



TAGEM
R&D AND INNOVATION

ATATÜRK HORTICULTURAL CENTRAL RESEARCH
INSTITUTE/ YALOVA

MÜKREMİN TEMEL

Agricultural Engineer

EDUCATION

- MSc** 2010-2012 Namık Kemal Üniversitesi Fen Bilimleri Enstitüsü
- Bachelor's Degree** 2005-2008 Kahramanmaraş Sütçü İmam Üniversitesi

LANGUAGE İngilizce YÖKDİL 53,75

CAREER

- 2009-2022 Mühendis, Atatürk Bahçe Kültürleri Merkez Araştırma Enstitüsü-YALOVA
- 2004-2008 Tekniker, Çiftlikköy İlçe Tarım ve Orman Müdürlüğü-YALOVA
- 2001-2004 Teknisyen, İl Tarım ve Orman Müdürlüğü Destekleme Şubesi, SİVAS
- 2000-2001 Teknisyen, El Sanatları Eğitim Merkezi Müdürlüğü -SİVAS
- 1998-2000 Teknisyen, Altınyayla İlçe Tarım Müdürlüğü-SİVAS

ABOUT ME

He was born in 1977 in Sivas. In 2008, he graduated from Kahramanmaraş Sütçü İmam University, Faculty of Agriculture. In 2009, he was appointed as an Engineer to Atatürk Central Horticultural Research Institute.

He completed his master's degree in Ornamental Plants Management in 2012. Afterwards, he completed his research projects named "Turkish Medicinal and Aromatic Plants Sector Analysis-I and II". He still continues his research work on agricultural economics issues (business, policy and valuation). He is also the Head of the Department of Agricultural Economics.

CONTACT

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MÜKREMİN TEMEL

Agricultural Engineer



▪ **PROJECTS**

▪ **Projects Conducted**

1. Structure, Production Facilities, Problems And Their Solutions Of Ornamental Plant Companies İn Yalova (Project Leader)
2. Medicinal And Aromatic Plants Sector Analysis Of Turkey (Project Leader)
3. Medicinal And Aromatic Plants Sector Analysis Of Turkey–II (Project Leader)
4. Investigation of Organic Cultivation of Some Medicinal and Aromatic Plants in Pistachio Pine Plantation Clearances of Armutlu Peninsula (Project Manager)
5. Sector Analysis of Exotic and Renewable Natural Mushrooms with Commercial Potential in Turkey (Project Manager)
6. Optimization of Stevia and Seedling Growing in Yalova Conditions (Project Manager)
7. Structure, Problems and Solution Proposals of Eastern Marmara Fresh Fruit and Vegetable Warehouses (Project Manager)
8. Determination of Quality and Characteristics of Some Walnut Varieties and Promising Types and Development of Kernel Production Methods (Project Manager)
9. Approach of Producers to Good Agricultural Practices and Economic Analysis of Practices in Yalova, Bursa and Sakarya Provinces (Project Manager)

▪ **Ongoing Projects**

1. Comparison of In-row Weed Control Methods in Apple Orchards of Yalova Region within the Scope of Conservative Soil Cultivation (Project Manager)
2. The Use of Clone Rootstocks of Eşme Quince Varieties and Investigation of the Treatment Systems (Project Manager)



MÜKREMIN TEMEL

Agricultural Engineer



■ **PUBLICATIONS**

■ **INTERNATIONAL ARTICLES AND PAPERS**

■ **Articles Published in International Journals**

1. Arslan D., Bayraktar Ö.V., Temel M., Bayram E., 2019. Economical Analysis of Chamomile (*Matricaria recutita* L.) Cultivars, Flowers Yields Which are Obtained from Different Sowing Times and Row Spacing. *Journal of Agricultural Sciences (SCI)*, 25(2019) 129-136.

■ **International Papers, Seminars, etc.**

1. Öztürk M., Soylu M. K., Temel M., Pezikoğlu F., Bilen G., 2019. Turkey's Place in Mushroom Foreign Trade. II. International Agriculture Congress, 21-24 November, Ankara.
2. Temel, M., A. B. Tınmaz, M. Öztürk, 2018. Turkey's Medical And Aromatic Plants. 1st International Traditional and Complementary Medicine Congress, April 19-22, Istanbul.
3. Öztürk, M., M. Temel, A.B. Tınmaz, 2018. General Situation of Essential Oils Trade In Turkey. 1st International Traditional and Complementary Medicine Congress, April 19-22, İstanbul.
4. Mısır G., F. Pezikoğlu, A. Şen, M. Temel, M. Öztürk, 2018. Current Situation of Fresh Fruit and Vegetable Cold Storage in Some Provinces in Turkey. International Agriculture Congress, 3-6 May, Comrat, Moldova.
5. Tınmaz A.B., M. Temel, M. Öztürk, 2018. Hops. 4th International Symposium of Medicinal and Aromatic Plants, October 2-4, Çeşme-İzmir.
6. Temel, M., A.B. Tınmaz, M. Öztürk, 2018. Review On Turkey Structures Of Aktars. 4th International Symposium of Medicinal and Aromatic Plants, October 2-4, Çeşme-İzmir.
7. Temel, M., A. B. Tınmaz, M. Öztürk, 2018. Status Of Medical and Aromatic Plant Collectors. 4th International Symposium on Medicinal and Aromatic Plants, October 2-4, Çeşme-İzmir.
8. Temel, M., K.H.C. Başer, A.B. Tınmaz, M. Öztürk, 2018. Production And Foreign Trade Of Medicinal And Aromatic Plants In Turkey. 4th International Symposium of Medicinal and Aromatic Plants, October 2-4, Çeşme-İzmir.
9. Öztürk, M., M. Temel, A.B. Tınmaz, , 2018. Developments In Turkey's Bay Laurel Leaf Production And Trade. 4th International Symposium of Medicinal and Aromatic Plants, October 2-4, Çeşme-İzmir.
10. Öztürk, M., M. Temel, A.B. Tınmaz, 2018. Status Of Medical and Aromatic Plant Collectors. 4th International Symposium of Medicinal and Aromatic Plants, October 2-4, Çeşme-İzmir.
11. Temel, M., A.B. Tınmaz, M. Öztürk, O. Gündüz, 2017. Review On Turkey Structures Of Aktar. 1st International Symposium on Medicinal, Aromatic and Dye Plants (REYHAN 2017), October 05-07, Malatya.
12. Temel M., A. Bircan TINMAZ, M. Öztürk, 2017. Turkey Medical-Aromatic Plants Production and Foreign Trade. 1st International Symposium on Medicinal, Aromatic and Dye Plants (REYHAN 2017), October 05-07, Malatya
13. Tınmaz A. B., M. Temel, E.UYSAL, İ. Telci, 2017. Determination of Mineral Substance in Different Reyhan Genotypes and Investigation of Essential Oil Components. 1st International Symposium on Medicinal, Aromatic and Dye Plants (REYHAN 2017), October 05-07, Malatya.
14. Tınmaz A. B., M. Temel, E.UYSAL, İ. Telci, 2017. Determination of Mineral Substance in Different Reyhan Genotypes and Investigation of Essential Oil Components. 1st International Symposium on Medicinal, Aromatic and Dye Plants (REYHAN 2017), October 05-07, Malatya.



MÜKREMİN TEMEL

Agricultural Engineer



15. Öztürk M., M. Temel, A. B. Tınmaz, Y. Özdemir, 2017. Sage Production And Foreign Trade Of Turkey. 1st International Symposium on Medicinal, Aromatic and Dye Plants (REYHAN 2017), October 05-07, Malatya.
16. Temel M., A.B. Tınmaz, M. Öztürk, O. Gündüz, 2017. Production and Foreign Trade of Medicinal and Aromatic Plants Since 2000's. I. International Congress of Medicinal and Aromatic Plants, 9-12 May, Konya.
17. Temel M., A.B. Tınmaz, M. Öztürk, O. Gündüz, 2017. Geçmişten Günümüze Uçucu Yağlar Dış Ticareti. I.Uluslararası Tıbbi ve Aromatik Bitkiler Kongresi, 9-12 Mayıs, Konya.
18. Öztürk M., M.Temel, A.B. Tınmaz, 2017. Thyme Production and Foreign Trade. I. International Congress of Medicinal and Aromatic Plants, 9-12 May, Konya.
19. Tınmaz A.B., M. Öztürk, M.Temel, 2017. Non-Wood Forest Product Production. I. International Congress of Medicinal and Aromatic Plants, 9-12 May, Konya.
20. Tınmaz A.B, M.Temel, M. Özdemir, 2017. Investigation of Natural Cultivation of Some Medicinal and Aromatic Plants in Pistachio Openings. I. International Congress of Medicinal and Aromatic Plants, 9-12 May, Konya.
21. Temel M., A.B. Tınmaz, M. Öztürk, 2017.Economic Analysis Of Post-Fire Cultivation Of Some Medicinal And Aromatic Plants With Model Forest Network Approach, 3rd Mediterranean Symposium on Medicinal and Aromatic Plants April, 13-16 / Girne – T.R.N.C.
22. Tınmaz A.B., M.Temel, M. Öztürk, 2017. Investigation Of Inventory Of A Company Trades Medical And Aromatic Plants In The Marmara Region, 3rd Mediterranean Symposium on Medicinal and Aromatic Plants April, 13-16, 2017 / Girne – T.R.N.C.
23. Öztürk M., M.Temel, A.B. Tınmaz, 2017.Volatile Oil Foreign Trade Of Turkey, 3rd Mediterranean Symposium on Medicinal and Aromatic Plants, April, 13-16, 2017 / Girne – T.R.N.C.

▪ NATIONAL ARTICLES AND PAPERS

▪ Articles Published in National Journals

1. Öztürk M., M. Temel, 2016. Turkey's Cut Flower Production, Journal of Food, Agriculture and Livestock (Türktarım), May-June 2016, Issue:229, ISSN:1303-2364, Ankara.

▪ International Papers, Seminars, etc.

1. Öztürk M., Soylu M. K., Temel M., Pezikoğlu F., Bilen G., 2019. Socio-Economic Structure of Beech Mushroom Businesses in Turkey. XI. Turkey Edible Mushroom Congress, 9-11 October, Samsun.
2. Temel M., A. Bircan TINMAZ, M. Öztürk, O. Gündüz, 2018. Marketing Function of Medicinal and Aromatic Plants in Turkey.
3. Temel M., A.B. Tınmaz, M. Öztürk, 2016. Medicinal Cultivated in Pistachio Pine Openings of Armutlu Peninsula Economical Analysis of Sage, XII. Agricultural Economics Congress, 25-27 May, Isparta.
4. Temel M., M. Öztürk, 2016. Turkey Cut Flower Production and Foreign Trade, XII. Agricultural Economics Congress, 25-27 May, Isparta.



MÜKREMİN TEMEL

Agricultural Engineer



5. Öztürk M., M. Temel, 2016. Foreign Trade of Turkey's Essential Oil Industry, XII. Agricultural Economics Congress, 25-27 May, Isparta.
6. Tınmaz, A.B., M. Temel, M. Özdemir, 2016. Investigation of Organic Growing of Some Medicinal and Aromatic Plants in Pistachio Pine Openings of Armutlu Peninsula, III. Medicinal and Aromatic Plants Symposium, 4-6 October, Antalya.
7. Öztürk M., M. Temel, A. B. Tınmaz, 2016. Laurel Leaf Production and Marketing in Turkey, III. Medicinal and Aromatic Plants Symposium, 4-6 October, Antalya.
8. Temel M., A. B. Tınmaz, M. Öztürk, 2016. An Economic Investigation of the Cultivation of Some Medicinal and Aromatic Plants After Fire with the Concept of Model Forest Network, III. Medicinal and Aromatic Plants Symposium, 4-6 October, Antalya.
9. Tınmaz, A.B., M. Temel, M. Öztürk, 2016. Investigation of the Inventory of a Firm That Trades Medicinal and Aromatic Plants in the Marmara Region, III. Medicinal and Aromatic Plants Symposium, 4-6 October, Antalya.
10. Öztürk, M., M. Temel, 2016. The Place of Ornamental Plants Sector in Turkey's Foreign Trade. VI. Ornamental Plants Congress, 19-22 April, Antalya.
11. Kazaz S., K. Erken, Ö. Karagüzel, Ş. Alp, M. Öztürk, A. S. Kaya, F. Gülbağ, M. Temel, S. Erken, Y. İ. Saraç, Z. Elinç, A. Salman, M. Hocagil, 2015. Süs Bitkileri Üretiminde Değişimler ve Yeni Arayışlar, s:645-672, Türkiye Ziraat Mühendisleri VIII. Teknik Kongresi, 12-16 Ocak 2015, Ankara.
12. Temel M., M. Öztürk, 2015. Turkey Peach (Nectarine) Production and Foreign Trade, VII. National Horticultural Congress, 25-29 August, Çanakkale.
13. Öztürk M., M. Temel, 2015. Cucumber Production and Export in Turkey, VII. National Horticultural Congress, 25-29 August, Çanakkale.
14. Temel M., E. Orman, M. Öztürk, 2015. Turkey Chestnut Asset and Export, VII. National Horticultural Congress, 25-29 August, Çanakkale.
15. Öztürk M., M. Temel, 2015. Turkey Pomegranate Production and Export Potential, VII. National Horticultural Congress, 25-29 August, Çanakkale.
16. Temel M., and M. Öztürk, 2014. Turkey Fresh Apricot Production and Export, XI. National Agricultural Economics Congress, II. Vol, 1459-1464 S., 03-05 September, Samsun.
17. Öztürk M., and M. Temel, 2014. Garlic Production and Foreign Trade in Turkey, XI. National Agricultural Economics Congress, II. Vol, 1481-1487S., 03-05 September, Samsun.
18. Temel M., Tınmaz A.B., Öztürk M. and B. Batmaz 2014. Determination of Production Inputs, Cost and Profitability of Sugar Grass (Stevia), II. Medicinal and Aromatic Plants Symposium, 23-25 September, Yalova.
19. Temel M., Tınmaz A.B., Öztürk M. and N. Yoldaş 2014. Hops, Differentiated Product of the World of Medicinal and Aromatic Plants, II. Medicinal and Aromatic Plants Symposium, 23-25 September, Yalova.
20. Öztürk M., Temel M. and A.B Tınmaz 2014. Thyme Production and Marketing, II. Medicinal and Aromatic Plants Symposium, 23-25 September, Yalova.
21. Temel, M., Structure of Ornamental Plants in Yalova, Problems and Solutions, V. Ornamental Plants Congress, 06-09 May 2013, Yalova.
22. Öztürk M., Temel M., Tınmaz A.B., Kil L., 2012. The Role of Medical and Aromatic Plants in Our Foreign Trade, I. Medicinal and Aromatic Plants Symposium, 13-15 September 2012, Tokat.



MÜKREMIN TEMEL

Agricultural Engineer



▪ OTHER PUBLICATIONS

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

1. Temel, M., A.B. Tınmaz, M. Öztürk, G. Bilen, C. Akbay, 2021. Turkey Medicinal and Aromatic Plants Sector Analysis-II. Ministry of Agriculture and Forestry, General Directorate of Agricultural Research and Policy, Atatürk Horticultural Central Research Institute Project Final Report, Yalova.
2. Tekin, F., İ. Kosar, B.C. Albayrak , M. Temel, 2021. Trade in Medicinal and Aromatic Plants. GAP International Agricultural Research and Training Center Directorate.
3. Temel, M., A. B. Tınmaz, F. Pezikoğlu, M. Öztürk, G. Bien, O. Gündüz, 2017. Turkey Medicinal and Aromatic Plants Sector Analysis. Ministry of Agriculture and Forestry, General Directorate of Agricultural Research and Policy, Atatürk Horticultural Central Research Institute Project Final Report, Publication No: 350, Yalova.
4. Öztürk M., M. Temel, K. Erken, 2015. Ornamental Plants of Turkey: Cut Flowers, A View from Agricultural Research, TAGEM, Ankara.
5. Öztürk M., Temel M. and K. Early 2014. Ornamental Plants of Turkey: Cut Flowers, A View from Agricultural Research, TAGEM, Ankara.
6. Temel, M. 2011. The Structure, Production Opportunities, Problems and Solution Suggestions of Ornamental Plants Businesses in Yalova. Namık Kemal University, Institute of Science, Master's Thesis, Tekirdag.

▪ Membership, Training, Course, Meeting, Congress, Symposium and Other Activities

1. Membership of the Turkish Journal of Agricultural Economics.
2. TTMOB Chamber of Agricultural Engineers Membership.
3. VI. TAB Raw Materials to Health and Trade Workshop Participation, Afyonkarahisar, 2021.
4. Ornamental Plants Workshop Participation, Yalova, 2020.
5. Yalova Model Forest Workshop Participation, 2019.
6. Medicinal and Aromatic Plants Resource Management, Sectoral Problems and Strategies for the Future Workshop Participation -Silivri Municipality, 2018
7. Medicinal and Aromatic Plants Trabzon Workshop Participation- BÜGEM, 2015.