



Iraq - Mousel



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Professor

Dr. Alyaa Abbas AL-Attar

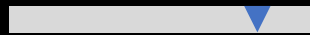
President of

Northern Technical University (NTU)

EXPERTISE

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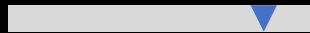
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Admin



STAAD PRO



Ansys Finite Element



EDUCATION

Salah al-Din University
Bachelor of Civil Engineering
1995

Tikrit University
Master in Structure
1998

Technology University
PhD in Structure
2007

REFERENCES

Prof. Dr. Shakir Ahmed

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PROFILE

Working success is one of my most important priorities, as I'm passionate about my job and creating the best and ideal art for management. I have a constant source of motivation to do my best, which is love of work. This passion led me to daily challenge myself and to learn new skills which helped me to do a better job. For example, I've taught myself how to use youth energy and current skills to challenge and solve challenges and produce results in scientific work management

CAREER

- Engineer at Tikrit University for the period 1995
- Master student 1996 - 1998
- Teaching at the Faculty of Engineering / Tikrit University for the period from 1998 to 2001
- Teaching at the Technical College of Kirkuk / Northern Technical University for the period from 2001 to now
- Head of the Survey Engineering Technologies Department for the period from 2013 to 2017
- Director of the structural laboratory at the Technical College of Kirkuk for the period from 2007 to 2017
- Director of the Consulting Office for Scientific and Consulting Services at the Northern Technical University for the period from 2017 to 2019
- Assistant to the University President for Scientific Affairs / North Technical University since 2018 until now

SCIENTIFIC NETWORKING SITES

Research Gate: https://www.researchgate.net/profile/Alyaa_AI-Attar

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=57212601688>

Google Scholar: <https://scholar.google.com/citations?user=f7IYD-sAAAAJ&hl=en>

ORCID: <https://orcid.org/0000-0003-1942-5458>

Thomson Reuters Research ID: [F-2466-2018](https://doi.org/10.1108/F-2466-2018)

Research Interests

- Reinforced Concrete Beams
- Fibbers
- Self- compacted concrete
- Composite Structures
- High Performance Concrete
- Concrete Durability
- Green Concrete Technology

Professional Specialization

- Structural Analysis, Design and detailing of Structures related to Buildings.
- Teaching Computer materials, R.C. Design and Advance Mathematics.
- Teaching Engineering Survey for graduate students in Surveying Eng. Dept.
- Teaching Advanced Surveying for graduate students in Technical Surveying Eng. Dept.
- Teaching Advanced Building Construction for post graduate students in Technical construction Department / Engineering Technical Mosul.
- Teaching Cadastral surveying for graduate students in Technical Surveying Eng. Dept.

Associations and unions

- A member of the American Concrete Institute (**ACI**)
- Member of the Iraqi Engineers Syndicate (**consultant**)
- Member of the Engineers Syndicate - Kurdistan Region
- Many humanitarian and civil society / non-governmental organizations

Professional skills

- Member of the Iraqi Engineers Association
- Member of Engineering Consulting Bureau in Tikrit University
- Member of Consulting Committee in Technical College of Kirkuk
- Director of Building Material Test Laboratory
- Member of Society of petroleum Engineering
- Member of the Iraqi Engineers Syndicate since 1995.
- Member and Chairman of several Main and Subcommittees in the Technical College - Kirkuk and the Northern Technical University
- Team leader and consultant on many projects implemented inside the college and in Kirkuk Governorate

Training Courses

- A Training course about laboratory tests in Italy' from 9/5/2009 to 4/6/2009, MATEST COMPANY.
- A training course laboratory & Research Pahang University Malaysia from 1/8/2009 to 1/9/2009.
- A training course about Climate Change in SMHI / in Sweden from 26/09/2011 to 21/09/2011.
- Climate Change international workshop in Beirut, Lebanon, 2012
- CIS INTENSIVE TRAINING PROGRAM: CIVIL & ENVIRONMENTAL ENGINEERING, Germany April 03 – April 24, 2016
- The training course about path of Bologna for the period from 1 October to 1 November 2019 in Italy

International and domestic seminars and conferences

- 3rd International Conference on Polycarboxylate Super plasticizers (PCE2019)
- International Multi-Disciplinary Conference Theme " Sustainable Development and Smart Planning"
- The 2nd International Conference on Buildings, Construction and Environmental Engineering- BCEE2 18-17October 2015 Beirut, Lebanon
- The 3rd International Conference on Buildings, Construction and Environmental Engineering- BCEE3
- 2nd International conference ICECCPCE 2019 IEEE
- ICEMAS International Scholars and Researchers Association ISRA/Antalya – TURKEY
- 2nd ICEMAS International Scholars and Researchers Association ISRA Erbil-Iraq 25-23 October 2017 EGYPAT
- 1st International Scientific Conference - Al Kitab University 2017
- 1st Scientific Conference For Postgraduate Students Research, products and creativity of students for the final stages 2016-2017 - University of Technology
- Seminar on Geographic Information Systems GIS 2014
- Workshop on the quality of teaching and learning in Kirkuk 2015
- Seminar on publishing in international journals with impact factor 2015
- A workshop entitled Science Promotion Regulations and How to Publish Research in Discrete Science Journals with an Influencing Factor 2016.
- Seminar on Scientific Work Plagiarism and How to Calculate Turnitin Plagiarism, 2016
- Seminar on the h-index coefficient 2016
- Seminar on the Water Insulation Standard, PO Box 2502, in the Engineering and Scientific Consulting Office / Technology University
- Workshops in Sulaymaniyah, Erbil and Dohuk under UNESCO supervision for the development of technical and vocational education curricula and courses

Scientific promotions

- Assistant Lecturer (1998) - Civil Engineering Department / Tikrit University
- Lecturer (2007) - Survey Engineering Techniques Department / Kirkuk Technical College
- Assistant Professor (2014-present) Department of Survey Engineering Techniques / Kirkuk Technical College
- Professor (2020) at the Northern Technical University

Graduate Student Supervision

- PhD (2)
- Master (13)
- Higher Diploma (2)
- Many Preliminary Student Graduate Project

Committees

	The Commission	Position	Location
1	Preparing to implement the courses system	Chairman	Northern Technical University
2	Implementation of the government program	Team Chairman	Northern Technical University
3	Scientific Council of the Center for Continuing Education	Chairman	Northern Technical University
4	Central science promotions	Member	Northern Technical University
5	Objections to central scientific promotions	Member	Northern Technical University
6	Teaching permit tests	Member	Northern Technical University
7	Supervising, organizing and giving lectures	Chairman	Northern Technical University

Languages

1	Arabic
2	English
3	Kurdish
4	Turkish

Academic Degrees

	THE DEGREE	SPECIALIZATION	UNIVERSITY	COUNTRY	YEAR
1	Bachelor	Civil Engineering	Salahaddin	Iraq	1993
2	Master	Structure	Tikrit	Iraq	1998
3	Ph.D.	Structure	Technology	Iraq	2007

Gratitude and appreciation

96 letters of thanks and appreciation from:

- Honourable Minister of Higher Education and Scientific Research
- Honourable Undersecretary of the Minister
- Honourable universities presidents
- Honourable Deans

Essential Qualification

- Consultant for the assessment of concrete structures in the engineering consultancy office of Foundation of Technical Education (Northern Technical University now) and Tikrit University.
- Consultant for structural and non-destructive tests in the engineering consultancy office of Foundation of Technical Education (Northern Technical University now) and Tikrit University.
- Chairman and member of many consulting teams to supervise the implementation of infrastructure projects in Kirkuk Governorate.
- Chairman and member of many advisory teams for the evaluation of concrete structures in various governorates of Iraq

Supervised Masters and PhD theses

No	Research Title	Researcher Ph.D.& M.sc	The supervisors
1	<i>Mechanical properties and dynamic response of reinforcement concrete beams</i>	Ahmed Adnan Ghane	Dr. Alyaa Abbas Ali
2	<i>Flexural and Shear Behavior of Concrete Beams Reinforced partially by Steel Ropes</i>	Nabaz yassien	Dr. Alyaa Abbas Ali
3	<i>Study of the behavior of fiber reinforced concrete (I) beams under flexural loads</i>	Adnan Ibrahim Abdullah	Dr. Mayser Mohammed Juma Dr. Alyaa Abbas Ali
4	<i>Experimental and theoretical study of self – compacted fiber reinforced concrete (T) beams</i>	Arjan Aakhraldin Abdullah	Dr. Mazen Burhan El-Din Abdel-Rahman Dr. Alyaa Abbas Ali
5	<i>utilization of geographic information system to manage gypsum soils</i>	Maha Adnan Mutab	Ahmed Abdul Hamid Al Obeidi Dr. Alyaa Abbas Ali
6	<i>Shear strength of powder reinforced concrete beam for different curing condition</i>	Marwan Hazem Ahmed	Dr. Mazen Burhan El-Din Abdel-Rahman Dr. Alyaa Abbas Ali
7	<i>Theoretical and Experimental study of reinforced concrete slabs response to elevated temperature .</i>	Amnah Yunus Mohammed	Dr. Mazen Burhan El-Din Abdel-Rahman Dr. Alyaa Abbas Ali
8	<i>Investigation of thermal test s of light weight cement mortar (exposed for high rising temperature)</i>	Raed Moqled Rade	Dr. Mayser Mohammed Juma Dr. Alyaa Abbas Ali
9	<i>The validity of the rocks of the formation of the lime hole in the city of Kirkuk for engineering purposes / northern Iraq</i>	Ahmed Layth Dahi	Dr. Mayser Mohammed Juma Dr. Alyaa Abbas Ali
10	<i>Fire Performance of Different Types of Lightweight Concrete Reinforced with Fiber</i>	Saad Abdullah	Dr.Alyaa A. Al-Attar
11	<i>An Experimental Study of Different curing regimes on the mechanical properties and sorptivity of cement mortar containing ceramic powder</i>	Zena Emad Qasim	Dr.Alyaa A. Al-Attar
12	<i>Utilized Biotechnology techniques to Repair Cracks in environmental Friendly Concrete</i>	Ali hassiab abdulkader	Dr.Alyaa A. Al-Attar
13	<i>Behavior of Sustainable Concrete produced from echo-Friendly Materials Reinforced with Natural Fibers</i>	Omar Saber Kalaf	Dr.Alyaa A. Al-Attar
14	<i>Behavior of Reactive Powder Reinforced Concrete Beams Exposed To Fire</i>	Izzaldin Sulayman Najim	Dr.Alyaa A. Al-Attar
15	<i>Characterization of cement mixtures using sustainable materials for (ppvc) design by 3D printing</i>	Mohammed Cheyad . UKM	Dr.Alyaa A. Al-Attar

Articles published

1. Hamada, H. M., Tayeh, B. A., Al-Attar, A., Yahaya, F. M., Muthusamy, K., & Humada, A. M. (2020). The present state of the use of eggshell powder in concrete: A review. *Journal of Building Engineering*, 101583.
2. Al-Attar, A. A., Abdulrahman, M. B., Hamada, H. M., & Tayeh, B. A. (2019). Investigating the behaviour of hybrid fibre-reinforced reactive powder concrete beams after exposure to elevated temperatures. *J. Mater. Res. Technol.*
3. Abdulrahman, M. B., Al-Attar, A. A., & Jomaa'h, M. M. (2020). Strength of Reactive Powder-Ferrocement Slabs under Static Load.
4. Hashim, D. T., Al-Attar, A. A., & Kzar, N. A. (2020). *Investigation of Plastic Hinge Length for Reinforced Concrete Wall* (No. 2696). EasyChair.
5. Hamada, H., Tayeh, B., Yahaya, F., Muthusamy, K., & Al-Attar, A. (2020). Effects of nano-palm oil fuel ash and nano-eggshell powder on concrete. *Construction and Building Materials*, 261, 119790.
6. Abdul-Rahman, M., Al-Attar, A. A., Hamada, H. M., & Tayeh, B. (2020). Microstructure and structural analysis of polypropylene fibre reinforced reactive powder concrete beams exposed to elevated temperature. *Journal of Building Engineering*, 29, 101167.
7. Almufarji, M. J., Hejazi, F., & Al-Attar, A. A. (2019, November). Compressive strength of class F fly ash blended geopolymer-hybrid mortar. In *IOP Conference Series: Earth and Environmental Science* (Vol. 357, No. 1, p. 012019). IOP Publishing.
8. Aden, M. A., Al-Attar, A. A., Hejazi, F., Dalili, M., & Ostovar, N. (2019, November). Effects of soil-structure interaction on base-isolated structures. In *IOP Conference Series: Earth and Environmental Science* (Vol. 357, No. 1, p. 012031). IOP Publishing.
9. Paknahad, M., Hejazi, F., Al-Attar, A. A., Shahbazian, A., & Ostovar, N. (2019, November). Different configurations of cores and shear walls in tall buildings. In *IOP Conference Series: Earth and Environmental Science* (Vol. 357, No. 1, p. 012005). IOP Publishing.
10. Hamada, H. M., Jokhio, G. A., Al-Attar, A. A., Yahaya, F. M., Muthusamy, K., Humada, A. M., & Gul, Y. (2020). The use of palm oil clinker as a sustainable construction material: A review. *Cement and Concrete Composites*, 106, 103447.
11. SaleemKhazaal, A., Ali, A. A., & Lateef, A. M. (2016). Mechanical Properties of Self-Compacted Concrete. *Tikrit Journal of Engineering Sciences*, 23(1), 40-52.
12. Abdul-Rahman, M. B., Al-attar, A. A., & Younus, A. M. (2018). Elevated temperature effects on the behavior of one-way fibrous reinforced concrete slabs. *Int J Eng Technol*, 7(437), 179-184.
13. Abdullah, Arjan Fakhraldin, Mazin Burhan Adeen, and Alya'A. Abbas Al-Attar. (2014) "*Studying Flexural Behavior of Reinforced Fibrous Self-Compacted Concrete T-Beams Strengthened with CFRP SHEETS.*" *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*. ISSN: 2278-3075, Volume-3, Issue-8, January,
14. Al-Attar, A. A., M. B. Adeen, A. S. Khazaal, and A. S. Tause. "*Rehabilitation and Strengthening of Reinforced Self-Compacting Concrete Exposed to Elevated Temperature.*" In *The 2nd International Conference of Buildings, Construction and Environmental Engineering (BCEE2-2015)*, p. 85.
15. Al-Attar, A. A. (2006). *Microstructure and Mechanical Properties of Lightweight Aggregate Concrete Containing Fibers* (Doctoral dissertation, Ph. D. Thesis, Building and Construction Engineering Department, University of Technology).
16. Alyaa A. Ali, Nabaz Y. "[*Flexural Behavior of RC Beams Reinforced Partially By Steel Wire Ropes.*](#)"
17. MAAB Dr.Ahmad A.Al-Obaidi , Dr.Alyaa Abbas Al-Attar. "[*Utilization of Geographic Information System to Manage Gypseous Soils*](#)"
18. MA Mazin Abdulrahman, Alyaa.. Al-Attar. "[*Effect of Different Curing Conditions on the Mechanical Properties of Reactive Powder Concrete*](#)"
19. MBA Alyaa.A.Ali, Firas.Kh.Jaber "[*Reducing the Effect of Climate Change on the Durability of Concrete*](#)"
20. AAAA Shakir Al-Mishddadani, Issra.Y.Al-Hally. "[*Some Properties of Light Weight Concrete Containing Carbon Fiber*](#)".*Iraqi Journal of Civil Engineering* 6 (1), 47-58
21. AAG Aziz Ibrahim Abdulla, A Ali Alya'a. "[*Mechanical Properties and Dynamic Response of Light Weight Reinforced Concrete Beams*](#)". *Eng. & Tech. Journal* 30 (2), 293-310
22. DAAAA Adnan Ibrahim Abdullah , Dr.Muyasser M.Jomanh. "[*Flexural Behaviour of Fiber Reinforced Concrete I-Beams Strengthened with CFRP*](#)". *IJCIET* 5 (1), 47-60.

23. DFKJ Dr. Alya'a Abbas AL-Attar, Dr. AmmarSaleem Khazaal. "EFFECT MANAGEMENT OF ELEVATED TEMPERATURE ON MECHANICAL AND MICROSTRUCTURAL PROPERTIES OF REINFORCED CARBON FIBER LIGHTS". IJCIET 5 (11), 165-180
24. AA Al-Attar. "[Structural Behavior of Reinforced Concrete Beams Enhanced with hybrid Steel-Polypropylen Fiber under Impact load](#)". Kirkuk University Journal /Scientific Studies (KUJSS) 10 (1), p.p(103 - 126)
25. AML Ammar Saleem Khazaal , Alyaa Abbas Ali. "[Mechanical Properties of Self Compacting Concrete](#)". Tikrit Journal of Engineering Science 23, 40-52
26. Abdullah, Arjan Fakhraldin, Mazin Burhan Adeen, and Alya'A. Abbas Al-Attar. "Studying Flexural Behavior of Reinforced Fibrous Self-Compacted Concrete T-Beams Strengthened with CFRP SHEETS." International Journal of Innovative Technology and Exploring Engineering (IJITEE). ISSN: 2278-3075, Volume-3, Issue-8, January, 2014
27. Abdullah, Arjan Fakhraldin, and Mazin Burhan Adeen. "Alya'a Abbas Al-Attar (2014). "Studying Flexural Behavior of Reinforced Fibrous Self-Compacted Concrete T-Beams Strengthened with CFRP SHEETS" International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075."
28. Mazin Burhan Adeen , and Alya'A. Abbas Al-Attar (2018) ." Elevated Temperature Effect on the Behaviour of one –Way Fiber brous Reinforced Concrete Slabs." International Journal of Engineering &Technology , 7(4.37) (2018)179-184
29. Adeen, Mazin Burhan, and Alya'A. Abbas Al-Attar (2010). "Determination of mechanical properties of hybrid steel-nylon fiber reinforced concrete." Modern Applied Science 4, no. 12: 97.
30. Ali, A. H., Al-Attar, A. A., & Kasm, Z. E. EFFECT OF SOLID CERAMIC WASTE POWDER IN PARTIAL REPLACEMENT OF CEMENT ON MECHANICAL PROPERTIES AND SORPTIVITY OF CEMENT MORTAR.
31. رجان فخرالدين عبدالله , مازن برهان الدين , علياء عباس علي "دراسة عملية لتصرف العتبات الخرسانية ذاتية الرص ذات المقطع والمعززة بألياف الحديد والنايلون".
32. عدنان إبراهيم عبدالله , د.ميسر محمد جمعة , د.علياء عباس علي سلوك العتبات الخرسانية المسلحة ذات المقطع والمعززة بألياف الحديد والنايلون.

Thesis of Master and Ph.D.

Master's Thesis		
Members of the discussion committee	Supervisor	Title
Professor Dr. Zain El-Abdin Raouf Engineering College – Baghdad University	Professor Dr. Hussien Mohammed Hussien Engineering College Tikrit University	<i>Analysis of two –way ribbed reinforced concrete slabs by the grillage and orthotropic plates methods</i>
Assistant Prof. Dr. Alaa Nasir Hraib Engineering College – Tikrit University		
Lecturer Dr. Muaed Mohammed Qasim Engineering College – Kirkuk University		
Ph.D. thesis		
Members of the discussion committee	Supervisor	Title
Professor Dr. Hanaa Abed Yousef Civil Engineering Department Technology University	Professor Dr. Shakir Ahmed Al- Mashadany Civil Engineering Department Technology University	<i>Microstructure and Mechanical properties of lightweight aggregate concrete containing fibers</i>
Professor Dr. Ihsan Al- Shaarba Engineering College – Baghdad University		
Professor Dr. Bayan Al- Nuaman Engineering College – Al- Mustansiriyah University		
Professor Dr. Zain El-Abdin Raouf Engineering College – Baghdad University		



Professor

Dr. Alyaa Abbas Ali Al- Attar

President of Northern Technical University (NTU)