
C.V

GENERAL

Surname: Aisawi

First Names : Khaled A. Boulgasem

Place and date of birth: Rujban, Libya, 28 May 1971

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STUDIES

1 – Basic University Degree: BSc in agricultural sciences, 1989/90 – 1992/93.

The university: The university of the western mountain, Zintan, Libya.

2 – First Postgraduate Degree: MSc in crop sciences, 1996/97 – 1999/00.

Title of thesis: Effect of gamma radiation on some morphological and yield traits in some cultivars of barley (*Hordeum vulgare* L.) under drought conditions.

The University: The University of Tripoli, Tripoli, Libya.

3 – Second Postgraduate Degree: PhD in crop physiological breeding, from January, 2008 to December, 2011.

Title of study: Physiological processes associated with genetic progress in yield potential of wheat (*Triticum aestivum* L.).

The University: The university of Nottingham, Nottingham, UK.

Teaching Experience

1 – Research assistant: from 1993/94 to 1999/00, teaching practical training of principles of field crop production and Principles of genetic sciences in the department of crop sciences, College of Agriculture, University of Tripoli, Libya.

2 – Assistant lecturer: from 2000/01 to 2005/06 in the department of crop sciences, College of Agriculture, University of Tripoli, Libya. Teaching courses of: Principles of field crop production, Principles of genetic sciences, Plant genetics, Principles of plant breeding, Breeding of field crops and Field plot technique.

3 – Lecturer: 2006/07, same courses and same place as number 2.

4 – From 2008 to 2012: In a PhD program, doing research in field and lab studies at the CIMMYT experimental station near Cd. Obregon, NW Mexico and University of Nottingham.

5 - From 2012 to 2019: Teaching courses of Principles of plant breeding, Breeding of field crops, Field plot technique, Also, supervising undergraduate students in their study projects and leading projects in bread wheat, durum wheat, barley and corn.

6 – Assistant professor: from 2020 to 2023. Teaching courses of advanced plant breeding, advanced plant genetics, plant biotechnology,

Principles of plant breeding, Breeding of field crops and Field plot technique. Also, supervising graduate and undergraduate students in their study projects, and leading projects in bread wheat, durum wheat, barley and corn.

7 – Associate Professor: from 2024 till now. same courses and same place as number 6.

Job positions

1 - From 2015 till 2021. Head of the Department of Research, Consulting and Training. College of Agriculture. University of Tripoli

2- From 2017 till 2022. Head of the committee on cereals, pulses and legumes in the Libyan National Center for Standardization and Metrology.

3 - From 2018 till 2021. Head of the graduate studies committee in the crop sciences department, University of Tripoli, Libya.

4 – From July 2020 till June 2021. National consultant in the emergency FAO project OSRO/LIB/001/CAN.

5 – From 25 October till 15 December 2021. National consultant in the FAO policy dialogue of the new development model (s) for desert and oasian zones in Libya.

6 – From 25 November till 31 December 2022 and from 15 March till 15 April 2023. National consultant in the field of the impact of climate change (drought and saltwater intrusion) on agricultural crops in northwestern Libya. The proposed IFAD project of “Increasing Resilience to Climate-Aggravated Water Scarcity in the Agriculture Sector in Libya”.

7 – From 1 October 2022 till now. Head of the Department of Crop Sciences. College of Agriculture. University of Tripoli.

8 – From February 2023 till February 2024. Member of the Supreme Technical Committee specialized in food products in the Libyan National Center for Standardization and Metrology.

9 – From March 2024 till now. Member of the Editorial Board of the Libyan Journal of Agricultural Sciences.

PERSONAL SKILLS

1. Excellent working knowledge of Arabic and English.
2. Fully proficiency to use all Microsoft Office programs and in particular MS Word - MS Excel - Internet Explorer - Power Point.
3. Fully proficiency for statistical analysis programs, most important MSTAT, Genstat, SAS and SPSS.
4. Experience in delivering training and sharing knowledge to rural population and targeted authorities including Farmer Field Schools.

CONFERENCES

1 – The 8th International Wheat conference (8IWC) from June 1-4, 2010, in St. Petersburg, Russia.

2 - Wheat Breeding 2014: Tools, targets and progress. 29-30 January 2014, in Rothamsted Research, Harpenden, Herts, UK

3 – The 3rd Food security conference from 14 – 16 October 2019, in Tripoli University. Libya.

4 – The 4th Food security conference from 14 – 15 October 2023, in Tripoli University. Libya.

WORKSHOPS

1 - Ideotypes – is the understanding of physiology relevant to the future of plant breeding? 7th of Dec 2010 at the University of Reading, UK.

2 - Using nuclear and biological techniques to breed and improve the productivity of strategic crops under climate changes. 17-21 December 2023 under the supervision of the Arab Atomic Energy Agency. Amman, Jordan.

SCIENTIFIC AND PROFESSIONAL MEMBERSHIPS

Member, American Society of Agronomy

Member, Crop Science Society of America

Member, Soil Science Society of America

Member, The Association of Applied Biologists

PUBLICATIONS

1 - **Aisawi** et al. 2015. The Physiological Basis of the Genetic Progress in Yield Potential of CIMMYT Spring Wheat Cultivars from 1966 to 2009. *Crop Sci.* 55:1749-1764.

2 - M. Alhagi, A. Abushaala, K. **Aisawi** and M. Aboushgor. 2015. Genetic diversity of some local Libyan barley (*Hordeum vulgare L.*) genotypes using Random Amplified Polymorphic DNA (RAPD) markers. *Journal of Basic and Applied Sciences.* 21: (1).

3 - M. Alhagi and K. **Aisawi**. (2015). Effect of gamma radiation on germination speed and percentage of some tobacco (*Nicotiana tabacum L.*) varieties. *Journal of Basic and Applied Sciences.* 21: (1).

4 - **Aisawi** et al. 2017. Effect of source-sink manipulation and grain position within the spike on the grain weight of durum wheat (*Triticum durum*) under rain fed conditions. *THE LIBYAN JOURNAL OF AGRICULTURE.* Volume (22): No. (1): 2017: 12-18.

5 - **Aisawi** et al. 2018. The effect of selection criteria on yield and its components for some Libyan six-rowed barley varieties (*Hordeum vulgare L.*). *Jordan Journal of Agricultural Sciences.* Vol (14): No. (2).

6 - **Aisawi** et al. 2018. Effect of sowing date on the plant-to-plant morphological traits uniformity of the single-cross hybrid PARDI of corn (*Zea mays L.*). *THE LIBYAN JOURNAL OF AGRICULTURE.* Volume (23): No. (1-2): 2018: 42-53.

7 - **Aisawi** et al. 2018. The physiological basis of the effect of the tiller inhibition (*Tin1A*) gene and the interaction with plant density in some DH lines of wheat. Submitted to *Journal of Agricultural Science* and under review.

8 - **Aisawi** et al. 2020. The physiological basis of the genetic progress in yield potential of the Libyan bread wheat varieties *Triticum aestivum L.* *THE LIBYAN JOURNAL OF AGRICULTURE.* Volume (25): No. (3): 2018: 53-66.

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- 9** - Aboushagor, Mohamed Rida , Hasan Mohamed Alharari, Saleh Mohamed Elmezoghi and **Khaled Al-Akhdhar Aisawi**. 2020. Influence of Plant Population Density on Grain Yield and Yield Components of Three Different Maize Varieties (*Zea mays* L.) Under the Libyan West Coast Conditions. Journal of Pure & Applied Sciences. 19 (2): 148-151.
- 10** - Hanan M. Maetouq, Abdulsalam S. Mahmoud, Abdulati El Salem, **Khaled A. Aisawi**, Ashraf A. Naass, Abdulaziz M. Alkeelani, Mahmud EL. Abushhewa. 2021. Preliminary Epidemiological Investigation of SARS-CoV-2 and Risk Factors Associated with Infection in Tarhouna, Libya. Fortune Journal of Health Sciences. 4 (3): 373-382.
- 11** – **Aisawi** et al. 2022. Determining the selection criteria of yield for durum wheat *Triticum durum* under rain-fed conditions in the western coast of Libya. Journal of Misurata University for Agricultural Sciences. 3 (2): 1-15.
- 12** – Megri, A., **Aisawi**, K., Amrani, M. and Helal, S. 2022. New development model(s) for desert and oasian zones – Libya. Tunis, FAO.
- 13** – **Aisawi**, K., Agoub, M., Magdoub, E., Gheeda, M., Hawaisha, W. 2023. Effect of modifying the source-sink relationship and dry matter partitioning on grain weight in two six-row barley (*Hordeum vulgare* L.) varieties and ways of genetic improvement from a physiological perspective. Journal of Misurata University for Agricultural Sciences. 4 (1): 30-40.
- 14** – Al Jadoei, Rima., **Aisawi**, Khaled. And Salem, Radia. 2024. Effect of Leaves Aqueous Extract of Castor (*Ricinus communis* L.) on the Chromosomes of Six-rowed Barley During Mitosis. THE LIBYAN JOURNAL OF AGRICULTURE. Volume (29): No. (2): 2024: 93-106.
- 15** – Nasr, Jamal., **Aisawi**, Khaled., Ardia, Fatma., Andalsaid, Asma, and Ayad, Saleh. 2024. Grain Quality of Bread Wheat (*Triticum aestivum* L.) Grown under Rainfed Conditions in Northeastern Libya. The Arab Journal for Arid Environments 17 (1): 264 – 276.
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