Engineering), 2005, 2006, 2007, 2008, at University of Baghdad.
- 8- "Traffic Engineering" for (3<sup>rd</sup> year- Civil Engineering), 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2018 at University of Baghdad.
- 9- "Transportation Engineering" for (4<sup>th</sup> year- Surveying Engineering Department), 2011, 2012, 2013, 2014, 2015, 2016 at University of Baghdad.
- 10- "Building construction" (for 2<sup>nd</sup> year- civil Engineering), 2017 at University of Baghdad.

#### **LIST of POST GRADUATE COURSES TEACHING ACTIVITIES**

- 1- "Advanced Railway & Air Transportation Engineering" for (PhD. – Transportation Engineering), 2009.
- 2- "Advanced Pavement evaluation, Maintenance, and Rehabilitation", for (PhD. - Transportation Engineering), 2009.
- 3- "Pavement maintenance management system PMMS", for (PhD. -Construction management), 2010, 2012, 2018.
- 4- "Advanced techniques in soil stabilization Engineering and design", for (PhD. - Soil mechanics and Geotechniques Engineering), 2010, 2012, 2013, 2016.
- 5- "Advanced photogrammetry and route location" for (PhD. – Transportation Engineering), 2010.
- 6- "Soil Stabilization Engineering" for (PhD. – Transportation Engineering), 2012.
- 7- "Air Transportation Engineering" for (PhD. – Transportation Engineering), 2012, 2013.
- 8- "Advanced Railway Engineering" for (PhD. – Transportation Engineering), 2012, 2013.
- 9- "Airport and railway Engineering" for (MSc. – Transportation Engineering), 2010.
- 10- "Air Transportation Engineering" for (MSc. - Transportation Engineering), 2011, 2012, 2013, 2017.
- 11- "Pavement evaluation, Maintenance, and Rehabilitation", for (MSc. - Transportation Engineering), 2010, 2011, 2012, 2013, 2016, 2017, 2018.
- 12- "Advanced techniques in soil stabilization Engineering", for (MSc. - Soil mechanics and Geotechniques Engineering), 2014, 2015, 2016, 2017, 2018, 2019.
- 13- "Advanced Railway Engineering" for (MSc. – Transportation Engineering), 2012, 2013, 2017.
- 14- "Sustainable Transportation Engineering" for (MSc. Transportation Engineering), 2018, 2019.

#### **PROFESSIONAL; TECHNICAL ACTIVITIES; AND EXPERIENCE**

- 1- Design of road network for Badoosh munitions' warehouse complex, 1981.
- 2- Design and supervision on construction of Helicopter landing strip at Mack-lob Mountain 1982.
- 3- Working for six months as senior material Engineer of quality assurance during the construction of the Iraqi expressway No. 1 project through 1985-1986.
- 4- Structural design of Roller Compacted Concrete (RCCP) pavement widening for additional slow lane for Mosul- Duhok Highway- 1989.
- 5- Rehabilitation and quality control of runway construction for Mosul airport 1989.
- 6- Evaluation of concrete cracks at the foundation of terminal building of Erbil airport-1989.
- 7- Consultant Engineer for Ministry of Industry and Military manufacturing, Faw General Directory, 1989-1990.
- 8- Evaluation of structural condition of Mosul-Baghdad Highway section 1-1990.
- 9- Evaluation of runway surface condition for Mosul Airport –1990.
- 10- Rehabilitation of runway at Basheka mountain- 1990.
- 11- Quality control consultant for Bamirni Airport construction-1991.
- 12- Evaluation of structural failure condition of AL-Malia road and design for an alternative road 2001.
- 13- Establishing Training program at Iraqi Engineers Union for junior and senior engineers 2001-2004.
- 14- Consultant road Engineer for Municipality of Mosul on urban road resurfacing and construction 2001&2002.
- 15- Design of link road of 100m width passing through a swamp area at Mosul-2002.
- 16- Evaluation of pavement condition and design for maintenance of road network at Hamam Al- Alil cement factory-2002.
- 17- Design & supervision on construction of rural roads for Municipality of Mosul vicinity area-2002-2003.
- 18- Evaluation of pavement condition and design for maintenance of Highway at Shekhan, Mosul -2003.
- 19- Quality control consultant for Sumer Contracting Company on rehabilitation of Mosul International Hotel, Mosul- 2004.
- 20- Consultant Engineer for middle Euphrates international airport, Ministry of Transportation, 2011-2013.
- 21- Consultant Engineer for the state company for implementation of transportation facilities, Ministry of Transportation, 2011-2012.
- 22- Consultant Engineer for National center for construction laboratories and research NCCLR, Baghdad, Ministry of Construction and Housing, 2011-2012.

- 23- Consultant Engineer for Ministry of Transport, 2013-2014.
- 24- Consultant Engineer for National center for construction laboratories and research NCCLR, Baghdad, Ministry of Construction and Housing, 2014, 2015.
- 25- Consultant Engineer for AFM Group-Switzerland, Baghdad international airport rehabilitation project, 2014.
- 26- Consultant Engineer for Ministry of Transport for evaluation and rehabilitation of Baghdad International Airport Project, 2017.
- 27- Evaluation and testing the skid resistance of runway pavement surface for Baghdad international airport, 2017.
- 28- Evaluation of the structural condition and types of distress of pavement surface of a Taxi lane for Basra international airport 2017.
- 29-Research work on highway material technology, modified Asphalt cement, Grid reinforced Asphalt concrete, Recycling of Asphalt concrete, Roller compacted concrete pavement, asphalt stabilization, road user characteristics, Road noise and vehicle emission impact, from –1978-Until now.

<b>Titles of post and place of assignment</b>	<b>Dates from - to</b>	<b>Remarks</b>
<b>1-Senior Civil Engineer</b> at directory of military work.	1/4/1980 - 1/3/1983	Doing compulsory military service. Supervision on construction and design of road network, air- strip, underground structure for directory of military work.
<b>2-Senior material Engineer</b> at NCCL (National center for construction laboratories; Ministry of Housing and construction) –Mosul- Iraq.	1/3/1983 - 1/6/1988	Doing Consulting work on Material Engineering, project evaluation, quality control and quality assurance.
<b>3-Director</b> of NCCL- Mosul. Iraq. (National center for construction laboratories; Ministry of Housing and construction)	1/6/1988 - 1/9/1993	Managing 65 staff including Engineers, geologists, chemists, and laboratory assistants; Doing Consulting work on Material Engineering, project evaluation, quality control and quality assurance.
<b>4-Assistant lecturer</b> of Transportation Eng. at Department of Civil Eng., College of Eng., University of Mosul.	1/9/1993 - 5/12/1998	Teaching undergraduate student. Doing research work in Transportation Engineering.
<b>5-Lecturer</b> of Transportation Engineering at Dept. of Civil Eng. University of Mosul.	5/12/1998 - 26/5/2002	Teaching undergraduate student. Doing research work. Consultant in Transportation Engineering.
<b>6-Assistant professor</b> of Transportation Engineering at Department of civil Eng. University of Mosul.	26/5/2002 - 22/9/2005	Teaching undergraduate student. Doing research work. Consultant in Transportation Engineering.
<b>7- Assistant professor</b> of Transportation Engineering At Dept. of civil Eng. University of Baghdad.	22/9/2005 - 26/6/2007	Teaching undergraduate and postgraduate student. Doing research work. Consultant in Transportation Engineering.
<b>8- Professor</b> of Transportation Engineering at Dept. of civil Eng. University of Baghdad.	26/6/2007- until now	Teaching undergraduate and postgraduate student. Doing research work. Consultant in Transportation Engineering.
<b>9- Chairman</b> of the scientific promotion committee, College of Engineering, University of Baghdad.	June-2016 until January 2017	Organizing the scientific promotion activity for the teaching staff of college of Engineering, University of Baghdad.
<b>10- Head</b> of the Department of Civil Engineering at College of Engineering, University of Baghdad.	7/12/2016 – 9/7/2018	
<b>11- Professor</b> of Transportation Engineering at Dept. of civil Eng. University of Baghdad.	9/7/2018 until now	Teaching undergraduate and postgraduate student. Doing research work. Consultant in Transportation Engineering.

#### **CONFERANCES PARTICIPATION (with paper presentation)**

- 1-International Conference on Temperature Effects on Concrete and Asphaltic Concrete, June 16-17, 1982, Baghdad, Iraq.
- 2-1<sup>ST</sup> scientific conference-Ministry of housing & construction 1990, Iraq.
- 3- Symposium on the utilization of NDT and the structural appraisal of damaged structures” 17-18 August 1991 Baghdad. Iraq.
- 4- 1st scientific symposium-Jordan Road Society – 1992 Jordan.
- 5- 1<sup>ST</sup> Jordanian conference on Traffic Engineering and Environment, May 1997, Jordan.
- 6- 2<sup>nd</sup> Jordan Scientific conference of civil Engineering 1999.Jordan.
- 7- 8th International symposium "Transport and air pollution" including COST319-Final conference, 31May-2June, 1999- Graz, Austria.
- 8- 9th International scientific symposium "Transport and air pollution", 5-8 June 2000, Avignon, France.
- 9- Road safety on three continents conference, 20-22 September 2000 –Pretoria- South Africa.
- 10- 1<sup>st</sup> European FWD user group meeting, Delft University of Technology, February 2001, the Netherlands.
- 11- 4<sup>th</sup> Scientific Conference- Ministry of housing & construction 2001, Iraq.
- 12- 3<sup>rd</sup> Jordan Scientific conference of civil Engineering-2001, Jordan.
- 13- 1st International conference on steel and composite structures (ICSCS`01), 14-16 June 2001, Pusan, Korea.
- 14- 2<sup>nd</sup> Safety on road international conference (SORIC-2002), October 2002, Bahrain.
- 15- 6<sup>th</sup> International conference on concrete technology for developing countries, (6ICCT) 21-24 October 2002, Amman – Jordan.
- 16- 7<sup>th</sup> International Conference on managing Pavement Assets (ICMPA 7), Calgary, Alberta, Canada, 25-27 June-2008.
- 17- AL-Kindy 2nd annual Engineering conference ACE`08, 17-20 November 2008, Baghdad-Iraq.

- 18- 1<sup>st</sup> scientific conference of Civil Engineering College – AL Baath University, “Industry of Engineering Constructions” 11-13 May 2009, Humus – Syria.
- 19- TRB Conference - Developing a Research Agenda for Transportation Infrastructure Preservation and Renewal Conference, , Keck Center of the National Academies, November 12–13, 2009, Washington, D.C.
- 20- 2<sup>nd</sup> International Conference on Geotechnical Engineering ICGE 2010, 25th-27th October, Hammamet, Tunis.
- 21- AL-Nahrain 2ND regional scientific Engineering conference, AL-Nahrain Engineering College, 1-2 December, 2010, Baghdad- Iraq.
- 22- ASCE Conference – 1st integrated transportation and development for a better tomorrow, Chicago, Illinois, March 13-16, 2011.
- 23- 1<sup>st</sup> symposium of sustainable engineering, University of Baghdad, April 2011.
- 24- Scientific conference of Ministry of construction and housing, Baghdad, 20 June 2011.
- 25- 4<sup>th</sup> International Scientific conference of Salah-Alden University, Erbil, 18-20 October 2011.
- 26- Comprehensive Engineering Conference for research thesis, Al Mustansiria College of Engineering, 7-8 May 2012.
- 27- 8<sup>th</sup> International Conference on Material Sciences (CSM8-ISM5), UNESCO Palace, Beirut–Lebanon, May 28-30, 2012.
- 28- 5<sup>th</sup> Euroasphalt & Eurobitume Congress, 13-15 / June 2012, Istanbul.
- 29- International Conference on Management Sciences and Information Technology (MSIT 2012) Changsha, China, July 1-2, 2012.
- 30- The First National Conference for Engineering Sciences, 7-8 November 2012, AL-Nahrain University, Baghdad.
- 31- 6<sup>th</sup> Jordanian Conference of traffic safety, 18-20 November, 2012. Amman- Jordan.
- 32- 9<sup>th</sup> International conference and exhibition, concrete for sustainable construction, Kingdom of Bahrain 11-13 February 2013.
- 33- The 2013 T&DI Airfield and Highway Pavement Conference: Sustainable and Efficient Pavements June 9 - 12, 2013 Los Angeles, California USA
- 34- 2<sup>nd</sup> Engineering scientific conference, College of Engineering, Mosul University. 19-21 November 2013, Mosul, Iraq.
- 35- 1<sup>ST</sup> Cihan international scientific conference, 1<sup>st</sup>CISC, 20-21 April 2014, Erbil, Iraq.
- 36- 7<sup>th</sup> Jordanian Conference of traffic safety, 12-13 May, 2015. Amman- Jordan.
- 37- Third International Scientific Conference, ME3-CM01, University of Babylon-Hilla-Babylon- IRAQ, May 20-21, 2015.
- 38- 2nd International Conference on Buildings, Construction and Environmental Engineering- BCEE2 17-18 October 2015 Beirut, Lebanon.
- 39- 2nd ICIEM 2016, International Conference on Integrated Environmental Management for Sustainable Development. October 27-30, 2016 Sousse – Tunisia. Springer.
- 40- International conference of advances in sustainable construction materials and civil engineering system ASCMCES-17, Sharjah, April 18-20, 2017.
- 41- Keynote speaker, the 1<sup>st</sup> International and 7<sup>th</sup> Engineering conference of college of Engineering, University of Baghdad, May 2017.
- 42- Keynote speaker, 3rd Annual 2017 International Conference on Management Science and Engineering, Guilin, Guangxi, China, 18-20 August, 2017.
- 43- International Congress and Exhibition" Sustainable Civil Infrastructures: Innovative Infrastructure Geo-technology" Geo MEast 2017: Advancement in the Design and Performance of Sustainable Asphalt Pavements 15-19 July, Sharm El-Sheikh, Egypt, Springer Cham.
- 44- International Conference on Highway Pavements and Airfield Technology 2017; ASCE T&D 08/2017. Pennsylvania, USA.
- 45- Scientific conference of Ministry of construction, housing, municipality and public work, October 8-9, 2017, Baghdad.
- 46- 15<sup>th</sup> Arab maintenance exhibition and smart maintenance, OMAINTEC 2017 Beirut, Lebanon, 23-25 October, 2017.
- 47- 17th Annual International Conference on: Asphalt, Pavement Engineering and Infrastructure, 2018 LJMU, Wednesday 21st and Thursday 22nd February 2018, Liverpool, UK.
- 48- 4th Conference of the Middle East Society of Asphalt Technologists, MESAT 2018, July 4-6, 2018, Beirut- Lebanon.
- 49- 17th Annual International Conference on: Pavement Engineering, Asphalt Technology, and Infrastructure, 2019 LJMU, Wednesday 27and Thursday 28 February 2019, Liverpool, UK.

#### **SUPERVISION ON POST GRADUATE THERISES**

- 1-Supervisor on M Sc. Thesis entitled “Development of pavement maintenance management system for Baghdad urban roadway network” at Civil Engineering Department, University of Baghdad (2008 -2009).
- 2-Supervisor on M Sc. Thesis entitled “Modeling Household trip generation for selected municipality zones at Baghdad urban area” at Civil Engineering Department, University of Baghdad (2009 -2010).
- 3-Supervisor on M Sc. Thesis entitled “Development of a computer program for Airport runway location, orientation and length design in Iraq” at Civil Engineering Department, University of Baghdad (2009 -2010).
- 4-Supervisor on M Sc. Thesis entitled “Laboratory study of roller compaction technique in concrete construction” at Civil Engineering Department, University of Baghdad (2009 -2010).
- 5-Supervisor on M Sc. Thesis entitled “Effect of additives on the properties of roller compacted concrete” at Civil Engineering Department, University of Baghdad (2009 -2010).
- 6-Supervisor on M Sc. Thesis entitled “Implementation of Gypseous soil- asphalt stabilization technique in base course construction” at Civil Engineering Department, University of Baghdad (2009 -2010).
- 7-Supervisor on M Sc. Thesis entitled “Assessing asphalt and concrete surface texture properties in the field” at Civil Engineering Department, University of Baghdad (2010 -2011).
- 8-Supervisor on M Sc. Thesis entitled “Durability performance of roller compacted concrete” at Civil Engineering Department, University of Baghdad (2010 -2011).
- 9-Supervisor on M Sc. Thesis entitled “Assessing stripping behavior of asphalt cement using the surface energy concept” at Civil Engineering Department, University of Baghdad (2010 -2011).

- 10-Supervisor on M Sc. Thesis entitled “Assessing pullout behavior of earth reinforcement embedded in asphalt stabilized Gypseous soil” at Civil Engineering Department, University of Baghdad (2010 -2011).**
- 11-Supervisor on M Sc. Thesis entitled “GIS based travel potential along the proposed alignment of Baghdad metro tube” at Civil Engineering Department, University of Baghdad (2011 -2012).**
- 12-Supervisor on M Sc. Thesis entitled “Assessing Performance of Recycled Asphalt Concrete Sustainable pavement” at Civil Engineering Department, University of Baghdad (2011 -2012).**
- 13-Supervisor on M Sc. Thesis entitled “Assessment of Modified- Asphalt Cement properties” at Civil Engineering Department, University of Baghdad (2011 -2012).**
- 14-Supervisor on M Sc. Thesis entitled “Assessing close range photogrammetric approach to evaluate pavement surface condition” at Civil Engineering Department, University of Baghdad (2011 -2012).**
- 15-Supervisor on M Sc. Thesis entitled “Behavior of Earth Reinforced Asphalt Stabilized Gypseous Soil Embankment Model under Cyclic Loading” at Civil Engineering Department, University of Baghdad (2011 -2012).**
- 16-Supervisor on M Sc. Thesis entitled “Effect of water absorption on asphalt stabilized Gypseous soil” at Civil Engineering Department, University of Baghdad (2012 -2013).**
- 17-Supervisor on M Sc. Thesis entitled “Using the decision support system DSS in Pavement maintenance Management” at Civil Engineering Department, University of Baghdad (2012 -2013).**
- 18-Supervisor on M Sc. Thesis entitled “Durability of recycled asphalt concrete pavement” at Civil Engineering Department, University of Baghdad (2012 -2013).**
- 19-Supervisor on M Sc. Thesis entitled “Durability of super-pave asphalt concrete pavement” at Civil Engineering Department, University of Baghdad (2012 -2013).**
- 20-Supervisor on M Sc. Thesis entitled “Modeling the aging behavior of various local asphalt cement” at Civil Engineering Department, University of Baghdad (2012 -2013).**
- 21-Supervisor on M Sc. Thesis entitled “Comparative performance of asphalt concrete under hammer, gyratory, and roller compaction” at Civil Engineering Department, University of Baghdad (2012 -2013).**
- 22-Supervisor on M Sc. Thesis entitled “Modeling pedestrian speeds in Baghdad and Erbil cities” at Civil Engineering Department, University of Baghdad (2012 -2013).**
- 23-Supervisor on M Sc. Thesis entitled “Fatigue and rutting potentials of recycled sustainable asphalt concrete pavement” at Civil Engineering Department, University of Baghdad (2013 -2014).**
- 24-Supervisor on M Sc. Thesis entitled “Assessing cracking potential of super-pave asphalt concrete pavement” at Civil Engineering Department, University of Baghdad (2013 -2014).**
- 25-Supervisor on M Sc. Thesis entitled “Comparative evaluation of fatigue behavior for modified asphalt concrete pavement” at Civil Engineering Department, University of Baghdad (2013 -2014).**
- 26- Supervisor on M Sc. Thesis entitled “Effect of Nano materials on the durability of asphalt stabilized soil” at Civil Engineering Department, University of Baghdad (2014 -2015).**
- 27- Supervisor on M Sc. Thesis entitled “Verification of the structural capacity of asphalt stabilized embankment model” at Civil Engineering Department, University of Baghdad (2014 -2015).**
- 28- Supervisor on M Sc. Thesis entitled “Assessment of crack healing in asphalt concrete pavement” at Transportation Engineering Department, University of AL Mustansiria, (2015 -2016).**
- 29- Supervisor on M Sc. Thesis entitled “Assessing the Impact of asphalt additives on the crack healing ability of sustainable asphalt concrete” at Transportation Engineering Department, University of AL Mustansiria, (2016 -2017).**
- 30- Supervisor on M Sc. Thesis entitled “Assessment of deformation and shear properties under repeated loading of asphalt stabilized soil” at Civil Engineering Department, University of Baghdad (2016 -2017).**
- 31- Supervisor on M Sc. Thesis entitled “Verification of layered theory for stabilized and reinforced subgrade model” at Civil Engineering Department, University of Baghdad (2016 -2017).**
- 32- Supervisor on M Sc. Thesis entitled “Warm mix asphalt concrete” at Civil Engineering Department, University of Baghdad (2017 -2018).**
- 33- Supervisor on M Sc. Thesis entitled “Influence of liquid asphalt on the recycling process of asphalt concrete” at Civil Engineering Department, University of Baghdad (2017 -2018).**
- 34- Supervisor on M Sc. Thesis entitled “Comparative assessment of pedestrian characteristics at Baghdad and Nasiriya CBD” at Civil Engineering Department, University of Baghdad (2017 -2018).**
- 35- Supervisor on M Sc. Thesis entitled “Assessing the stripping potential of modified asphalt cement using surface free energy concept” at Civil Engineering Department, University of AL Mustansiria (2017 -2018).**
- 36- Supervisor on M Sc. Thesis entitled “Comparative evaluation of plain and bacterial concrete fatigue properties” at Civil Engineering Department, University of AL Mustansiria (2017 -2018).**
- 37- Supervisor on M Sc. Thesis entitled “Assessment of driver's characteristics at Baghdad CBD” at Civil Engineering Department, University of Baghdad (2017 -2018).**
- 38- Supervisor on M Sc. Thesis entitled “Influence of additives on the durability of recycled asphalt concrete” at Civil Engineering Department, University of Baghdad (2018 -2019).**
- 39- Supervisor on M Sc. Thesis entitled “Assessing the role of surface free energy in the performance of recycled sustainable pavement” at Civil Engineering Department, University of Baghdad (2018 -2019).**
- 40- Supervisor on M Sc. Thesis entitled “Assessment of the durability of stone matrix asphalt concrete” at Civil Engineering Department, University of Baghdad (2018 -2019).**

**41--** Supervisor on M Sc. Thesis entitled “Modeling asphalt concrete properties using nondestructive testing techniques” at Civil Engineering Department, University of Baghdad (2018 -2019).

### **PARTICIPATION IN POST GRADUATE THESIS EXAMINATION COMMITTEE**

- 1-** Co Examiner of MSc. Thesis entitled "The use of coarse and fine aggregate not satisfying Iraqi specification for grading in concrete" at Civil Engineering Department, University of Baghdad, 3-1- 2006.
- 2-** Co Examiner of MSc. Thesis entitled "Super-pave mineral aggregate properties as related to moisture sensitivity of paving mixtures" at Civil Engineering Department, University of Baghdad, 4-9- 2006.
- 3-** Co Examiner of MSc. Thesis entitled "Development of a computer program for storage and analysis of traffic accident data" at Civil Engineering Department, University of Baghdad, 23-11-2006.
- 4-** Co Examiner of MSc. Thesis entitled “Study of traffic movements at AL-Shawaf and AL-Tahirer intersections” at Civil Engineering Department, University of Baghdad, 27-9-2007.
- 5-** Co Examiner of M Sc. Thesis entitled “Insulating light weight aggregate concrete for roofing” at Civil Engineering Department, University of Baghdad, 4-3-2009.
- 6-** Co Examiner of M Sc. Thesis entitled “Physical properties of concrete containing Met kaolin” at Civil Engineering Department, University of Baghdad, 16-4-2009.
- 7-** Co Examiner of M Sc. Thesis entitled “The transition to a PG grading system for asphalt cement in Iraq” at Civil Engineering Department, University of Baghdad, 15-6-2009.
- 8-** Chairman of Examination committee of M Sc. Thesis entitled “Improving of loose sand using geogrid to resist eccentric loads” at Civil Engineering Department, University of Baghdad, 15-7-2009.
- 9-** Co Examiner of M Sc. Thesis entitled “Effect of additives on the properties of self-compacting concrete” at Civil Engineering Department, University of Baghdad, 2-12-2010.
- 10-** Chairman of Examination committee of M Sc. Thesis entitled “Improvement of traffic movement for roads network at Al-kadhimiya center” at Civil Engineering Department, University of Baghdad, 12-6-2011.
- 11-** Chairman of Examination committee of M Sc. Thesis entitled “Improving traffic flow in arterials at holly Karbala city” at road and transportation Engineering Department, University of Al-Mustansiria, 16-6-2011.
- 12-** Chairman of Examination committee of M Sc. Thesis entitled “Study of parking characteristics at Al-Mustansiria University main campus” at road and transportation Engineering Department, University of Al-Mustansiria, 24-11-2011.
- 13-** Chairman of Examination committee of M Sc. Thesis entitled “Short and long term aging behavior of hot paving asphalt mixtures” at civil Engineering department, university of Mosul, 11-4-2013.
- 14-** Chairman of Examination committee of M Sc. Thesis entitled “Effect of lime on performance properties of asphalt concrete mixture” at Civil Engineering Department, University of Baghdad, 3-9-2013.
- 15-** Co Examiner of M Sc. Thesis entitled “Properties of self-compacting concrete with recycled concrete as aggregate” at Civil Engineering Department, University of Baghdad, 7-11-2013.
- 16-** Chairman of Examination committee of M Sc. Thesis entitled “The suitability of using high modulus asphalt concrete in local paving works” at Civil Engineering Department, University of Baghdad, 16-6-2014.
- 17-** Chairman of Examination committee of M Sc. Thesis entitled “Permanent deformation model for asphalt concrete wearing course” at Civil Engineering Department, University of Baghdad, 11-8-2014.
- 18-** Chairman of Examination committee of M Sc. Thesis entitled “Classification of full-wave form aerial laser scanning data into terrain and off terrain points for digital terrain model (DTM) extraction” at Surveying Engineering Department, University of Baghdad, 16-10-2014.
- 19-** Co Examiner of M Sc. Thesis entitled “Automatic data driven registration adjustment of multisource remote sensing data sets” at Surveying Engineering Department, University of Baghdad, 23-10-2014.
- 20-** Chairman of Examination committee of M Sc. Thesis entitled “Rutting prediction of asphalt concrete mixture for hot climate area” at Civil Engineering Department, University of Baghdad, 27-01-2015.
- 21-** Chairman of Examination committee of M Sc. Thesis entitled “Performance of recycled asphalt mixture” at building and construction Department, University of Technology, 19-03-2015.
- 22-** Chairman of Examination committee of M Sc. Thesis entitled “Assessing the durability of asphalt stabilized Gypseous soil embankment” at Civil Engineering Department, University of Baghdad, 26-03-2015.
- 23-** Chairman of Examination committee of M Sc. Thesis entitled “Stabilization of Nasiriya soil by using combination of additives and emulsified asphalt” at Civil Engineering Department, University of Baghdad, 02-04-2015.
- 24-** Chairman of Examination committee of M Sc. Thesis entitled “Development of a computer aided system for the structural design of flexible pavement” at Civil Engineering Department, University of Baghdad, 08-06-2015.
- 25-** Chairman of Examination committee of M Sc. Thesis entitled “Suitability study of local aggregates for asphalt mixes at Nineveh province” at building and construction Department, University of Technology, 12-05-2016.
- 26-** Chairman of Examination committee of M Sc. Thesis entitled “Development of sustainability rating system for rural roadway projects in Iraq” at Civil Engineering Department, University of Baghdad, 23-06-2016.
- 27-** Chairman of Examination committee of M Sc. Thesis entitled “Prediction of resilient modulus for subgrade from index properties for Iraqi road assessment” at Civil Engineering Department, University of Almustansiriah, 15-02-2017.
- 28-** Chairman of Examination committee of M Sc. Thesis entitled “Soil improvement by using vibro-stone column technique” at Civil Engineering Department, University of Baghdad, 20-02-2017.
- 29-** Chairman of Examination committee of M Sc. Thesis entitled “Determination of cement content for grouted sandy Iraqi soil” at Civil Engineering Department, University of Baghdad, 05-04-2017.

- 30-** Chairman of Examination committee of M Sc. Thesis entitled “Evaluation of pile-geosynthetic technique to improve soft soil under roadway using prototype and stochastic finite element analysis” at Civil Engineering Department, University of Almustansiriah, 04-01-2018.
- 31-** Chairman of Examination committee of M Sc. Thesis entitled “Improvement of Gypseous soil by Nano materials” at Civil Engineering Department, University of Baghdad, 26-7-2018.
- 32-** Chairman of Examination committee of M Sc. Thesis entitled “Prediction of rutting resistance for high modulus asphalt pavement” at Civil Engineering Department, University of Baghdad, 3-1-2019.
- 33-** Chairman of Examination committee of M Sc. Thesis entitled “Development of bridge performance monitoring system based on geographic information techniques” at Surveying Engineering Department, University of Baghdad, 19-2-2019.
- 34-** Chairman of Examination committee of M Sc. Thesis entitled “Evaluating the moisture susceptibility of asphalt mixtures containing demolished concrete waste aggregate” at Civil Engineering Department, University of Baghdad, 31-3-2019.
- 35-** External examiner for college of engineering, university of Mosul and University of Almustansiriah.

### **SCIENTIFIC REVIEWER OF POST GRADUATE THESES**

- 1-** Scientific reviewer of MSc theses “GIS based project information system for construction management of housing sector in Iraq” University of Baghdad, college of Engineering, 2011.
- 2-** Scientific reviewer of MSc theses “Evaluation of flexural and thermal properties of self-compacting concrete used in rigid highway pavement” Ministry of higher education and scientific research, 2013.
- 3-** Scientific reviewer of MSc theses “Improvement of the mechanical characteristics of reclaimed asphalt pavement in Iraq” University of al-Mustansiria, 2013.
- 4-** Scientific reviewer of MSc theses “Modeling of traffic queues and delay at CBD in Sulaimaniah city” University of al-Mustansiria, 2013.
- 5-** Scientific reviewer of MSc theses “Cracking propagation modeling for local rigid pavement” University of al-Mustansiria, 2014.
- 6-** Scientific reviewer of MSc theses “Evaluation of reinforced sub base layer over expansive subgrade soil” University of Technology, 2015.
- 7-** Scientific reviewer of MSc theses “Effect of combined uses of cementations materials on behavior of high performance concrete” University of Technology, 2015.
- 8-** Scientific reviewer of MSc theses “Performance evaluation of concrete block paving unites manufactured from recycled concrete aggregates” University of Al-Mustansiria, 2016.
- 9-** Scientific reviewer of PhD Dissertation “Behavior of high performance sustainable lightweight insulated concrete products” University of Technology, 2016.
- 10-** Scientific reviewer of MSc theses “Techno-economic evaluation to improve embankment underneath ballast for railway design criteria” University of Al-Mustansiria, 2017.

### **COSULTATION WORK**

- \*Scientific reviewer for “Journal of Engineering”, a scientific Journal of Engineering College- Baghdad University (2005 until now).
- \*Scientific reviewer for “Engineering and Development”, a scientific Journal of Engineering College- AL-Mustansiria University (2005 until now).
- \*Scientific reviewer for central organization for standardization and quality control (COSQC) since 2007.
- \*Scientific reviewer for 7th International Conference on managing Pavement Assets (ICMPA 7), Calgary, Alberta, Canada, June-2008.
- \*Scientific reviewer for 6th scientific Engineering Conference, Baghdad University, April-2009.
- \*Scientific reviewer for “AL-Khwarizmi Journal of Engineering”, a scientific Journal of AL-Khwarizmi Engineering College- Baghdad University (2009 until now).
- \*Scientific reviewer for 2nd Regional Scientific Engineering Conference, AL-Nahrain University, December-2010.
- \*Scientific reviewer for “Engineering and technology journal”, University of Technology, (2010 until now).
- \*Scientific reviewer for the scientific conference of Ministry of Construction and Housing, Baghdad, 20 June 2011.
- \*Scientific reviewer for “AL-Rafidain Engineering journal”, University of Mosul, (2012 until now).
- \*Scientific reviewer for International Symposium on Advances in Ground Technology and Geo-Information (IS-AGTG), 1-2 December 2011, Singapore.
- \*Scientific reviewer for Kufa Engineering Journal of University of Kufa.
- \*Scientific reviewer for scientific promotion committee of University of Al-Anbar.
- \*Scientific reviewer for scientific promotion committee of University of Nahrain.
- \*Scientific reviewer for scientific promotion committee of University of Mosul.
- \*Scientific reviewer for scientific promotion committee of Ministry of higher education and scientific research.
- \*Scientific reviewer and member of scientific promotion committee of University of Baghdad. 2014, 2015, 2016.
- \*Scientific reviewer for scientific promotion committee of University of Kufa, Faculty of Engineering.
- \*Scientific reviewer for scientific promotion committee of University of AL-Mustansiria.
- \*Scientific reviewer for scientific promotion committee of University of Mesan.
- \*Scientific reviewer for scientific promotion committee of foundation of technical education, Baghdad.
- \*Scientific reviewer for scientific promotion committee of University of Duhok.
- \*Scientific reviewer for the international conference to achieve sustainable development in Iraq, the research and development directorate, Ministry of higher education and scientific research, Baghdad, Iraq, May 8-9, 2013.
- \*Scientific reviewer for IJSRK (International journal of scientific research in knowledge), Malaysia (2014 until now).

- \*Scientific reviewer for AJCSE (American journal of civil and structural Engineering), USA. (2014 until now).
- \*Scientific reviewer for JEGH (Journal of Engineering Geology and hydrogeology), USA. (2014 until now).
- \*Scientific reviewer for (World Journal of Civil Engineering and Construction Technology), Premier Publishers, (2014 until now).
- \*Scientific reviewer for (Academic journal.org), Nigeria, (2014 until now).
- \*Scientific reviewer for American Journal of Science and Technology AJST, USA, (2014 until now).
- \*Scientific reviewer for American Journal of Materials Research, AJMR, USA, (2014 until now).
- \*Scientific reviewer for AASCIT Materials, USA, (2014 until now).
- \*Scientific reviewer for World Journal of Engineering and Physical Sciences (WJEPS), (2015 until now).
- \*Scientific reviewer for International Journal of advanced Materials Research, IJAMR, USA, (2014 until now).
- \*Scientific reviewer for International Journal of Mathematics and computational science IJMCS, USA, (2014 until now).
- \*Scientific reviewer for American Journal of Geophysics, Geochemistry, and Geosystems AJGGG, USA, (2014 until now).
- \*Scientific reviewer for Journal of Nano Science and Nano Engineering JNNE, USA, (2015 until now).
- \*Scientific reviewer for Journal of Civil Engineering and Architecture Research, Ethan publishing company science 2016.
- \*Scientific reviewer for Journal Universiti Teknologi Malaysia, since 2016.
- \*Scientific reviewer for Science Publishing Group, (Science PG) USA, since 2016.
- \*Scientific reviewer for Arabian Journal of Geosciences, 2017.
- \*Scientific reviewer for the 1<sup>st</sup> International and 7<sup>th</sup> Engineering conference of college of Engineering, University of Baghdad, May 2017.
- \*Scientific reviewer for the 3<sup>rd</sup> International conference on building, construction, and environmental engineering, BCEE3 2017, Egypt.
- \*Scientific reviewer for the International Journal of Pavement Engineering and Asphalt Technology (PEAT), England, 2017, 2018.
- \*Scientific reviewer for the 1<sup>st</sup> Diyala International conference of engineering science [1stDICES'2018], 2018.
- \*Scientific reviewer for the ASTM Journal of testing and evaluation, 2018.
- \*Scientific reviewer for the 2<sup>st</sup> International conference on engineering science, University of Kerbala, March, [ICES], 2018.
- \*Scientific reviewer for Engineering Journal, (EJ), Faculty of Engineering, Chulalongkorn University, Bangkok, Thailand. 2018.
- \*Scientific reviewer for International Journal of Engineering & Technology IJET, UAE, 2019.

#### **AWARDS AND CERTIFICATES OF APPRECIATION**

- 1- Appreciation letter denoted by Director General, National center for construction laboratories, (5177) on 10/5/1988.
- 2- Appreciation letter denoted by Director General, National center for construction laboratories, (6664) on 19/6/1988.
- 3- Appreciation letter donated by Director of Military Core 40497, (10175) on 26/10/1988.
- 4- Appreciation letter denoted by Director General, National center for construction laboratories, (2301) on 9/3/1989.
- 5- Appreciation letter donated by Director General, National center for construction laboratories, (3222) on 4/4/1989.
- 6- Appreciation letter denoted by Director General, National center for construction laboratories, (7855) on 20/8/1989.
- 7- Appreciation letter denoted by Director General, National center for construction laboratories, (445) on 13/9/1989.
- 8- Appreciation letter denoted by Minister of Housing and construction, (4797) on 15/3/1990.
- 9- Appreciation letter denoted by Director General, Ministry of housing and construction, (165) on 24/3/1990.
- 10- Appreciation letter donated by Director General, National center for construction laboratories, (7020) on 7/8/1990.
- 11- Appreciation letter denoted by Director General, National center for construction laboratories, (7042) on 9/8/1990.
- 12- Appreciation letter donated by Director General, National center for construction laboratories, (9007) on 16/10/1990.
- 13- Appreciation letter denoted by Director General, National center for construction laboratories, (9336) on 30/10/1990.
- 14- Appreciation letter donated by Director General, National center for construction laboratories, (5331) on 5/10/1991.
- 15- Appreciation letter denoted by Director General, National center for construction laboratories, (5954) on 22/10/1991.
- 16- Appreciation letter donated by Mayor of Ninawa, (5744) on 18/4/1992.
- 17- Appreciation letter donated by Director General, National center for construction laboratories, (7596) on 30/8/1992.
- 18- Appreciation letter denoted by Director General, National center for construction laboratories, (1863) on 4/3/1993.
- 19- Appreciation certificate denoted by the chancellor, university of Al Nahrain, on 2010.
- 20- Appreciation letter donated by the chancellor, university of Baghdad, (15905) on 9/5/2011.
- 21- Appreciation letter donated by Director General, Ministry of Construction and Housing, (17707) on 20/6/2011.
- 22- Appreciation letter donated by Director General, Ministry of Construction and Housing, (17708) on 20/6/2011.
- 23- Appreciation certificate denoted by Minister of higher education and scientific research, on 2012.
- 24- Appreciation letter donated by the Dean, College of Engineering, university of Baghdad, (4967) on 18/11/2012.
- 25- Appreciation certificate donated by the Dean, College of Engineering, university of Mosul, on 2013.
- 26- Appreciation letter donated by the Dean, College of Engineering, university of Baghdad, (3642) on 17/7/2014.
- 27- Appreciation letter donated by head of surveying engineering department, (278/1/21) on 19/8/2014.
- 28- Appreciation letter donated by the chancellor, university of Baghdad, (5711) on 13/10/2014.
- 29- Appreciation letter donated by the Dean, College of Engineering, university of Baghdad, (3637) on 13/10/2014.
- 30- Appreciation certificate donated by the Dean, Building and construction Engineering, university of Technology, on 2015.
- 31- Appreciation letter donated by the deputy chancellor, university of Baghdad, (3232) on 13/7/2015.
- 32- Appreciation certificate denoted by the deputy minister of higher education and scientific research, on 2016.
- 33- Appreciation letter donated by the Dean, College of Engineering, university of Baghdad, (2535) on 31/5/2016.
- 34- Appreciation letter donated by the Dean, College of Engineering, university of Baghdad, (3992) on 26/9/2016.
- 35- Appreciation letter donated by the deputy chancellor, university of Baghdad, (4892) on 17/10/2016.
- 36- Appreciation letter donated by head of electric engineering department, (310/1/8) on 17/10/2016.
- 37- Appreciation letter donated by the chairman, central organization for standardization and quality control, (3962) on 8-12-2016.



- 38- Appreciation letter donated by the Dean, College of Engineering, university of Al Mustansiria, (502/2/3) on 19/01/2017.
- 39- Appreciation letter donated by the Dean, College of Engineering, university of Al Mustansiria, (1420/1/14) on 26/02/2017.
- 40- Appreciation letter denoted by Director general, Ministry of Housing and construction, (4343) on 9/2/2017.
- 41- Appreciation letter denoted by the Dean, College of science for women, University of Baghdad, (1856/11) on 2/4/2017.
- 42- Appreciation letter denoted by the Dean, College of Engineering, University of Baghdad, (140) on 11/5/2017.
- 43- Certificate of Appreciation denoted by the Dean, College of Engineering, University of Baghdad, on 18/5/2017.
- 44- Appreciation letter donated by the chairman, central organization for standardization and quality control, (1570) on 25/5/2017.
- 45- Appreciation letter donated by the Dean, College of Engineering, university of Baghdad, (154) on 1/6/2017.
- 46- Appreciation letter donated by the editor, AL-Nahrain Journal for Engineering, (357) on 24/4/2017.
- 47- Appreciation letter donated by the Minister of higher education and scientific research, (1002) on 22/6/2017.
- 48- Appreciation letter donated by the Minister of Youth and sport, (1692) on 24/7/2017.
- 49- Appreciation letter donated by the Dean, College of Engineering, university of Baghdad, (3427) on 16/08/2017.
- 50- Appreciation letter donated by the Minister of education, (19868) on 14/9/2017.
- 51- Appreciation letter donated by the Dean, College of Engineering, university of Al Mustansiria, (8961/2/3) on 28/12/2017.
- 52- Appreciation letter donated by the Dean, College of Engineering, university of Al Mustansiria, (3046/2/3) on 25/4/2018.
- 53- Appreciation letter donated by the Dean, College of Engineering, university of Baghdad, (159) on 9/7/2018.
- 54- Appreciation letter donated by the Dean, College of Engineering, university of Baghdad, (200) on 30/8/2018.
- 55- Appreciation letter donated by the Dean, College of Engineering, university of Baghdad, (46) on 18/2/2019.

## **PUBLICATIONS**

### **a.) Books**

- 1- Sarsam, Daham, and Ali “Assessing Photogrammetric Approach to Evaluate pavement surface health” Lambert academic publishing, ISBN: 978-3-659-87425-3, 2016.
- 2- Sarsam S. and Khalid M. “Influence of compaction method on asphalt concrete quality” Lambert academic publishing, ISBN: 978-3-330-02415-1, 2016.
- 3- Sarsam S. and Husain H. “Monitoring the Impact of Micro Cracks Healing Cycles on the Deformation of Asphalt Concrete Under Repeated Loading” (Book Chapter) Advancement in the Design and Performance of Sustainable Asphalt Pavements. Proceedings of the 1st GeoMEast International Congress and Exhibition, Egypt 2017 on Sustainable Civil Infrastructures. Springer, DOI 10.1007/978-3-319-61908-8. ISBN 978-3-319-61908-8.
- 4- Sarsam S. and Kais A. “Resilient Characteristics of Asphalt Stabilized Soil” (Book Chapter) Sustainable Solutions for Railways and Transportation Engineering. Proceedings of the 2nd GeoMEast International Congress and Exhibition on Sustainable Civil Infrastructures, Egypt 2018 – The Official International Congress of the Soil-Structure Interaction Group in Egypt (SSIGE). Springer, DOI.org/10.1007/978-3-030-01911-2. ISBN 978-3-030-01911-2.

### **b.) Research work**

- 1- Shri Prakash and Saad Sarsam “Effect of binder and moisture contents on soil-cutback mix” Indian Highways IRC Vol. 8 No.3 1980. India.
- 2- Saad Sarsam and Shri Prakash “An investigation on bituminous stabilization for soils in southern states of Iraq” Zanco Vol. 7 No.1 1981.Iraq.
- 3- Shri Prakash and Saad Sarsam “Effect of curing time on soil-cutback mix for Faloga soil” Indian Highways IRC Vol. 9 No.10 1981. India.
- 4- Shri Prakash, Tharwat Baban , Saad Sarsam “Thermal effect on strength of Asphaltic soils” International conference on temperature effect on concrete and Asphaltic concrete- proceeding-16-17 June 1982 Baghdad. Iraq.
- 5- Saad Sarsam “A study of mineral filler in dense graded Asphalt Concrete” Indian Highways IRC Vol. 12 No.12 1984. India.
- 6- Saad Sarsam “A study on California bearing ratio test for Asphaltic soils” Indian Highways IRC Vol. 14 No.9 1986. India.
- 7- Saad Sarsam “Effect of various gradations on the properties of Asphaltic Concrete using two design methods” Indian Highways IRC Vol. 15 No.10 1987.India.
- 8- Saad Sarsam “An investigation on rutting in flexible pavement” Proceeding Vol.2 1ST Scientific conference-Ministry of housing & construction 1990 Baghdad. Iraq.
- 9- Saad Sarsam “Nondestructive evaluation of pavement” Proceeding- Symposium on the utilization of NDT and the structural appraisal of damaged structures” 17-18 August 1991 Baghdad. Iraq.
- 10- Jalily A.; Sarsam S. , Sofia G. “ Effect of reheating, compaction and sampling technique on physical properties of Asphalt Concrete” proceeding, Symposium on pavement technology, Jordan road society, November 1992, Jordan.
- 11- Saad Sarsam, Saad Ali , Sahira Mohamed “A study of cavity formation in rocks beneath structures foundation at Mosul” Al – Muhandis Serial 127 No. 3, 1996.Iraq.
- 12- Saad Sarsam “Nondestructive testing of concrete and reinforced concrete using crack monitoring” proceeding, 2nd scientific conference, College of Engineering, University of Tikrit 1-2 October 1996.Iraq.
- 13- Saad Sarsam” Road noise generation and control through land use planning” 1ST Jordanian conference on traffic Engineering and environment, May 1997, Jordan.
- 14- Saad Sarsam “The design of Asphaltic Concrete mix using a mathematical model” Engineering and Technology Vol.16 NO. 3- 1997.Iraq.

- 15- Saad Sarsam "Effect of mode of compaction on the properties of Asphaltic Concrete" Engineering and Technology Vol.16 NO. 9-1997.Iraq.
- 16- Saad Sarsam "Evaluation of cracking in concrete using crack measurement technique" Scientific Journal- Tikrit University-Engineering Sciences; Vol.5 No. 2 –1998, Iraq.
- 17- Saad Sarsam "Evaluation of changes in structural properties of Asphalt Concrete by the addition of scrap tire rubber" Proceeding – 2ND Jordan Scientific conference of civil Engineering 16-17 November - 1999.Jordan.
- 18- Saad Sarsam and Othman AL-Bazzaz "Effect of plastic geogrid on tensile properties of Asphalt Concrete" Proceeding –2ND Jordan Scientific conference of civil Engineering 16-17 November - 1999.Jordan.
- 19- Saad Sarsam "Prediction of rut depth in Asphalt Concrete Pavement" Scientific Journal- Tikrit University- Engineering Sci. Vol.6 No. 4 –1999.Iraq.
- 20- Saad Sarsam" Assessing traffic generated Emissions and noise impacts along urban arterials in Mosul" Poster presentation, 8th International symposium "Transport and air pollution" including COST319-Final conference, 31May-2June, 1999- Graz, Austria.
- 21- Rafi Suleiman & Saad Sarsam "Effect of liquid Asphalt on geotechnical properties of Gypseous soil" Engineering and Technology Vol.19 NO.4- 2000.Iraq.
- 22-Saad Sarsam "A study on plastic grid reinforced Asphalt Concrete" Scientific Journal- Tikrit University- Engineering Sci. Vol. 7 No. 2 –2000.Iraq.
- 23- Saad Sarsam "Assessing the risk and potential of personal exposure to road generated pollutant emission" Poster presentation, 9th International scientific symposium "Transport and air pollution", 5-8 June 2000, Avignon, France.
- 24- Saad Sarsam "Analysis of Pedestrian travel characteristics in Mosul" Proceeding- Road safety on three continents 20-22 September 2000 –Pretoria- South Africa.
- 25- Saad Sarsam "Assessing traffic generated Emissions and noise impacts along urban arterials in Mosul" Al –Muhandis Serial 141 No. 1- 2001.Iraq.
- 26- Saad Sarsam" Determination of Asphalt Concrete residual life from physical properties" Proceedings, 1ST European FWD user group meeting, Delft University of Technology, February 2001, the Netherlands.
- 27- Saad Sarsam "Evaluation of Asphalt Concrete properties using NDT" Proceedings, 1ST European FWD user group meeting, Delft University of Technology, February 2001, the Netherlands.
- 28- Saad Sarsam "Evaluation of reinforcing steel quality fabricated from scrap" Proceedings, 3RD Jordan Scientific conference of civil Engineering- 29-31 October –2001.Jordan.
- 29- Azaam Ismael, Rafi Mohammad & Saad Sarsam "Assessing physical and rheological properties of Asphalt- Rubber binder". Accepted for publication – Technical scientific journal 2001.Iraq.
- 30- Saad Sarsam "Evaluation of roller compacted concrete pavement properties" Engineering and Development Vol. 6 No. 1 –2002.Iraq.
- 31- Saad Sarsam, Gandhi Sofia & Ayman Abdulmawjod "Analysis of Pavement damage attributed to hazardous material transportation" Al –Muhandis Serial 150 No. 2- 2002.Iraq.
- 32- Saad Sarsam "Modeling pedestrian crossing and walking behavior at Mosul CBD" Proceeding, 2ND Safety on road international conference, October 2002, Bahrain.
- 33- Saad Sarsam "Evaluation of roller compacted concrete pavement properties" Proceeding, 6th International conference on concrete technology for developing countries, (6ICCT) 21-24 October, 2002, Amman – Jordan.
- 34- Saad Sarsam "Flexure and cracking behavior of roller compacted Asphalt Concrete" Engineering and Development, Vol.9, No.4, December 2005.Iraq.
- 35- Saad Sarsam "Improving Asphalt Concrete quality for ramps and approaches" IRC, Indian Highways, Vol.34 No.3- 2006.India.
- 36- Saad Sarsam "Evaluation of driver's characteristics in Mosul" University of Sharjah Journal of pure and applied Sciences Vol.3 No.1 (p33-48), Sharjah 2006 UAE.
- 37- Saad Sarsam; Basil Shkur; Emad Abbas "Evaluation of Asphalt Concrete quality using an expert system ACQAES" Engineering and Development, Vol.10, No.3 September-2006. Iraq.
- 38- Saad Sarsam "A study of aging and recycling of Asphalt Concrete pavement" University of Sharjah, Journal of pure and applied Sciences, Vol.4 No.2 June- 2007. (P79-94)Sharjah UAE.
- 39- Saad Sarsam "Assessing the risk and potential of personal exposure to road generated pollutant emission through urban transportation system" Journal of Engineering, Scientific Journal of Engineering College, Baghdad University, Vol.14 No.1 March, 2008.
- 40- Saad Sarsam and Ayman Abdulmawjod, "A comparative study of roller and hammer compacted Asphalt Concrete" Engineering and Technology, Vol.26 No.5 2008.
- 41- Saad Sarsam and Salah Ibrahim "Contribution of liquid Asphalt in shear strength and rebound consolidation behavior of Gypseous soil", Engineering and Technology, Vol.26 No.4 2008.
- 42- Saad Sarsam "Development of Pavement Maintenance Management System using visual evaluation of Asphalt Concrete surface condition and Expert system" Proceeding, 7th International Conference on managing Pavement Assets (ICMPA 7), Calgary, Alberta, Canada,25-27 June-2008.
- 43- Saad Sarsam " Evaluating and testing rheological and physical properties of Mastic Asphalt" Indian Highways IRC Vol. 36 No.5-2008, India.
- 44- Saad Sarsam "Development of Pavement Maintenance Management System using visual evaluation of Asphalt Concrete surface condition and Expert system" Proceeding, AL-Kindy 2nd annual Engineering conference ACE`08, 17-20 November 2008, Baghdad-Iraq.
- 45- Saad Sarsam and Amina Talal "Development of pavement maintenance management system for Baghdad urban roadway network" Proceedings, 1st scientific conference of Civil Engineering College – AL Baath University, "Industry of Engineering Constructions" 11-13 May 2009, Humus – Syria.

- 46- Saad Sarsam and Amina Talal "Development of pavement maintenance management system for Baghdad urban roadway network" TRB Conference, Developing a Research Agenda for Transportation Infrastructure Preservation and Renewal Conference, TRB, Keck Center of the National Academies, November 12–13, 2009, Washington, D.C.
- 47- Saad Sarsam "Assessing Asphalt Concrete Deterioration Model from In-Service Pavement Data" TRB Conference, Developing a Research Agenda for Transportation Infrastructure Preservation and Renewal Conference, TRB, Keck Center of the National Academies, November 12–13, 2009, Washington, D.C.
- 48- Saad Sarsam "Modeling Asphalt Pavement Surface Texture Using Field Measurements" TRB Conference, Developing a Research Agenda for Transportation Infrastructure Preservation and Renewal Conference, TRB, Keck Center of the National Academies, November 12–13, 2009, Washington, D.C.
- 49- Saad Sarsam "Visual evaluation of Asphalt Concrete surface condition using an expert system VEACPSC", Indian Highways IRC Vol.38. No.9 -2010, India.
- 50- Saad Sarsam, Ismail S., Othman S. "Modeling the rate of solution and cavity formation of rocks- a laboratory study" Proceeding, 2nd International Conference on Geotechnical Engineering ICGE 2010, 25th-27th October, Hammamet, Tunis.
- 51- Saad Sarsam "Modeling Asphalt Concrete Pavement Deterioration" Proceeding, AL-Nahrain 2nd regional scientific conference, AL-Nahrain Engineering College, 1-2 December, 2010, Baghdad- Iraq.
- 52- Saad Sarsam "Assessing the strength of sub-base material from physical properties" Proceeding, AL-Nahrain 2nd regional scientific conference, AL-Nahrain Engineering College, 1-2 December, 2010, Baghdad- Iraq.
- 53- Saad Sarsam and Hiba Ateia "Development of a computer program for airport runway location, orientation, and length design" Proceeding, ASCE Conference – IST integrated transportation and development for a better tomorrow, ISTT&D Chicago, Illinois, March 13-16, 2011.
- 54- Saad Sarsam "Recycling is a step toward sustainable roadway construction" Proceedings, 1st symposium of sustainable engineering, University of Baghdad, April, 2011.
- 55- Saad Sarsam "Assessing rheological and physical characteristics of modified Asphalt cement" Proceeding, Scientific and Engineering Conference, Ministry of Construction and Housing, 20-5-2011, Baghdad.
- 56- Saad Sarsam, Abeer Al Rawi, Ahmad Abdul Rahim "Non-Destructive Evaluation of Roller Compacted Concrete Pavement" Proceeding, 4TH International Scientific conference of Salah Alden University, Erbil, 18-20 October 2011.
- 57- Saad Sarsam "Evaluating Asphalt Concrete Pavement surface texture characteristics" 4TH International Scientific conference of Salah Alden University, Erbil, 18-20 October 2011.
- 58- Saad Sarsam, Suad Farag "Modeling household trip generation for selected zones at AL-Karkh side of Baghdad city" Journal of Engineering, Vol. 17 No.6, December 2011.(P 1461-1472).
- 59- Saad Sarsam, Aamal AL-Saidi, Ban AL-Khayat "Implementation of Gypseous soil-asphalt stabilization technique for base course construction" Journal of Engineering, Vol. 17 No.5, December 2011. (P 1066- 1076).
- 60- Saad Sarsam, Abeer Al Rawi, Ahmad Abdul Rahim "Laboratory investigation on roller compaction technique in concrete construction" Journal of Engineering, Vol. 18 No 4, April 2012, (P423-432).
- 61- Saad Sarsam "Assessing the role of additives in flexural properties of roller compacted concrete" Proceeding, Comprehensive Engineering Conference for research theses, Al Mustansiria college of engineering, 7-8 May, 2012.
- 62- Saad Sarsam "Assessing rheological and physical characteristics of modified asphalt cement" Proceedings, 8TH International Conference on Material Sciences (CSM8-ISM5), UNESCO Palace, Beirut–Lebanon, May 28-30, 2012.
- 63- Saad Sarsam "The role of Cationic emulsion in the strength characteristics of Gypseous soils" Proceedings, 8TH International Conference on Material Sciences (CSM8-ISM5), UNESCO Palace, Beirut–Lebanon, May 28-30, 2012.
- 64- Saad Sarsam "Field evaluation of Asphalt Concrete Pavement surface texture and skid characteristics" Proceedings, 5TH Euroasphalt & Eurobitume Congress, 13-15 / June 2012, Istanbul.
- 65- Saad Sarsam "Assessing safety issues when using Mobile Phone while driving", Proceedings, 6th Jordanian Conference of traffic safety, 18-20 November, Amman- Jordan, 2012.
- 66- Saad Sarsam "Assessing Driver Characteristics at Baghdad CBD", Proceedings, 6th Jordanian Conference of traffic safety, 18-20 November, Amman- Jordan, 2012.
- 67- Saad Sarsam and Esra Al – Azzawi "Surface Free Energy for the Evaluation of Asphalt Binder Stripping" Journal of Engineering, Volume 18, Number 11 November 2012. (p1282- 1297).
- 68- Saad Sarsam; Abeer AL-Rawi; Sura D. Tawfeaq "Assessing Durability of Roller Compacted Concrete Sustainable Pavement" Proceedings, 9th International Conference, Concrete for Sustainable Construction, Kingdom of Bahrain, 11-13 February, 2013.
- 69- Saad Sarsam; Abeer Salih; Suha Ghazi "Effect of Hydrated Lime on the Properties of Roller Compacted Concrete" Journal of Engineering Number 3 Volume 19 march 2013,(P377-387).
- 70- Saad Sarsam; Abeer AL-Rawi; Suha Ghazi "Implementation of Pulse Velocity Measurement in the Assessment of Additives Impact on Roller Compacted Concrete Pavement" Proceedings, 9th International Conference, Concrete for Sustainable Construction, Kingdom of Bahrain, 11-13 February 2013.
- 71- Saad Sarsam; Aamal Alsaidi and Omar Mukhleif "Behavior of Reinforced Gypseous Soil Embankment Model under Cyclic Loading" Journal of Engineering, Volume 19 No.7, July 2013.
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