

# International Workshop on Trustable Platform for Smart Honey Chains (TrustPlatform4Honey)

The workshop will be held in conjunction with 8.INTERNATIONAL MUĞLA BEEKEEPING AND PINE HONEY CONGRESS, Muğla, Türkiye, Nov 24-27 2024.

<https://www.muglacongress.org/en/>

## Trust Platform for Smart Honey Chains

MN Aydın<sup>1,\*</sup>, Şahin Aydın<sup>1</sup>

<sup>1</sup>Kadir Has University, Department of MIS, 34810 İstanbul, Türkiye

<sup>1</sup>İşık University, Department of MIS, 37810 İstanbul, Türkiye

\*Corresponding author: mehmet.aydin@khas.edu.tr

**Abstract:** The honey business as an agri-food sector faces sustainability challenges to cope with complex relations from farm to fork, climate change, increasing competitive pressures, varying consumer diets, and food safety. The challenge is to generate a smart value chain, driven by market preferences and consumer demands, based on the quality that has been preserved from the apiary, with records and transparency throughout the entire honey-food business including the apiary and honey processing, building trust between buyers and sellers. Transparent, efficient, and effective honey value chain is needed to achieve a dynamic and responsive honey-food system to cope with major forces globally as well as local imperatives. The main goal of this workshop to bring academics to share their insights and foster interdisciplinary collaborations in the study of Smart Honey Chains, Traceability Systems for Honey Chains, Smart Apiculture.

We encourage researchers and experts to participate in the "Platform Smart Honey Chains" workshop to share their insights and foster interdisciplinary collaborations in the study of Smart Honey Chains, Intelligent and Trustable Traceability Systems for Honey Chains, Smart Apiculture, Platform for Sustainable and Value-Driven Honey Chains.

Keywords: Honey Value Chain, Open Data Platform, Data driven food monitoring and sustainability

### Select the relevant topics below:

- Food value chain
- Sustainable system for Farm-To-Fork
- HACCP Critical Control Measures for Food System
- Intelligent Platforms for Open Farm Data
- Apiculture Ecosystem and Good Practices
- Smart Honey Chains
- Adoption of Intelligent Systems in Agriculture
- Data sharing and architecture for Farm Open Data
- Incentives, Regulations and business model for honey business

## 1. Introduction

## 2. Relevant Work and Method

## 3. Findings

Use the following format for the table  
Table 1. Summary statistics

Time Interval	Genotype* Measurement		Average and Std Dev
	City1	City2	
1	1842.21±185.70	1885.21±185.70	1863.71±131.31 <sup>c*</sup>
2	3189.05±185.70	2761.77±185.70	2975.41±131.31 <sup>b</sup>
3	3660.83±185.70	3705.22±195.75	3683.02±134.91 <sup>a</sup>
4	2318.15±185.70	2944.67±195.75	2631.41±134.91 <sup>b</sup>
5	774.18±195.74	774.26±195.75	774.22±138.41 <sup>d</sup>
6	166.04±195.74	234.84±195.75	200.44±138.41 <sup>de</sup>
7	129.03±195.74	62.50±195.75	95.76±138.41 <sup>e</sup>
Ortalama	1725.64±71.84	1766.92±72.92	1746.28±135.38

\* Statistical significance

## 4. Discussion and Conclusion

### References

- Akyol, E., Yeninar, H., Kaftanoğlu, O., Özkök, D., 2003. Bazı saf ve melez bal arısı genotiplerinin farklı mevsimlerdeki hırçnlık davranışlarının belirlenmesi. *Uludağ Arıcılık Dergisi*, 3 (3): 38-40.
- Bek, Y., Efe, E., 1988. Araştırma ve Deneme Metotları I. Çukurova Üniversitesi Ziraat Fakültesi Ders Kitabı, Balcalı-Adana.
- Brandeburgo, M.A.M., 1990 Aggresive behaviour of bees. *Ciencia e Cultura*, 42 (12): 1025-1034.
- Doğaroğlu, M., 1999. Modern Arıcılık Teknikleri. Anadolu Matbaa, İstanbul.
- Doğaroğlu, M., 1981. Türkiye’de yetiştirilen önemli arı ırk ve tiplerinin Çukurova Bölgesi koşullarında performanslarının karşılaştırılması. Doktora Tezi, Çukurova Üniv. Ziraat Fak. Adana.
- Doğaroğlu, M., 1992. Trakya arıcılığı, sorunları ve çözüm yolları. Trakya Bölgesi 1. Hayvancılık Sempozyumu, 8-9 Ocak, Tekirdağ. s. 165-176.
- Ergün, G., Aktaş, S., 2009. ANOVA modellerinde kareler toplamı yöntemlerinin karşılaştırılması. *Kafkas Univ Vet Fak Derg*, 15 (3): 481-484.
- Erickson, E.H., Miller, H.H., Sikkema, D.J., 1975 A method of seperating and monitoring honeybee flight activity at the hive entrance. *J Apic Res*, 14 (3): 119-125.