



TAGEM
R&D AND INNOVATION

GAP INTERNATIONAL AGRICULTURAL
RESEARCH AND TRAINING CENTER/DİYARBAKIR



MEHMET DÜZGÜN, PhD

Chemist

EDUCATION

- **Assoc. prof**
 - **PhD** 2014-2018 Dicle Ünivesity
Graduate School of Sciences / Chemistry
 - **MSc** 2011-2013 Dicle Ünivesity
Graduate School of Sciences / Chemistry
 - **Bachelor's Degree** 1997-2001 Harran Üniversity
Faculty of Arts and Sciences/Chemistry
- LANGUAGE** English- YÖKDİL 81 / YDS 65
ÜDS 67,5

CAREER

- 2011- GAP International Agricultural Research and Training
Center Directorate/Diyarbakır
-
-
-
-

ABOUT ME

He was born in 1976 in Kızıltepe District of Mardin Province. He graduated from Harran University, Faculty of Arts and Sciences, Department of Chemistry in 2001. He completed his master's degree in Dicle University, Institute of Science in 2013, and he completed his PhD in Department of Chemistry at the same University in 2018.

He takes part in projects in the field of Soil, Plant and Wheat improvement in the Quality and Technology Laboratory.

CONTACT



GAP International Agricultural Research
and Education Center Silvan Road 7. Km
21110
SUR / DİYARBAKIR



mehmet.duzgun@tarimorman.gov.tr



0412 323 13 20



MEHMET DÜZGÜN, PhD

Chemist



▪ **PROJECTS**

▪ **Projects Conducted**

1-The Effects of Ultraviolet (Uv)-C Ray Technology on Microbial and Physicochemical Quality Properties and Storage Stability of Licorice Root (*Glycyrrhiza glabra* L.) Sherbet, TAGEM, 2015 (Researcher).

2-Determination of Plant Nutrient and Potential Toxic Element Contents of Agricultural Soils in Diyarbakır, Batman and Şırnak Provinces, Creation and Mapping of Database, TAGEM, 2018(Researcher)..

- 3-Southeastern Anatolia Region Durum Wheat Breeding Studies, TAGEM,(2013-2017 and 2018-2022) (Researcher).

▪ **Ongoing Projects**

1- Determination of Some Quality Characteristics of Durum Wheat Breeding Materials in the Southeastern Anatolia Region (TAGEM, 2020-2022) (Project Leader).

2- Molecular Characterization of Local Bread Wheat Genotypes by Determining Yield and Some Quality Parameters by DArTseq Method (Researcher)

3- Determination of Some Quality Characteristics of Barley Breeding Materials in the Southeastern Anatolia Region (Researcher)

4- Determination of Some Quality Characteristics of Bread Wheat Breeding Materials in Southeastern Anatolia Region (Researcher)

5- Morphological Characterization of Local Millet (*Sorghum bicolor*) Genotypes of the Southeastern Anatolia Region (Researcher)

▪ **PUBLICATIONS**

▪ **INTERNATIONAL ARTICLES AND PAPERS**

▪ **Articles Published in International Journals**

1. Duz, M. Z., Duzgun, M., Cam, B., Celik, K. S., & Kilinc, E. (2017). ICP-OES Multi-element Analysis of Wheat Grown in Southeastern Turkey. *ATOMIC SPECTROSCOPY*, 38(1): 1-6.

2. Düzgün, M., Bilge, U., Düz, M.Z. 2020.Evaluation by Multivariate Statistical Methods of Relationship with Physicochemical Properties of Humic Acid and Some Soil. *ISPEC Journal of Agr. Sciences*,4(4),843-852.

3. Düzgün, M., Kendal, E., Düz, Z., Hatipoğlu, A (2021): Identify of macro and trace elements in grain of some barley varieties and interpretation with biplot technique. *Agriculture and Forestry*, 67 (1): 115-124. DOI: 10.17707/AgricultForest.67.1.10

4. Düzgün, M. 2021.Determination and Evaluation of Quality Parameters in Cool Climate Cereals,Theoretical and Practical New Approaches in Cereal Science and Technology, Chapter: 6 page: 147-179, İksad



MEHMET DÜZGÜN, PhD Chemist



International Papers, Seminars, etc.

1-Düzgün M., Düz M. Z., Çam B., Şatana E., Koç M., 2014. Determination of Trace Elements Level in Registered Red Lentils of GAP International Agricultural Research and Training Center. International Mesopotamia Agriculture Congress. Diyarbakır 22-25 September, 990.

2-Çam B., Düzgün M., Efe A., Şatana E., Pala Ç., 2014. The Effect of Ultraviolet (UV)-C Light Application at Different Flow Rate on The Microbial and Physico-Chemical Properties of Licorice Root (*Glycyrrhiza glabra* L.) Sherbet. International Mesopotamia Agriculture Congress. Diyarbakır, 22-25 September, 1085.

3-Kendal, E., Düzgün M., 2014. Investigation of NIT Quality Analyzer Compared with Conventional Method and NIRS Device on Availability Wheat Flour Quality Analysis. International Mesopotamia Agriculture Congress. Diyarbakır, 22-25 September, 401.

4-Duz, M.Z., Duzgun, M., Erdemci, I., Kahraman, S., Baran, M.F., Kılınc, E., 2017. Determination of Multielement in Grains Grown Around Karacadağ and Tigris River of Southeastern by ICP-OES. III. International Turkish Congress on Molecular Spectroscopy, 26-29 Bodrum, Turkey, Book of Abstracts, p:313

5-Duz, M. Z., Duzgun, M., Aktas, H., Baran, M.F, Kılinc, E., Karaman, M., 2017. Determination of Essential and Toxic Microelements in the Bran and Wheat Flour Grown in Southeastern of Turkey by ICP-OES. III. International Turkish Congress on Molecular Spectroscopy, 26-29 Bodrum, Turkey, Book of Abstracts, p:312

6-Baran, M. F., Aygun, H., Uyar, F., Duzgun, M., Kilinc, E., Duz, M.Z., 2017. Removal of Lead (II) by Biosorption of *Bacillus Subtilis* ATCC 6051 (B1) and two Wild Strain *Bacillus Licheniformis* (FI and Fs) with a Comparative Study From Aqueous Solutions, III. International Turkish Congress on Molecular Spectroscopy, 26-29 Bodrum, Turkey, Book of Abstracts, p:127

7-Baran, M.F., Duzgun, M., Dolak, İ., Kılınc, E., Duz, M.Z. 2017. Removal of Multielement from Aqueous Solution Using ICP-OES by *Bacillus Subtilis* and *Bacillus Licheniformis*. International Conference on Multidisciplinary, Science, Engineering and Technology (IMESET'17 Bitlis) 27-29 Kasım, Bitlis.

9-Baran, M. F., Uzan, S., Koç, A., Düzgün, M., Atalar, M.N. 2018. Zea Mays (Mısır) Yaprağından Gümüş Nanopartiküllerin Sentezi, Karakterizasyonu ve Antimikrobiyal Aktivitesinin İncelenmesi, International Iğdır Congress on Multidisciplinary Studies., Iğdır.

10-Düzgün, M., Baran, F., Kahraman, Ş., Düz, M.Z. 2018. Determination of Trace Elements in Karacadağ Rice By ICP-OES. International Engineering and Natural Sciences Conference (IENSC 2018), Diyarbakır.

11-Düzgün, M. 2018. Determination of Essential and Toxic Microelements in The Bran and Wheat Flour Growing in The South Eastern of Turkey By ICP-OES. International Engineering and Natural Sciences Conference (IENSC 2018), Diyarbakır.



MEHMET DÜZGÜN, PhD Chemist

TAGEM
R&D AND INNOVATION

- 12- Düzgün, M., Baran, M. F., Duz, M. Z., Kahraman, Ş., Bilge, U., Saydut, A. 2019. Assessment with humic acid of trace elements by multivariate statistical methods of some agricultural soils in Diyarbakır area. 1st International Congress on Analytical and Bioanalytical Chemistry-27-30 March,p.199,Antalya/Turkey
- 13- Düzgün, M., Baran, M. F., Selçuk, R., Ceylan, R., Duz, M. Z., Saydut, A.2019. Evaluation by multivariate statistical methods of relationship humic acid and some elements in agricultural soil. 1st International Congress on Analytical and Bioanalytical Chemistry-27-30 March,p.200, Antalya/Turkey
- 14- Baran, M.F., Duz, M. Z., Duzgun, M., Uzan, S., Aygun, H., Ozdemir, S., Kılinc, E.2019. Removal of Pb, Cu, Zn, Fe, Ni and Cd from drinking water and wastewater by Bacillus Subtilis using ICP-MS. 1st International Congress on Analytical and Bioanalytical Chemistry-27-30 March,p.196-198, Antalya/Turkey
- 15- Celik, K. S., Baran, M. F., Düzgün, M., Dolak,İ., Duz,M. Z., Ersin Kılinc, E.2019. Determination of aflatoxin by HPLC in nuts and spices after post-column iodine derivatization. 1st International Congress on Analytical and Bioanalytical Chemistry-27-30 March,p.92-94, Antalya/Turkey(oral)
- 16- Baran, M. F., Düzgün, M., Celik, K.S., Duz, M. Z., Kılinc, E., Saydut, A. 2019. Removal of Cadmium (II) in the aqueous solutions by biosorption of Bacillus licheniformis isolated from soil in the area of Tigris River. 1st International Congress on Analytical and Bioanalytical Chemistry-27-30 March,p.157, Antalya/Turkey (oral)
- 17-Baran, M.F., Düz, M. Z., Umaz, A., Eren, A., Düzgün, M., Aygün, H. 2019. Fe (II) Sulu Çözeltisi'nin Farklı Biyokütleler İle Metal Absorbsiyonu, 6. İnternational Multidiciplinary Studies Congress, 26-27 April, Gaziantep/Turkey (Oral)

■

NATIONAL ARTICLES AND PAPERS

Articles Published in National Journals

- 1-Tekdal, S., Düzgün M., Karahan, H., 2014. Bazı Makarnalık Buğday Hatlarının Verim ve Kalite Özellikleri Yönünden İncelenmesi. DUFED, 3(1),61-68.
- 2-Tekdal, S., Kendal, E., Aktaş, H., Karaman, M., Doğan, H., Bayram, S., Düzgün, M., Efe, A., 2015. Diyarbakır Koşullarında İleri Kademe Bazı Durum Buğday Hatlarının Verim ve Kalite Özelliklerinin Biplot Analiz Yöntemi ile Değerlendirilmesi. Ulusal Tarım Kongresi, s: 197, 29-31 Ekim 2015, Afyon.
- 3-Bayram, S., Tekdal, S., Kendal, E., Aktaş, H., Karaman, M., Doğan, H., Düzgün, M., Efe, A. 2015. Bazı Makarnalık Buğday Hatlarının Verim ve Kalite Özelliklerinin Biplot Analiz Yöntemi ile Değerlendirilmesi (Poster Bildiri). 11. Tarla Bitkileri Kongresi, 7-10 Eylül 2015, Çanakkale
- 4-Tekdal, S., Kendal, E., Aktaş, H., Karaman, M., Doğan, H., Bayram, S., Düzgün, M., Efe, A. (2017). Biplot Analiz Yöntemi ile Bazı Makarnalık Buğday Hatlarının Verim ve Kalite Özelliklerinin Değerlendirilmesi. Tarla Bitkileri Merkez Araştırma Enstitüsü Dergisi, 26 (Özel Sayı): 68-73.ipsum dolor tfringilla.

■

OTHER PUBLICATIONS

Ph.D. Thesis, Master Thesis, Reports, Books etc.

Master Thesis Subject: Determination of Trace Elements in Registered Grains of GAP International Agricultural Research and Education Center by ICP-OES

Ph.D. Thesis Subject: Investigation of Agricultural Soils in Diyarbakir Region in Terms of Humic Acid and Its Association with Heavy Metals



MEHMET DÜZGÜN, PhD
Chemist

TAGEM
R&D AND INNOVATION

- **Membership, Training, Course, Meeting, Congress, Symposium and Other Activities**