

BÖLÜM 11

GIDA GÜVENLİĞİNDE ULUSAL / ULUSLARARASI YASAL SİSTEMLER

*Tuncer ÇAKMAK¹
Yakup Can SANCAK²
Rabia Mehtap TUNCAY³*

1. Giriş

Besinlerin üretiminden tüketimine kadar uygulanan bütün prosesler, besinin niteliğine uygun güvenli bir sistem içerisinde yapılmadığı takdirde fiziksel, kimyasal ve mikrobiyal kontaminasyonlar açısından elverişli bir ortam haline gelmektedir. Böylece kesim/hasat, işleme, depolama ve tüm transport süreçlerinden tüketime kadar olan bütün gıda zinciri boyunca tüketicileri ölümcül de olabilen gıda kaynaklı hastalıklara maruz bırakabilmektedir. Sürekli büyüyen, rekabetçi ve küreselleşen gıda üretiminin tüm dünya genelinde arz ve güvenliğinin sağlanmasına yönelik temel endişeler hala önemini korumaktadır. Bu nedenle tüketicilere güvenli gıda sağlanması için ulusal/uluslararası kurum ve kuruluşlar yoğun bir şekilde faaliyetlerine devam etmektedir.

Gıda güvenliği terimi için kesin bir tanım yapmanın zorluğu nedeniyle iki yüzden fazla farklı şekilde tanımlamanın mevcut olduğu bildirilmektedir. 1996 Dünya Gıda Zirvesi (WFS/World Food Summit) Dünya Gıda Güvenliğine ilişkin Roma Deklarasyonu'nda yapılan gıda güvenliği tanımı en yaygın kabul gören açıklama olup "tüm insanların her zaman aktif ve sağlıklı bir yaşam için beslenme

¹ Dr. Öğr. Üyesi, Van Yüzüncü Yıl Üniversitesi, Veteriner Fakültesi, Besin-Gıda Hijyeni ve Teknolojisi Bölümü, tuncercakmak@yyu.edu.tr, ORCID iD: 0000-0002-9236-8958

² Prof. Dr., Van Yüzüncü Yıl Üniversitesi, Veteriner Fakültesi, Besin-Gıda Hijyeni ve Teknolojisi Bölümü, ycsancak@yyu.edu.tr ORCID iD: 0000-0003-4490-9606

³ Doç. Dr., Van Yüzüncü Yıl Üniversitesi, Veteriner Fakültesi/Besin-Gıda Hijyeni ve Teknolojisi Bölümü, r.m.gunes@yyu.edu.tr, ORCID iD: 0000-0002-3510-5369

Kaynakça

1. FAO (Food and Agriculture Organization). Rome Declaration on World Food Security and World Food Summit Plan of Action: World Food Summit 13-17 November 1996, Rome, Italy. 1996.
2. Chammem N, Issaoui M, De Almeida AID, et al. Food crises and food safety incidents in European Union, United States, and Maghreb Area: current risk communication strategies and new approaches. *Journal of AOAC International*. 2018;101(4): 923-938. <https://doi.org/10.5740/jaoacint.17-0446>
3. CAC (Codex Alimentarius Commission). Codex Alimentarius. Food hygiene: Basic texts, (4th ed.). Rome. 2009. Erişim: <http://www.fao.org/docrep/012/a1552e/a1552e00.htm>. Erişim tarihi: 01/07/2023.
4. Garcia SN, Osburn BI, Jay-Russell MT. One health for food safety, food security, and sustainable food production. *Frontiers in Sustainable Food Systems*. 2020;4: 1. <https://doi.org/10.3389/fsufs.2020.00001>
5. Kotsanopoulos KV, Arvanitoyannis IS. The role of auditing, food safety, and food quality standards in the food industry: A review. *Comprehensive Reviews in Food Science and Food Safety*. 2017;16(5): 760-775. <https://doi.org/10.1111/1541-4337.12293>
6. Martinez MG, Fearn A, Caswell JA, et al. Co-regulation as a possible model for food safety governance: Opportunities for public-private partnerships. *Food Policy*. 2007;32(3): 299-314. <https://doi.org/10.1016/j.foodpol.2006.07.005>
7. Wu F, Rodricks JV. Forty Years of Food Safety Risk Assessment: A History and Analysis. *Risk Analysis*. 2020;40: 2218-2230. <https://doi.org/10.1111/risa.13624>
8. FAO (Food and Agriculture Organization). Scientific Advice. 2023. Erişim: <https://www.fao.org/food-safety/scientific-advice/en/.2023>. Erişim tarihi: 15/07/2023.
9. CAC (Codex Alimentarius Commission). Codex Alimentarius. About Codex Alimentarius. 2023. Erişim: <https://www.fao.org/fao-who-codexalimentarius/about-codex/en/>. Erişim tarihi: 01/07/2023.
10. WHO (World Health Organization). JECFA (Joint FAO/WHO Expert Committee on Food Additives). 2023a. Erişim: [https://www.who.int/groups/joint-fao-who-expert-committee-on-food-additives-\(jecfa\)](https://www.who.int/groups/joint-fao-who-expert-committee-on-food-additives-(jecfa)). Erişim tarihi 15/07/2023
11. WHO (World Health Organization). JEMRA (The Joint FAO/WHO Expert Meetings on Microbiological Risk Assessment). 2023b. Erişim: [https://www.who.int/groups/joint-fao-who-expert-meetings-on-microbiological-risk-assessment-\(jemra\)/about](https://www.who.int/groups/joint-fao-who-expert-meetings-on-microbiological-risk-assessment-(jemra)/about). Erişim tarihi 15/07/2023
12. WHO (World Health Organization). JMPR (The Joint Meeting on Pesticide Residues). 2023c. Erişim: [https://www.who.int/groups/joint-fao-who-meeting-on-pesticide-residues-\(jmpmr\)/about](https://www.who.int/groups/joint-fao-who-meeting-on-pesticide-residues-(jmpmr)/about). Erişim tarihi 15/07/2023.
13. IARC (International Agency for Research on Cancer). About IARC. 2023. Erişim: https://www.iarc.fr/cards_page/about-iarc/. Erişim tarihi: 15/07/2023
14. WHO (World Health Organization). JMPS (Joint Meeting on Pesticide Specifications). 2023d. Erişim: <https://www.fao.org/agriculture/crops/thematic-sitemap/theme/pests/jmps/en/>. Erişim tarihi 15/07/2023.
15. WHO (World Health Organization). JEMNU (The Joint FAO/WHO Expert Meetings on Nutrition). 2023e. Erişim: <https://www.who.int/publications/i/item/9789240000216>. Erişim tarihi 15/07/2023.

16. FSMA (Food Safety Modernization Act): Background on the FDA Food Safety Modernization Act (FSMA), U.S. Department of Health & Human Services/U.S. Food & Drug Administration. 2011.
17. Shrestha RB, Khanal BKS. Improving Food Safety in Agriculture and Food Systems: A Strategic Policy Pathway for 2030 in South Asia. In: Younus A, Rudra Bahadur S, Shaikh Mohammad B, Ashis Kumar S (Eds.), *Food Safety in South Asia Challenge, Opportunity and Policy Perspectives*. 1nd ed. Bangladesh: SAARC Agriculture Centre (SAC) and BSAFE Foundation; 2019. p.8-33.
18. FDA (U.S. Food and Drug Administration). The Food and Drug Administration. United States Department of Health and Human Services, USA. 2023a. Erişim: <https://www.fda.gov/regulatory-information>. Erişim tarihi: 15/07/2023
19. FDA (U.S. Food and Drug Administration). Code of Federal Regulations. Subpart A-General Provisions. § 170.3-170.19 Definitions. 2023b. Erişim: <https://www.ecfr.gov/current/title-21/chapter-I/subchapter-B/part-170/subpart-A>. Erişim tarihi: 15/07/2023
20. EC (European Commission). White Paper on Food Safety; EU Commission: Brussels, Belgium, 2000. Erişim: <https://op.europa.eu/en/publication-detail/-/publication/6d4b523b-dad8-4449-b2b4-9fa9b0d6e2be>. Erişim tarihi: 15/07/2023
21. EU (European Union). EUR-Lex-Food Safety. 2023. Erişim: https://eur-lex.europa.eu/summary/chapter/30.html?expand=3010,3011,3012,301006,301007#arrow_301007. Erişim tarihi: 15/07/2023
22. EC (European Commission). Directorate-General for Communication, Food safety: From farm to fork: Safe and healthy food for everyone. *Publications Office*. 2014. Erişim: <https://data.europa.eu/doi/10.2775/77638>. Erişim tarihi: 01/07/2023.
23. RASFF (Rapid Alert System for Food and Feed). Food and Feed Safety Alerts. 2023. Erişim: https://ec.europa.eu/food/safety/rasff-food-and-feed-safety-alerts_en. Erişim tarihi: 15/07/2023
24. Sorbo A, Pucci E, Nobili C, et al. Food Safety Assessment: Overview of Metrological Issues and Regulatory Aspects in the European Union. *Separations*. 2022;9(2): 53. <https://doi.org/10.3390/separations9020053>
25. EC (European Commission). Regulation (EC) No 178/2002 of the European Parliament and of the Council of 28 January 2002 Laying down the General Principles and Requirements of Food Law, Establishing the European Food Safety Authority and Laying down Procedures in Matters of Food Safety. *Official Journal European Communities L 031: 1-24*. 2002. Erişim: <https://eur-lex.europa.eu/legal-content/EN/ALL/?uri=celex%3A32002R0178>. Erişim tarihi: 01/07/2023.
26. EC (European Commission). Regulation (EC) No 882/2004 of the European Parliament and of the Council of 29 April 2004 on official controls performed to ensure the verification of compliance with feed and food law, animal health and animal welfare rules. 2004a. Erişim: <https://eur-lex.europa.eu/legal-content/EN/ALL/?uri=celex%3A32004R0882>. Erişim tarihi: 01/07/2023.
27. EC (European Commission). Regulation (EC) No 852/2004 of the European Parliament and of the Council of 29 April 2004 on the hygiene of foodstuffs. 2004b. Erişim: <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=celex%3A32004R0852>. Erişim tarihi: 01/07/2023.

28. EC (European Commission). Regulation (EC) No 853/2004 of the European Parliament and of the Council of 29 April 2004 laying down specific hygiene rules for food of animal origin. 2004c. Erişim: <https://eur-lex.europa.eu/legal-content/en/ALL/?uri=CELEX%3A32004R0853>. Erişim tarihi: 01/07/2023.
29. EU (European Union). Regulation (EU) 2017/625 of the European Parliament and of the Council of 15 March 2017 on official controls and other official activities performed to ensure the application of food and feed law, rules on animal health and welfare, plant health and plant protection products, amending Regulations (EC) No 999/2001, (EC) No 396/2005, (EC) No 1069/2009, (EC) No 1107/2009, (EU) No 1151/2012, (EU) No 652/2014, (EU) 2016/429 and (EU) 2016/2031 of the European Parliament and of the Council, Council Regulations (EC) No 1/2005 and (EC) No 1099/2009 and Council Directives 98/58/EC, 1999/74/EC, 2007/43/EC, 2008/119/EC and 2008/120/EC, and repealing Regulations (EC) No 854/2004 and (EC) No 882/2004 of the European Parliament and of the Council, Council Directives 89/608/EEC, 89/662/EEC, 90/425/EEC, 91/496/EEC, 96/23/EC, 96/93/EC and 97/78/EC and Council Decision 92/438/EEC (Official Controls Regulation) (Text with EEA relevance)Text with EEA relevance. 2017. Erişim: <https://eur-lex.europa.eu/legal-content/EN/TXT/HTML/?uri=CELEX:02017R0625-20220128&qid=1689330384573>. 2017. Erişim tarihi: 15/07/2023.
30. EC (European Commission). Directorate-General SANTE. Health and Food Safety. 2023. Erişim: https://commission.europa.eu/about-european-commission/departments-and-executive-agencies/health-and-food-safety_en. Erişim tarihi: Erişim tarihi: 01/07/2023.
31. Giray H, Soysal A. Türkiye’de gıda güvenliği ve mevzuatı. *TSK Koruyucu Hekimlik Bülteni*. 2007;6(6): 485-490.
32. Demirağ K, Yılmaz H. Gıda Güvenliği, Sürdürülebilirliği ve Yerel Yönetimler. *TM-MOB İzmir Kent Sempozyumu (TMMOB 2009)*. İzmir (pp. 647-656.) Erişim: <http://www.tmmobizmir.org/wp-content/uploads/2014/05/200859.pdf>. Erişim tarihi: 15/07/2023
33. RG (Resmi Gazete). 5996 sayılı Veteriner Hizmetleri, Bitki Sağlığı, Gıda ve Yem Kanunu. RG 13 Haziran 2010, 27610. Ankara. 2010. Erişim: <https://www.mevzuat.gov.tr/mevzuatmetin/1.5.5996.pdf>. Erişim tarihi: 15/07/2023
34. Arıkan Y. Küreselleşme Sürecinde Türkiye’de Gıda Güvenliği: Elazığ İli Örneği. Fırat Üniversitesi Sosyal Bilimler Enstitüsü (Yüksek Lisans Tezi). Elazığ. 2021.
35. RG (Resmi Gazete). Cumhurbaşkanlığı Teşkilatı Hakkında Cumhurbaşkanlığı Kararnamesi. RG 10 Temmuz 2018, 30474. Ankara. 2018. Erişim: https://www.tarimorman.gov.tr/PERGEM/Lists/KutuMenu/Attachments/124/ORTAK_KONULAR.pdf. Erişim tarihi: 15/07/2023
36. Chen H, Liu S, Chen Y, et al. Food safety management systems based on ISO 22000:2018 methodology of hazard analysis compared to ISO 22000:2005. *Accreditation and Quality Assurance*. 2020;25(1): 23-37. <https://doi.org/10.1007/s00769-019-01409-4>
37. Stoyanova A, Marinova V, Stoilov D, et al. Food Safety Management System (FSMS) Model with Application of the PDCA Cycle and Risk Assessment as Requirements of the ISO 22000: 2018 Standard. *Standards*. 2022; 2(3): 329-351.

38. CAC (Codex Alimentarius Commission). Guidelines for the application of the Hazard Analysis Critical Control Point (HACCP) system. ALINORM 93/13a, Appendix II. World Health Organisation, Geneva. 1993.
39. Granja N, Domingues P, Cabecinhas M, et al. ISO 22000 certification: Diffusion in Europe. *Resources*. 2021;10(10): 100. <https://doi.org/10.3390/resources10100100>
40. ISO (International Organization for Standardization). ISO 9000-Quality management. 2015. Erişim: http://www.iso.org/iso/iso_9000. Erişim tarihi: 15/07/2023.
41. CAC (Codex Alimentarius Commission). ISO communications. 40th Session. Geneva, Switzerland: CIG, Food and Agricultural Organization of the United Nations. 2017.
42. Panghal A, Chhikara N, Sindhu N, et al. Role of Food Safety Management Systems in safe food production: A review. *Journal of Food Safety*. 2018; 38: e12464. <https://doi.org/10.1111/jfs.12464>
43. Nováková R, Cekanova K, Pauliková A. Integration management system—new of requirements of ISO 9001: 2015 and ISO 14001: 2015 standards. *Production Engineering Archives*. 2016;13(4): 35-40.
44. FAO (Food and Agriculture Organization). Food Standards Programme Codex alimentarius commission procedural manual, 24th edn. Food and Agriculture Organization & World Health Organization, Rome. 2015.
45. Raspor P, Ambrozic M. ISO 22000 food safety. S. Da-Wen (ed.) Handbook of Food Safety Engineering. UK: Wiley Blackwell Publishing; 2011. p. 786-816.
46. Theodoros HV, Ioannis SA. Application of ISO22000 and comparison to HACCP for processing of ready to eat vegetables: Part I. *International Journal of Food Science and Technology*. 2008; 43: 1729-1741.
47. Charlebois S, Juhasz M, Music J, et al. A review of Canadian and international food safety systems: Issues and recommendations for the future. *Comprehensive Reviews in Food Science and Food Safety*. 2021;20(5): 5043-5066. <https://doi.org/10.1111/1541-4337.12816>
48. Cvijanović G, Žuža M. Organic Food: Characteristics, Regulations and Tourism Development Impact. *The Fifth International Scientific Conference*. In: *Tourism International Scientific Conference (TISC 2020)*, 1-5 September 2020, Vrnjačka Banja (pp. 94-111). Erişim: <http://www.tisc.rs/proceedings/index.php/hitmc/article/view/363>. Erişim tarihi: 01/07/2023.