د. محمد شهاب محمود

اولاً: معلومات عامة:

- اللقب العلمي : استاذ مساعد في ٢٠١٨/١٢/٦
- البريد الالكتروني : mohammed.mahmood@uodiyala.edu.iq
- عنوان العمل : كلية الهندسة – جامعة ديالى – بعقوبة – محافظة ديالى – العراق.

ثانياً: الشهادات العلمية:

- شهادة الدكتوراة في الهندسة المدنية – ٢٠١٥ – جامعة نوتنغهام – المملكة المتحدة.
- شهادة الماجساتير في الهندسة الانشائية– ٢٠٠٧ – الجامعة التكنولوجية – العراق.
- شهادة البكالوريوس في الهندسة المدنية– ٢٠٠٠ – الكلية الهندسية العسكرية – العراق.

ثالثاً: الخبرة الاكاديمية:

تدريس المواد الاتية في كلية الهندسة في جامعة ديالى

- Engineering Mechanics
- Strength of Materials
- Design of Reinforced Concrete Structures
- Design of Steel structures
- Advanced Numerical Analysis
- Academic Writing Skills
- Advanced Structural Mechanics

رابعاً: الاهتمامات البحثية:

اهتمامات الدكتور محمد البحثية تتركز في أداء وصلات الفولاذ وتعزيز وإعادة تأهيل هياكل الخرسانة المسلحة والامثلية الهندسية. ويشمل عمله التحقيق في أداء وصلات البراغي الاعتيادية والعمياء للأجزاء الانشائية. وفي مجال تعزيز وإعادة التأهيل، يشمل عمله استخدام البوليمرات المقواة بالألياف لتعزيز اداء الاجزاء الانشائية المختلفة.

خامساً: اللغات المتقنة:

- العربية – اللغة الام.
- الانكليزية – بشكل جيد جدا.

سادساً: التاريخ الوظيفي و المناصب الادارية:

- مدير العقود الحكومية في جامعة ديالى ٢٠٠٩-٢٠١٠
- مقرر الدراسة الأولية في قسم الهندسة المدنية بجامعة ديالى ٢٠١٠ - ٢٠١١.
- مقرر الدراسات العليا في قسم الهندسة المدنية بجامعة ديالى ٢٠١٦ - ٢٠١٩.

سابعاً: مقييم في العديد من المجلات العلمية مثل:

1. Journal of Computing in Civil Engineering.
2. International Journal of Engineering Research and Technology.
3. Diyala Journal of Engineering Sciences.
4. Journal of Engineering Science & Technology
5. Structures
6. Structural Engineering and Mechanics
7. Steel and Composite Structures

ثامنا: البحوث المنشورة في المجلات:

1. Sulayman, Q. and M. Mahmood, Post-Fire Performance of Carbon Steel. Diyala Journal of Engineering Sciences, 2021. 14: p. 28-41.
2. Mahmood, M. and W. Tizani, A component model for column face in bending of extended HolloBolt connections. Journal of Constructional Steel Research, 2021. 182: p. 106655.
3. Jawad, F.K.J., et al., Sizing and layout optimization of truss structures with artificial bee colony algorithm. Structures, 2021. 30: p. 546-559.
4. Jawad, F.K.J., et al., Heuristic dragonfly algorithm for optimal design of truss structures with discrete variables. Structures, 2021. 29: p. 843-862.
5. Tizani, W., M. Mahmood, and D. Bournas, Effect of Concrete Infill and Slenderness on Column-Face Component in Anchored Blind-Bolt Connections. Journal of Structural Engineering, 2020. 146(4): p. 04020041.

6. Naji, H.I., M.S. Mahmood, and Z.A. Jalil. Recycled Aggregate Concrete in Post Disaster Economic Construction. in Proceedings of AICCE'19. 2020. Cham: Springer International Publishing.

7. Mahmood, M., A. Elamin, and W. Tizani, Ultimate strength and fracture sequence of bolted connections to thin-walled carbon steel. Structures, 2020. 23: p. 646-659.

8. Jalil, Z.A., H.I. Naji, and M.S. Mahmood, Investment of Steel Reinforcement Extracted from Destroyed Buildings in Iraq. Applied Mechanics and Materials, 2020. 897: p. 166-172.

9. Jalil, Z.A., H.I. Naji, and M.S. Mahmood, Developing Sustainable Alternatives from Destroyed Buildings Waste for Reconstruction Projects. Civil Engineering Journal, 2020. 6(1): p. 60-68.

10. Cabrera, M., et al., Analysis of Extended Hollo-Bolt connections: Combined failure in tension. Journal of Constructional Steel Research, 2020. 165: p. 105766.

11. Naji, H.I., M. Mahmood, and H.E. Mohammad, The Impact of Financial Problems Related to Investment Projects in Iraq, in IOP Conference Series: Materials Science and Engineering. 2019, IOP Publishing. p. 022084.

12. Mahmood, M., W.D. Salman, and H.M. Mubarak. **2019**. Improving the Flexural Capacity of Reinforced Concrete One-Way Slabs by Different Techniques. Journal of Engineering and Applied Sceinces. 14(18): p. 6769–6779.

13. Naji, H.I., M. Mahmood, and H.E. Mohammad. **2019**. Using BIM to propose building alternatives towards lower consumption of electric power in Iraq. Asian Journal of Civil Engineering20(5): p. 669–679.

14. SALMAN, W. D., MANSOR, A. A. & MAHMOOD, M. 2018. Behavior of Reinforced Concrete One-Way Slabs Strengthened by CFRP Sheets in Flexural Zone. International Journal of Civil Engineering and Technology (IJCIET), 9, 1872–1881.

15. SALMAN, W. D., MUBARAK, H. M. & MAHMOOD, M. 2018. Structural Behavior and Mechanical Properties of Ferrocement Slab Panels Incorporating Fibers. International Journal of Civil Engineering and Technology (IJCIET), 9, 2289–2298.

16. FADHIL, H., IBRAHIM, A. & MAHMOOD, M. **2018**. Effect of Corrugation Angle and Direction on the Performance of Corrugated Steel Plate Shear Walls. Civil Engineering Journal, 4, 2667-2679.

17. ELAMIN, A., TIZANI, W. & MAHMOOD, M. **2015**. Bolts Gauge Effect on the Face Bending Behaviour of Concrete-Filled Hollow Section for Hollo-Bolted Connections. *Applied Mechanics and Materials,* 773-774**,** 105-109.

18. MAHMOOD, M., TIZANI, W. & SANSOUR, C. **2014**. Effect of Tube Thickness on the Face Bending for Blind-Bolted Connection to Concrete Filled Tubular Structures. *International Journal of Civil, Architectural, Structural and Construction Engineering,* 8**,** 904-910.

19. IBRAHIM, A. & MAHMOOD, M. **2011**. Investigations to the Parameters that Affect Shear Strength of RC Beams Strengthened With CFRP Laminations. *Modern Methods and Advances in Structural Engineering and Construction.*

20. SAYHOOD, E. K. & MAHMOOD, M. S. **2011**. Non-Linear Behavior of Composite Slim Floor Beams with Partial Interaction. *European Journal of Scientific Research,* 56**,** 311-325.

21. MAHMOOD, M. S. **2010**. Finite Element Analysis of Shear Deficient Large Size Reinforced Concrete Beams. *Diyala Journal of Engineering Sciences*, 03**,** 1-15.

22. IBRAHIM, A. M. & MAHMOOD, M. S. **2009**. Finite Element Modeling of Reinforced Concrete Beams Strengthened with FRP Laminates. *European Journal of Scientific Research,* 30**,** 526-541.

تاسعا: البحوث المنشورة في المؤتمرات:

1. Hadi, A.S., A.M. Abd, and M. Mahmood, Integrity of Revit with structural analysis softwares. IOP Conference Series: Materials Science and Engineering, 2021. 1076(1): p. 012119.

2. Naji, H.I., M. Mahmood, and H.E. Mohammad, The Impact of Financial Problems Related to Investment Projects in Iraq, in IOP Conference Series: Materials Science and Engineering. 2019, IOP Publishing. p. 022084.

3. Mahmood, M., Tizani, W. & Sansour, C. Effect of Bolt Gauge Distance on the Behaviour of Anchored Blind Bolted Connection to Concrete Filled Tubular Structures. *In:* BATISTA, V. L., ed. 15th International Symposium on Tubular Structures, **2015** Brazil. Taylor & Francis Group, London, 87-93.

4. Mahmood, M., Tizani, W. & Elamin, A. Experimental Investigation of Anchorage Length on Face Bending Behaviour of Blind Bolted Connections. *In:* XIE, L., ed. 2014 International Conference on Civil Engineering, Energy and Environment (CEEE 2014), **2014** Hong Kong. Society for Resources, Environment and Engineering, 6 - 10.

5. Mahmood, M., Tizani, W.. Bending Behaviour of Column Face for Concrete Filled Hollow Sections. 16th Young Research Conference, **2014** Londom. The Institution of Structural 57-58.

عاشرا: الكتب المؤلفة:

1. Ibrahim, A., Mahmood, M. & Ahmed, Q. **2009**. *Design of Reinforced Concrete Structures*, Althakera.

2. Ibrahim, A., Mahmood, M., Mansor, A. & Abdul Mahdi, I. **2012**. *Structural Steel Design Accordng to LRFD*, University of Diyala.

احد عشر : المزيد من المعلومات عن النشاط العلمي يمكن ايجادها على رو ابط الاتية :

Scopus	https://www.scopus.com/authid/detail.uri?authorId=7103097872
Research Gate	https://www.researchgate.net/profile/Mohammed_Mahmood2
Acadimeca.edu	https://uodiyala.academia.edu/MohammedMahmood
Google Scholar	https://scholar.google.com/citations?hl=en&user=TuPe_vcAAAAJ
Linkedin	https://www.linkedin.com/in/mohammed-mahmood-4b7485126/
Publons	https://publons.com/author/1218385/mohammed-shihab-mahmood#profile
ORCID	https://orcid.org/0000-0002-7553-6374