



**Name** Mahmood A. Hussein HUSSEIN  
**Position** Senior Lecturer  
**Section** University of Mosul – Collage of Agri. and Forestry  
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**Qualifications** B.Sc., M.Sc. University of Mosul, Iraq; Ph.D. USQ, Australia.

### **Education**

**Bachelor: Agricultural sciences** from the University of Mosul, Iraq, 2006,

#### *Achievements*

- Graduated with high distinction,
- Appointed directly as a lecturer at the University of Mosul for being one of the three top students.

**Master: Agricultural sciences** from the University of Mosul, Iraq, 2010,

**Ph.D.: Agricultural engineering** from the University of Southern Queensland, 2018,

- Thesis Title; Agronomic and economic performance of arable crops as affected by controlled and non-controlled traffic of farm machinery.

#### *Achievements*

- Full paid scholarship from a research training scheme,
- Six journal papers including conferences.

### **Research affiliation**

- National Centre for Engineering in Agriculture (NCEA) – Australia,
- International Center for Agricultural Research in the Dry Areas (ICARDA) – Iraq,
- Collage of agriculture and forestry – university of Mosul – Iraq.

### **Work Experience**

**Lecturer** at the University of Mosul from 2008 to 2013 and from 2018 to 2020:

- Coordinating courses, prepare and deliver lectures, tutorials, and practicals for both internal and external delivery; and undertake assessment and marking for undergraduate and postgraduate courses,
- the development of new course material by applying for the current research as well as Participating in educational practice and innovative curriculum design including online learning and alternative teaching methods,
- Maintain and continually improve the quality of courses as measured through evaluation instruments to meet industry and educational standards,

- Participate in program and course development activities in the School and Faculty, including consulting with program advisors and stakeholders to ensure courses are engaging, relevant and contemporary,
- Teaching and supervising research Honours and postgraduate students,
- Providing appropriate mentoring and academic support for students,
- Providing support to other academic positions as needed and during absences.

### **Research assistant at the University of Southern Queensland**

- Develop a program of fundamental, applied and contract research in the area of Agronomic and economic performance of arable crops,
- Publishing scholarly, peer-reviewed papers in high-quality international journals and present research findings at scientific conferences, industry meetings and other relevant forums,
- Enhancing the research profile of the School through collaborative research, especially interdisciplinary projects, with colleagues and postgraduates' students, other organizations and involvement in relevant professional activities,
- Providing appropriate mentoring, supervision and academic support for students.

### **Fields of research**

- Agricultural Land Management
- Farming Systems Research
- Agricultural mechanization
- Agricultural Engineering
- Agricultural Economy
- Agronomy

### **Computer Skills and languages**

- SPSS software
- Modelling software
- Excellence in driving Microsoft office Package of programs
- Fluency in Arabic and English skills (speaking, writing and reading).

### **Fields on interest**

- Conservation Agriculture,
- Controlled Traffic Farming,
- Soil Tillage and Compaction,
- Soil-Tyre Interactions,
- Soil and Water Conservation,
- Land Rehabilitation,
- Irrigated Agriculture,
- Fertilizer Use Efficiency and water use efficiency.

## **Publications & Conference Presentations**

- Hussein, M. A. H., Antille, D. L., Chen, G., Luhaib, A. A. A., Kodur, S., Tullberg, J. N. (2018). Agronomic performance of sorghum (*Sorghum bicolor* L. Moench) and fertilizer use efficiency as affected by controlled and non-controlled traffic of farm machinery. ASABE Paper No.: 1800250. St. Joseph, Mich.: ASABE. DOI: 10.13031/aim.201800250.
- Antille, D. L., Nguyen-Ky, T., Aikins, K. A., Hussein, M. A. H., Singh, S., Luhaib, A. A. A., Singh, A. (2018). Evaluation of NEXENT<sup>TM</sup> stabilized nitrogen applied to overhead irrigated cotton (*Gossypium hirsutum* L.). ASABE Paper No.: 1800252. St. Joseph, MI.: ASABE. DOI: 10.13031/aim.201800252.
- Hussein, M. A. H., Antille, D. L., Chen, G., Luhaib, A. A. A., Kodur, S., Tullberg, J. N. 2017. Agronomic performance of wheat (*Triticum aestivum* L.) and fertiliser use efficiency as affected by controlled and non-controlled traffic of farm machinery. ASABE Paper No.: 1700586. St. Joseph, Mich.: ASABE. DOI: 10.13031/aim.201700586.
- Luhaib, A. A. A., Antille, D. L., Tullberg, J. N., Hussein, M. A. H., Chen, G. 2017. Effect of controlled traffic farming on energy savings in Australian grain cropping systems. ASABE Paper No.: 1700583. St. Joseph, Mich.: ASABE. DOI: 10.13031/aim.201700583.
- Hussein, M. A. H., Antille, DL, Chen, G, Luhaib, AA, Kodur, S, Tullberg, JN 2017. Agronomic response of sorghum (*Sorghum bicolor* L.) to different nitrogen fertiliser rates under controlled and non-controlled traffic farming systems in Red Ferrosol. The First MoHESR and HCED Iraqi Scholars Conference in Australasia 2017, pp 353-359. [http://www.iraqischolars-isca2017.org/files/proceedings\\_ISCA2017.pdf](http://www.iraqischolars-isca2017.org/files/proceedings_ISCA2017.pdf)
- Luhaib, A. A, Chen, G, Tullberg, J. N, Hussein, M. A. H. 2017. Controlled traffic farming reduces energy requirements in Australian cropping systems. The First MoHESR and HCED Iraqi Scholars Conference in Australasia 2017, pp 360-367. [http://www.iraqischolars-isca2017.org/files/proceedings\\_ISCA2017.pdf](http://www.iraqischolars-isca2017.org/files/proceedings_ISCA2017.pdf)