

## Asst. Prof. AHMAD ALSALEH

### Personal Information

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BİLTEM Yozgat Bozok Üniversitesi 66200 YOZGAT Türkiye



### Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Biyoteknoloji, Turkey 2012 - 2016

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Biyoteknoloji, Turkey 2009 - 2011

Undergraduate, Halep Üniversitesi, Faculty Of Science, Applied Chemistry Department,  
Applied Chemistry, Syria 1982 - 1989

### Foreign Languages

Arabic, C2 Mastery

English, C1 Advanced

### Certificates, Courses and Trainings

Occupational Health and Safety, İşyeri Hekimi Perspektifinden Endüstriyel Toksikoloji, Industrial Toxicology Association, 2019

Technology Assessment, Practical application of haploid production and doubling the chromosome course, Çukurova University, 2014

Technology Assessment, Wheat Storage Electrophoresis Analysis, Short-term training course , International Center of Agricultural Research in Dry Areas (ICARDA), 2009

Technology Assessment, Marker Assisted Selection, International Center of Agricultural Research in Dry Areas (ICARDA), 2009

Technology Assessment, Biotechnology for Crop Improvement, International Center of Agricultural Research in Dry Areas (ICARDA), 2006

Technology Assessment, DNA marker Technology for Crop Improvement, International Center of Agricultural Research in Dry Areas (ICARDA), 2005

### Dissertations

Doctorate, Genome wide association mapping (GWAS) for important agronomic and quality traits in durum wheat (Triticum durum L.), Cukurova University, Fen Bilimleri Enstitüsü, Biyoteknoloji, 2016

Postgraduate, Identification of QTL for grain quality traits in durum wheat (Triticum turgidum var. durum L.) mapping population derived from kunduru x Cham1, Cukurova University, Fen Bilimleri Enstitüsü, Biyoteknoloji, 2011

## Research Areas

Agricultural Sciences, Biotechnology and Genetics, Biotechnology and Genetics, Cereal Grains (wheat, oats, rye, corn, barley, millets, rice, etc.), Biotechnology and Genetics

## Academic Titles / Tasks

Assistant Professor, Yozgat Bozok University, Kenevir Araştırma Enstitüsü, -, 2021 - Continues

Lecturer PhD, Yozgat Bozok University, Bilim Ve Teknoloji Uygulama Ve Araştırma Merkezi, Biotechnology / Molecular Markers, 2017 - 2020

Researcher, Cornell University, Plant Breeding and Genetics Department, 1996 - 1996

## Academic and Administrative Experience

Assist Prof, Yozgat Bozok University, Kenevir Araştırma Enstitüsü, -, 2021 - Continues

Araştırma Görevlisi Üniversite Temsilcisi, Yozgat Bozok University, Bilim Ve Teknoloji Uygulama Ve Araştırma Merkezi, 2017 - 2020

Research assistant, International Center of Agricultural Research in Dry Areas (ICARDA), BIGM, 1992 - 2013

Visiting Fellow, Cornell University, Plant Breeding and Genetics Department, 1996 - 1996

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Common bean as a potential crop for future food security: an overview of past, current and future contributions in genomics, transcriptomics, transgenics and proteomics**  
Nadeem M. A. , Yeken M. Z. , Shahid M. Q. , Habyarimana E., YILMAZ H., ALSALEH A., HATİPOĞLU R., Cilesiz Y., Khawar K. M. , Ludidi N., et al.  
BIOTECHNOLOGY & BIOTECHNOLOGICAL EQUIPMENT, vol.35, no.1, pp.758-786, 2021 (Journal Indexed in SCI)
- II. **Detection of grain yield QTLs in the durum population Lahn/Chaml tested in contrasting environments**  
Farouk I., ALSALEH A., Motowaj J., Gaboun F., Belkadi B., Filali Maltouf A., Kehel Z., Elouafi I., Nsarellah N., Nachit M. M.  
TURKISH JOURNAL OF BIOLOGY, vol.45, no.1, pp.65-78, 2021 (Journal Indexed in SCI)
- III. **GENETIC DIVERSITY AND MOLECULAR TAXONOMY STUDY OF GENUS FESTUCA**  
ALSALEH A., Dogrusoz M. C. , Basaran U., Tamkoc A., Avci M. A.  
JOURNAL OF ANIMAL AND PLANT SCIENCES, vol.30, no.4, pp.931-943, 2020 (Journal Indexed in SCI)
- IV. **Genetic Diversity, Population Structure and Marker-Trait Association for 100-Seed Weight in International Safflower Panel Using SilicoDArT Marker Information**  
Ali F., Nadeem M. A. , BARUT M., Habyarimana E., Chaudhary H. J. , Khalil I. H. , ALSALEH A., Hatipoglu R., Karakoy T., KURT C., et al.  
PLANTS-BASEL, vol.9, no.5, 2020 (Journal Indexed in SCI)
- V. **Identification of chromosomal regions in the genetic control of quality traits in durum wheat (Triticum turgidum L.) from the Fertile Crescent**  
ALSALEH A., BALOCH F. S. , Azrak M., Hamwiah A., Comertpay G., HATİPOĞLU R., Nachit M., ÖZKAN H.  
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.43, no.3, pp.334-350, 2019 (Journal Indexed in SCI)
- VI. **A consensus linkage map of lentil based on DArT markers from three RIL mapping populations**  
ATEŞ D., Aldemir S., ALSALEH A., Erdogmus S., Nemli S., Kahrman A., ÖZKAN H., Vandenberg A., TANYOLAÇ M. B.  
PLOS ONE, vol.13, no.1, 2018 (Journal Indexed in SCI)
- VII. **DNA molecular markers in plant breeding: current status and recent advancements in genomic**

### **selection and genome editing**

Nadeem M. A. , Nawaz M. A. , Shahid M. Q. , Dogan Y., Comertpay G., Yıldız M., HATİPOĞLU R., Ahmad F., ALSALEH A., Labhane N., et al.

BIOTECHNOLOGY & BIOTECHNOLOGICAL EQUIPMENT, vol.32, no.2, pp.261-285, 2018 (Journal Indexed in SCI)

- VIII. **QTLs for iron concentration in seeds of the cultivated lentil (*Lens culinaris Medic.*) via genotyping by sequencing**  
Aldemir S., ATEŞ D., YILMAZ TEMEL H., YAĞMUR B., ALSALEH A., Kahriman A., ÖZKAN H., Vandenberg A., TANYOLAÇ M. B.  
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.41, no.4, pp.243-255, 2017 (Journal Indexed in SCI)
- IX. **A Whole Genome DArTseq and SNP Analysis for Genetic Diversity Assessment in Durum Wheat from Central Fertile Crescent**  
Baloch F. S. , ALSALEH A., Shahid M. Q. , Ciftci V., de Miera L. E. S. , Aasim M., Nadeem M. A. , Aktas H., ÖZKAN H., HATİPOĞLU R.  
PLOS ONE, vol.12, no.1, 2017 (Journal Indexed in SCI)
- X. **Phenotypic and genotypic intra-diversity among Anatolian durum wheat "Kundur" landraces**  
ALSALEH A., Baloch F. S. , Nachit M., ÖZKAN H.  
BIOCHEMICAL SYSTEMATICS AND ECOLOGY, vol.65, pp.9-16, 2016 (Journal Indexed in SCI)
- XI. **Identification QTLs Controlling Genes for Se Uptake in Lentil Seeds**  
ATEŞ D., Sever T., Aldemir S., YAĞMUR B., Temel H. Y. , Kaya H. B. , ALSALEH A., Kahraman A., ÖZKAN H., Vandenberg A., et al.  
PLOS ONE, vol.11, no.3, 2016 (Journal Indexed in SCI)
- XII. **High levels of segregation distortion in the molecular linkage map of bread wheat representing the West Asia and North Africa region**  
Baloch F. S. , ALSALEH A., Andeden E. E. , HATİPOĞLU R., Nachit M., ÖZKAN H.  
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.40, no.3, pp.352-364, 2016 (Journal Indexed in SCI)
- XIII. **Population structure of rice varieties used in Turkish rice breeding programs determined using simple-sequence repeat and inter-primer binding site-retrotransposon data**  
Comertpay G., Baloch F. S. , Derya M., Andeden E. E. , ALSALEH A., Surek H., ÖZKAN H.  
GENETICS AND MOLECULAR RESEARCH, vol.15, no.1, 2016 (Journal Indexed in SCI)
- XIV. **DNA based iPBS-retrotransposon markers for investigating the population structure of pea (*Pisum Sativum*) germplasm from Turkey**  
Baloch F. S. , ALSALEH A., Saenz de Miera L. E. , HATİPOĞLU R., Ciftci V., Karakoy T., Yıldız M., ÖZKAN H.  
BIOCHEMICAL SYSTEMATICS AND ECOLOGY, vol.61, pp.244-252, 2015 (Journal Indexed in SCI)
- XV. **Genetic Linkage Map of Anatolian Durum Wheat Derived from a Cross of Kunder-1149 x Cham1**  
ALSALEH A., Baloch F. S. , Derya M., Azrak M., Kilian B., ÖZKAN H., Nachit M.  
PLANT MOLECULAR BIOLOGY REPORTER, vol.33, no.2, pp.209-220, 2015 (Journal Indexed in SCI)
- XVI. **Inter-primer binding site retrotransposon and inter-simple sequence repeat diversity among wild *Lens* species**  
Baloch F. S. , Derya M., Andeden E. E. , ALSALEH A., Comertpay G., Kilian B., ÖZKAN H.  
BIOCHEMICAL SYSTEMATICS AND ECOLOGY, vol.58, pp.162-168, 2015 (Journal Indexed in SCI)
- XVII. **Identifying leaf rust resistance gene *Lr19* in durum wheat using simple sequence repeat (SSR) marker**  
Kassem M., El-Ahmed A., Hakim M. S. , Al-Saleh A., EL-Khalifeh M., Nachit M.  
AFRICAN JOURNAL OF BIOTECHNOLOGY, vol.10, no.44, pp.8716-8719, 2011 (Journal Indexed in SCI)
- XVIII. **Use of AFLPs to differentiate between *Fusarium* species causing root rot disease on durum wheat (*Triticum turgidum L. var. durum*)**  
El-Khalifeh M., El-Ahmed A., Al-Saleh A., Nachit M.  
AFRICAN JOURNAL OF BIOTECHNOLOGY, vol.8, no.18, pp.4347-4352, 2009 (Journal Indexed in SCI)
- XIX. **Molecular linkage map for an intraspecific recombinant inbred population of durum wheat (*Triticum turgidum L. var. durum*)**  
Nachit M., Elouafi I., Pagnotta M., El Saleh A., Iacono E., Labhilili M., Asbati A., Azrak M., Hazzam H., Benschel D., et al.

## Articles Published in Other Journals

- I. **Dissection of Quantitative Trait Loci (QTL), annotation of Single Nucleotide Polymorphism (SNP), and Identification of Candidate Genes for Grain Yield in Triticum turgidum L. var durum**  
Farouk I., ALSALEH A., Motowaj J., Gaboun F., Belkadi B., Filali maltouf A., Kehel Z., Ismahane E., Nsarellah N., Habash D., et al.  
Advances in Science, Technology and Engineering Systems Journal, vol.5, no.5, pp.1020-1027, 2020 (Refereed Journals of Other Institutions)

## Books & Book Chapters

- I. **Contribution of Landraces in Wheat Breeding**  
Nadeem M. A. , Yeken M. Z. , Tekin M., Mustafa Z., Hatipoğlu R., Aktaş H., Alsaleh A., Cabi E., Habyarimana E., Zencirci N., et al.  
in: Wheat Landraces, Zencirci N., Baloch F.S., Habyarimana E., Chung G., Editor, Springer, London/Berlin , London, pp.215-258, 2021

## Refereed Congress / Symposium Publications in Proceedings

- I. **Analytical Assessment of Selenium Content in Durum Wheat Genotypes**  
Alsaleh A.  
ISPEC 7th INTERNATIONAL CONFERENCE ON AGRICULTURE, ANIMAL SCIENCE and RURAL DEVELOPMENT , Muş, Turkey, 18 - 19 September 2021, pp.118
- II. **Dissection of QTL linked to grain yield and identification of candidate genes involved in grain yield formation using comparative SNP sequences analysis**  
Farouk I., Gaboun F., Kehel Z., ALSALEH A., Belkadi B., Elouafi I., Motowaj J., Maltouf A. F. , Nachit M. M.  
1st International Conference on Innovative Research in Applied Science, Engineering and Technology, IRASET 2020, Meknes, Morocco, 16 - 19 April 2020
- III. **Toxicological Evaluation of Prepared Drinking Water**  
Akgeyik E., Uzun A., Kartaloğlu N., Hıdırlar A., Alsaleh A., Türksöy V. A.  
International Industrial and Environmental Toxicology Congress October 26-29, 2019, Antalya, Turkey, Antalya, Turkey, 26 - 29 October 2019, pp.28
- IV. **Toxicity Determination of Phenol, Hippuric Acid and 3-Methyl Hippuric Acid in Urine**  
KARTALOĞLU N., UZUN AKGEYİK A., AKGEYİK E., ALSALEH A., hıdırlar A., TÜRKSOY V. A.  
International Industrial and Environmental Toxicology Congress, Antalya, Turkey, 26 - 29 October 2019
- V. **Characterization of Kidney Stones by XRD Method and Determination of Species Ratios**  
hıdırlar A., GÜREL A., UZUN AKGEYİK A., KARTALOĞLU N., AKGEYİK E., ALSALEH A., TÜRKSOY V. A.  
International Industrial and Environmental Toxicology Congress, Antalya, Turkey, 26 - 29 October 2019
- VI. **Toxicological Evaluation of Prepared Drinking Water**  
Akgeyik E., Uzun Akgeyik A., Kartaloğlu N., Hıdırlar A., Alsaleh A., Türksöy V. A.  
Toxicological Evaluation of Prepared Drinking Water. International Industrial and Environmental Toxicology Congress, Antalya, Turkey, 26 - 29 October 2019, pp.28
- VII. **Molecular Techniques and Applications in Toxicology at Yozgat Bozok University**  
Alsaleh A., Kartaloğlu N., Uzun Akgeyik A., Akgeyik E., Hıdırlar A., Türksöy V. A.  
International Industrial and Environmental Toxicology Congress, Antalya, Turkey, 26 - 29 October 2019, pp.1
- VIII. **Various approaches for high quality legume**

ALSALEH A.

LEGumes for the Agriculture of TOMorrow, 16 - 20 October 2017

- IX. **Genetic Diversity Between and Within Natural Populations of Wild Emmer Wheat (*T.turgidum* ssp. *dicoccoides*) from Southern Turkey: Insights from Nuclear-SSR and Morphological Variation**  
Çakır E., ALSALEH A., Naoki M., Shoji O., ÖZKAN H.  
8th International Triticeae Symposium 2017, 12 - 16 June 2017
- X. **A whole genome DArTseq and SNP analysis for genetic diversity assessment in durum wheat and its association with the geographical coordinates from central Fertile Crescent**  
BALOCH F. S. , ALSALEH A., Shahid M. Q. , ÇİFTÇİ V., Senz De Miera L. E. , Aktaş H., Nadeem M. A. , ÖZKAN H., HATİPOĞLU R.  
8th International Triticeae Symposium 2017, 12 - 16 June 2017
- XI. **A whole genom DArTseq and SNP analysis for genetic diversity assesment in durum wheat and its association with the geographical coordinates from central Fertile Crescent**  
BALOCH F. S. , ALSALEH A., SHAHID M., ÇİFTÇİ V., De Miera L., AKTAŞ H., NADEEM M., ÖZKAN H., HATİPOĞLU R.  
8th International Triiceae Symposium 2017, Wernigerode, Germany, 12 - 16 June 2017
- XII. **Genetic associations in the detection of QTL for important agronomic and quality traits in durum wheat (*triticum durum* L.)**  
ALSALEH A., ÖZKAN H.  
13th International Wheat Genetics Symposium, 23 - 28 April 2017
- XIII. **Durum wheat in central Fertile Crescent Biodiversity, characterization and utilization**  
BALOCH F. S. , ALSALEH A., ÇİFTÇİ V., Nadeem M. A. , Comertpay G., Aktaş H., ÖZKAN H., HATİPOĞLU R.  
International Symposium on Biodiversity and Edible Wild Species, BEWS2017, 3 - 05 April 2017
- XIV. **Durum wheat in central Fertile Crescent Biodiversity, characterization and utilization**  
BALOCH F. S. , ALSALEH A., ÇİFTÇİ V., NADEEM M., CÖMERTPAY G., AKTAŞ H., ÖZKAN H., HATİPOĞLU R.  
Internatioanl Symposium on Biodiversity and Edible Wild Species, Antalya, Turkey, 03 April 2017 - 05 April 2107, pp.109
- XV. **Durum wheat in central Fertile Crescent Biodiversity, characterization and utilization**  
BALOCH F. S. , ALSALEH A., ÇİFTÇİ V., Nadeem M. A. , cömertpay g., AKTAŞ H., ÖZKAN H., HATİPOĞLU R.  
International symposium on biodiversity and edible wild species, 3 - 05 April 2017
- XVI. **Genome Wide Association Mapping (GWAS) for Important Agronomic and Quality Traits in Durum Wheat (*Triticum durum* L.)**  
ALSALEH A., ÖZKAN H.  
Plant and Animal Genome Conference XXV, 12 - 18 January 2017
- XVII. **Double-Haploid Pure-Line Development in Galia-Type Melons Having a Long Shelf Life**  
Pamuk S., SARI N., Mancak I., Solmaz I., Dal B., ALSALEH A.  
XIth EUCARPIA Meeting on Genetics and Breeding of Cucurbitaceae. Warsaw, Poland., 24 - 28 July 2016
- XVIII. **Galia Tipi Kavunlarda Raf Ömrü Uzun Hat Geliştirme**  
Pamuk S., SARI N., Mancak I., Solmaz I., Dal B., ALSALEH A.  
4. Çukurova Biyoteknoloji Günleri, Turkey, 15 - 16 March 2016
- XIX. **Genome wide association studies for identification of different resistance genes in wheat of fertile crescent**  
BALOCH F. S. , İMREN M., ALSALEH A., DABABAT A. A. , AYAZ A., TOKTAY H.  
Fifth international Cereal Cyst Nematodes Initiative Workshop, 12 - 15 September 2015
- XX. **Molecular characterazetion of wild emmer populations from Turkey**  
Çakır E., ALSALEH A., Comertpay G., ÖZKAN H.  
11. Tarla Bitkileri Kongresi, Turkey, 7 - 10 September 2015
- XXI. **Genetic Linkage map of Anatolian Durum Wheat Derived from a Cross of Kunduru-1149 x Cham1**  
ALSALEH A., BALOCH F. S. , DERYA M., Azrak M., Nachit M., ÖZKAN H.  
Intenational Symposium Genetic and Breeding of Durum Wheat, 27 - 30 May 2013
- XXII. **Genetic Linkage Map of Anatolian Bread Wheat Derived from a Cross of Gerek-79 x Arrehane**  
BALOCH F. S. , ALSALEH A., ANDEDEN E. E. , DERYA M., Kilian B., Nachit M., HATİPOĞLU R., ÖZKAN H.

- International Plant Animal Genome XXI, 11 - 16 January 2013
- XXIII. **Genetic Linkage map of Anatolian Durum Wheat Derived from a Cross of Kunduru-1149 - Cham1**  
ALSALEH A., BALOCH F. S. , DERYA M., Azrak M., Nachit M., ÖZKAN H.  
International Plant Animal Genome XXI, 11 - 16 January 2013
- XXIV. **DNA Gel Image Analysis Using Clustering Techniques and Statistics**  
Bari A., Ismahane E., Martin A., Boulouha B., Sikaoui L., JL G., ALSALEH A., Nachit M.  
Visualization, Imaging and Image Processing (VIIP 2004), 6 - 08 September 2004
- XXV. **Identification of Genomic region controlling yellow pigment in durum wheat (*Triticum turgidum* L.Var durum)**  
Ismahane E., ALSALEH A., Asbati A., Azrak M., Hazzam H., Nachit M.  
CIHEAM, 12 - 14 April 2000
- XXVI. **QTL-mapping of genomic regions controlling gluten strength in durum (*Triticum turgidum* L. var. durum)**  
Ismahane E., Nachit M., ALSALEH A., Asbati A., Mather D.  
Durum wheat improvement in the Mediterranean region: New challenges, 12 - 14 April 2000
- XXVII. **Occurrence of unusual storage proteins electrophoretic patterns in durum wheat and their effect on gluten strength**  
Impiglia A., Nachit M., ALSALEH A., Lafiandra D., Porceddu E.  
5th International Wheat Conference, Ministry of Agriculture and Rural Affairs, Turkey/CIMMYT/ICARDA/Oregon State University/USAID/GTZ, 10-14 June 1996, Ankara, Turkey, 10 - 14 June 1996

## Supported Projects

ALSALEH A., Project Supported by Higher Education Institutions, Bazı Kenevir Genotiplerinde Kalıtsal Ve Kimyasal Çeşitliliğin Belirlenmesi, 2020 - Continues

ALSALEH A., ÖZKAN H., BALOCH F. S. , ERBAKAN M., Project Supported by Higher Education Institutions, Çeşitli makarnalık buğday (*Triticum durum* Desf.) genotiplerindeki toksisitenin kadmiyuma ait doğrulanmış moleküler markerler kullanılarak değerlendirilmesi, 2019 - Continues

Alsaleh A., Baloch F. S. , Project Supported by Higher Education Institutions, Islahında kullanılmak üzere küresel bürülce gen kaynaklarının moleküler karakterizasyonu, 2021 - 2022

ALSALEH A., Project Supported by Higher Education Institutions, ekmeklik buğdaylarda genetik çeşitliliğin değerlendirilmesi için retrotransposons DNA markör kullanımı, 2015 - 2017

ALSALEH A., TUBITAK Project, Galia Tipi Kavunlarda Yüksek Verimli ve Raf Ömrü Uzun Saf Hatlar Geliştirme, 2014 - 2017

ALSALEH A., Project Supported by Higher Education Institutions, Verimli Hilal Bölgesi ndeki Makarnalık Buğdaylarda Genetik Çeşitliliği Araştırmak için Tüm Genomu Kapsayan DARtseq Markörünün Kullanılması, 2015 - 2016

## Citations

Total Citations (WOS):480

h-index (WOS):10

## Non Academic Experience

Company, Manier Seed Company

Non-profit Organisation, International Center of Agricultural Research in Dry Areas (ICARDA), BIGM