Mohamed Ali Saed Fahej
Professor-at Libyan Academy for Postgraduate Studies
Elkhoms Branch
Libyan Authority for Scientific Research
Libyan Center for Sustainable Development Research (LSD)
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EDUCATION

May 2012 **PhD in plant stress physiology and plant tissue culture**
Oklahoma State University, USA

June 2003 **M. Sc in plant physiology and plant tissue culture**
Tripoli University, Libya.

Feb 1988 **B. Sc in Horticulture and Crop Production**
Omar Al-Mukhtar University, Libya.

EMPLOYMENT

Currently, a chief executive of the Libyan Research Center for Sustainable Development Khoms, Libya, faculty member (Professor) at Libyan Academy for Postgraduate Studies ElKhoms Branch, and The Scientific Association of Human Resources Development Research Centers in the Arab World.
https://elkhomsacademy.edu.ly/ar/about
https://www.lsd.ly/
https://www.nchrd.gov.jo/HRDAssociation_Ar.aspx

Jan. 2025, advisory board member of the Eltarbawe Journal, at Elemergib University.

Jul. 2023, Promoted to a professor at Libyan Authority for Scientific Research

Mar. 2022, A chief executive of the Libyan Research Center for Sustainable Development Khoms, Libya.

Mar. 2020 October 2023, head of premedical department at Faculty of Medicine, Elmergib University.

May 2019, associate professor at Biology Department in Khoms Faculty of Arts and Sciences, Elmergib University.

Aug 2018- September 2020, a chief director of Quality Assurance and Performance Evaluation Office at Elmergib University.

Mar 2018, elected as a head of Faculty Syndicate at Khoms Faculty of Science

May 2015, assistant professor at biology department, Khoms Faculty of Arts and Sciences, Elmergib University.

Dec 2012 to Jul 2015, faculty dean of Khoms Faculty of Arts and Sciences, Elmergib University.

Jul 2012 to Dec 2012, head of biology department in Khoms Arts and Sciences Faculty at Elmergib University.

Jul 2012- October 2023, lecturer at premedical department at Faculty of Medicine, Elmergib University.

Jul 2012, lecturer and faculty member at biology department, Khoms Faculty of Arts and Sciences, Elmergib University.

May 2012, PhD in plant stress physiology and plant tissue culture at Oklahoma State University, USA.

Aug 2007- May 2012, PhD student at Oklahoma State University, USA.

Mar 2005- Jul 2007, head of biology department and in Khoms Arts and Sciences Faculty at Elmergib University.

April 2004 to July 2007, lecturer assistant and Faculty member at biology department.

Jun 2003-Mar 2004, research assistant at Elmergib University Faculty of Arts and Sciences.

Aug 1998- May 2003, graduate student at Tripoli university.

May 1993-Jul 1998, research assistant at Elmergib University Faculty of Arts and Sciences.

Jun 1988- April 1993, employee as an agricultural engineer at public agriculture sector of the ministry of agriculture at Khoms, Libya.

PUBLICATIONS AND PARTICIPATION IN CONFERENCES:

- Tahani Ali Abu-Aza , Mostafa Mohamed Mohamed Ali and Mohamed Ali Saed Fahej. 2026. Isolation and Antibiotic Susceptibility of Aeromonas Spp. from Drinking Water in Al-Khums Libya. NAJSP12026-214. https://najsp.com/index.php/home/article/view/855

- Mustafa Ben Hkoma and Hosam Ali Aldhawi Ashokri, Mohamed A. S. Fahej, Mohamed Bani, Abdalraoof Alhambali, Ibtesam Amer and Fatima Maiteeq. 2025. Towards Green Markets: Strategies for Enhancing Sustainability in Open-air Popular Markets, Zliten, Libya. SSRN Electronic Journal, https://api.semanticscholar.org/CorpusID:283975212

- Mustafa Ben Hkoma, Mohamd Fahej, Hana Jamhour , Fatma Al Thani, Hassan Almortada, Salema Alkut, Heiam Hamed. 2025. The challenges southwest municipalities confront while implementing sustainable development strategies. *Sebha University Conference Proceedings*, *4*(3), 193–204. https://doi.org/10.51984/sucp.v4i3.4086

- OS Slama, A., Cherif, A., Hadia, E., Fahej, M. A. S., & Belhaj. 2025. Relationships Between Morphological and Anatomical Characteristics of Durum Wheat (Triticum Durum Desf.) Awns and Yield Under Water Constraint. Journal of Basic Sciences 38 ((1)), 1–23.

- Elhadi Hadia, Mohamed Ali Saed Fahej and Abdelnaser T. Abed. 2024. Mitigation of Salt Stress on Libyan Local Wheat Genotype Using Some Moderators. Altarbawi, Elmergb Uni. V, 24. https://tarbawej.elmergib.edu.ly/tarbawia-24.pdf.

- Fahej, M. A. S. Abosalah, H., Aboghnaia, A, Hamod, S. 2023. Effect of Red and Blue Light on the Growth of Potato Varieties Spunta and Agria Under in Vitro Culture Conditions. Altarbawi, Elmergb Uni. V, 22. http://dspace.elmergib.edu.ly/xmlui/handle/123456789/1658

- Elhadi Hadia, Amor Slama, Leila Romdhane, Hatem Cheikh M'Hamed, Mohamed Ali Saed Fahej & Leila Radhouane. 2022. Seed Priming of Bread Wheat Varieties with Growth Regulators and Nutrients Improves Salt Stress Tolerance Particularly for the Local Genotype. Journal of Plant Growth Regulation, Springer US:1-15.

- Elhadi Hadia, Amor Slama, Aziza Zoghlami, Leila Romdhane, Ahmed Houssein Abodoma, Mohamed Ali Saed, Leila Radhouane Fahej. 2021. Response of morphological and biochemical traits and transcriptomic of CDPKs and P5CS Genes to phytohormones and nutrients in two bread wheat germplasms under salinity conditions. Romanian Biotechnological Letters, Volume 26; https://doi.org/10.25083/rbl/26.6/3054-3061.

- El Hadi Hadia, Amor Slama, Leila Romdhane, Hatem Cheikh M'hamed, Ahmed Houssein Abodoma, Mohamed Ali Saed Fahej, Leila Radhouane. 2020. Morpho-physiological and molecular responses of two Libyan bread wheat cultivars to plant growth regulators under salt stress. Italian Journal of Agronomy, volume 15:1633

- Faraj Ali Abushaala, Abdalla Ben Ramadan and Mohamed Ali Fahej. 2018. Effect of Biocontrol Agents of Bacteria against Seed-borne Pathogens in vitro and Under Greenhouse Conditions. The Pharmaceutical and Chemical Journal, 5 (3): 150-157.

- F. A. Abushaala, A. R. Ben Ramadanm and M. A. S. Fahej. 2017. Effect of Biocontrol Agents of Fungi Against Seed-borne Pathogens in vitro and Under Greenhouse Conditions. Indian Journal of Plant Sciences ISSN: 2319–3824. 2017, Vol.6 (4) October-December

- F. A. Abushaala, A. R. Ben Ramadanm and M. A. S. Fahej. 2017. Effect of Some Plant Powders against Fusarium spp. and Macrophomina phaseolina Under Greenhouse Conditions. International Journal of Science and Research (IJSR). ISSN (Online): 2319-7064, Volume 6 Issue 7, July 2017.

- F. A. Abushaala, A. R. Ben Ramadan, M. A. S. Fahej. 2017. In vitro Antifungal Activity of Some Plant Extracts against Seed-borne Pathogens. Journal of Agriculture and Veterinary Science (IOSR-JAVS). (IOSR-JAVS) e-ISSN: 2319-2380, Volume 10, Issue 4 Ver. I (April. 2017), PP 49-57.

- Mohamed Ayad Berfad, Mohamed Ali Saed Fahej, Ashok Kumar, Salem Edrah. 2015. Preliminary Phytochemical and Antifungal Studies of Sea Grass, Posidonia oceanica obtained from Mediterranean Sea of Libya, International Journal of Science and Research

- Ismail Awheda, Abuagla Y. Ahmed, Fathi A. Smida, Salem S. Elwahaishi and Mohamed A. S. Fahej. Determination of Heavy Metals, Mn, Fe, Co, Cu, Zn, Cd and Pb in Sargassum vulgar and Pterocladia capillacea Marine Algae in Libyan Coast of Al-Khoms. International Journal of Advanced Research (March (30) issue, VOL 3 (2015)).

- Husameldin. H. Mahmoud, Mohammed. S. Ali. 2014. Total N, P & K uptake by main and ratoon banana crop cv.Grand Naine 3 under different levels of planting distances, irrigation and fertigation. Int. J. Adv. Res. Biol.Sci. 1(9): (2014): 283–291

- Fahej, M. A. S. 2014. Utilizing Whole Plant and In Vitro Culture Techniques to Screen for Water Stress. Bali Eurasian Academic Conference, 18-21 May, 2014, Bali, Indonesia.

- Fahej, M., Kakani, V. G. 2011. Improving Water Use Efficiency in Switchgrass. The EPSCoR Annual Conference, 21 April 2011, Norman, OK, USA.

- Fahej, M., Kakani, V. G. 2011. Screening Switchgrass For Water Stress Tolerance & Utilizing *In Vitro* Culture Technique To Induce Variation. The ASA-CSSA-SSSA International Annual Meetings, 16-19 October 2011, San Antonio, TX, USA.

- Fahej, M., Tanka, P. K., Kakani, V. G. 2010. Screening Switchgrass for Water Stress Tolerance. The ASA-CSSA-SSSA International Annual Meetings, Oct. 31 – Nov. 4. Long Beach. CA. USA.

- Fahej, M., Tanka, P. K., Kakani, V. G. 2010. Screening Switchgrass for Water Stress Tolerance.The EPSCoR Annual Conference, APRIL 21, 2010, Norman, OK, USA.

- Fahej, M, Z. Ben Saad, A. Abdelkarim and B. Ibrahim. 2005. Root initiation on citrus seedlings produced in vitro culture on salt media. Journal of biotechnology. Tripoli. Libya.

- Fahej, M, Z. Ben Saad, A. Abdelkarim and B. Ibrahim. 2003. Affects off salt stress on callus formation and tiller growth of rootstock genotypes of citrus. Journal of biotechnology. Tripoli. Libya.

Awards and Scholarships

2007 PhD scholarship from ministry of education of Libyan government.

2009 Wallace Miller Memorial Scholarship– Awarded by Department of Plant and Soil Sciences, Oklahoma State University in the amount of $750.

Research Interests

- Ecology and drought as stress environments in agricultural areas.
- Sustainable Development
- Plant tissue culture.
- Stress physiology, *in vitro* and at greenhouse conditions.

Courses thought:

At biology department, Khoms Faculty of Sciences, biology department, Misurata Faculty of Sciences – University of Misurata, and The Libyan Academy for Postgraduate Studies:

Undergraduate courses such of: Cytology, Cell Biology, genetics, Plant Physiology I, Plant Physiology II, Plant Tissue Culture, Plant Morphogenesis, General Plant Science, Plant Pathology, Plant Disease Control, Plant Eco physiology and Botany course for premedical level.

Teaching post graduate courses such of: Research Methodology, Plant Physiology, Plant, Tissue Culture, Cytology, medical genetics, and Plant Growth Regulators.

Expertise and skills

- Plant tissue culture lab.
- The use of Li-6400XT portable photosynthesis system
- Greenhouse and field studies.

Google Scholar profile link:
https://scholar.google.com/citations?user=UpfOtmkAAAAJ&hl=en

Research Gate profile link: https://www.researchgate.net/profile/Mohamed-Fahej-2