CFSAN Science Publications – 2018

The following is a list of scientific publications, from January 1 – December 31, 2018, with at least one CFSAN author. It was assembled in an effort to share information and to raise awareness about the research being conducted throughout the Center. The list includes journal articles and book chapters. To be included on the list the publication must have become available for the first time during 2018. First availability might have been the date the accepted manuscript was available on-line, the date of e-publication, or the date of hardcopy publication.

Some of the publications represent the collaborative effort of both CFSAN and non-CFSAN researchers. CFSAN scientists collaborate on many different subjects and with many research institutions throughout the world. As a result, the publication often originates from the lead external collaborator and the mission relevance of the publication is not always obvious from the title.

The publications are listed in alphabetical order, by title.

1. **Acrylamide: US FDA Guidance to Industry**, Posnick Robin L, Abt E. In: *Encyclopedia of Food Chemistry*, Eds. Melton L, Shahidi F, Varelis P, Academic Press, 2019: 487-491. http://www.sciencedirect.com/science/article/pii/B9780081005965224426

2. **Advancing Regulatory Science Through Innovation: In Vitro Microphysiological Systems**. Fitzpatrick S, Sprando R; *Cellular and Molecular Gastroenterology and Hepatology,* 2019, **7**(1):239-240. http://www.sciencedirect.com/science/article/pii/S2352345X18301164

3. **Advancing Retail Food Policy Debates: Estimating the Risk of Contaminated Servings of Food Attributed to Employee Food Handling Practices in Retail Food Establishments**. Marasteanu IJ, Liggans G, Otto J, Lasher A; *Journal of Food Protection,* 2018, **81**(12):2034-2039. http://jfoodprotection.org/doi/pdf/10.4315/0362-028X.JFP-18-251

4. **An Agent-Based Model for Pathogen Persistence and Cross-Contamination Dynamics in a Food Facility**. Mokhtari A, Van Doren JM; *Risk Analysis,* 2019, **39**(5):992-1021. https://onlinelibrary.wiley.com/doi/pdf/10.1111/risa.13215

5. **Agricultural Practices Influence *Salmonella* Contamination and Survival in Pre-harvest Tomato Production**. Gu G, Strawn LK, Oryang DO, Zheng J, Reed EA, Ottesen AR, Bell RL, Chen Y, Duret S, Ingram DT, Reiter MS, Pfuntner R, Brown EW, Rideout SL; *Frontiers in Microbiology,* 2018, **9**(2451). https://www.frontiersin.org/articles/10.3389/fmicb.2018.02451/pdf

6. **Alcohols and Glycols**, Stice S, Thrall MA, Hamar DW. In: *Veterinary Toxicology (Third Edition)*, (Chapter 49). Ed. Gupta RC, Academic Press, 2018: 647-657. https://www.sciencedirect.com/science/article/pii/B9780128114100000490

7. **Analysis of Chloramphenicol and Two Metabolites in Crab and Shrimp Following Waterborne Exposure**. Jester ELE, Loader JI, Quintana HAF, Said KRE, Ronald A. Benner J, Abraham A; *Journal of Food Protection,* 2018, **81**(4):677-683. https://jfoodprotection.org/doi/pdf/10.4315/0362-028X.JFP-17-456

8. **Analysis of diglycolic acid in food packaging, over the counter products, direct additive carboxymethyl cellulose, and retail foods**. Young W, DeJager L; *Food Additives & Contaminants: Part A,* 2018, **35**(12):2309–2314. https://www.tandfonline.com/doi/pdf/10.1080/19440049.2018.1529438

9. **Analysis of enterotoxigenic *Bacillus cereus* strains from dried foods using whole genome sequencing, multi-locus sequence analysis and toxin gene prevalence and distribution using endpoint PCR analysis**. Carter L, Chase HR, Gieseker CM, Hasbrouck NR, Stine CB, Khan A, Ewing-Peeples LJ, Tall BD, Gopinath GR; *International Journal of Food Microbiology,* 2018, **284**:31-39. https://www.sciencedirect.com/science/article/pii/S0168160518303210/pdf

10. **Analysis of Gluten in a Wheat-Gluten-Incurred Sorghum Beer Brewed in the Presence of Proline Endopeptidase by LC/MS/MS**. Fiedler KL, Panda R, Croley TR; *Analytical Chemistry,* 2018, **90**(3):2111-2118. https://pubs.acs.org/doi/pdf/10.1021/acs.analchem.7b04371

11. **Analysis of the VIDAS® Staph Enterotoxin III (SET3) for Detection of Staphylococcal Enterotoxins G, H, and I in Foods**. Hait JM, Nguyen AT, TAlent SM; *Journal of AOAC International,* 2018, **101**(5):1482-1489. https://www.ingentaconnect.com/content/aoac/jaoac/2018/00000101/00000005/art00025

12. ***Angiostrongylus* spp. of Public Health Importance**, da Silva A, Mathison BA. In: *Foodborne Parasites*, (Chapter 7). Eds. Ortega YR, Sterling CR, Springer International Publishing, 2018: 139-158. https://link.springer.com/chapter/10.1007%2F978-3-319-67664-7_7

13. **Anisakiasis**, Mathison BA, da Silva A. In: *Foodborne Parasites*, (Chapter 8). Eds. Ortega YR, Sterling CR, Springer International Publishing, 2018: 159-174. https://link.springer.com/chapter/10.1007%2F978-3-319-67664-7_8

14. **Application of a High-Resolution Quadrupole/Orbital Trapping Mass Spectrometer coupled to a Gas Chromatograph for the Determination of Persistent Organic Pollutants in Cow and Human Milk**. Hayward DG, Archer JC, Andrews S, Fairchild R, Gentry J, Jenkins R, McLain M, Nasini U, Shojaee S; *Journal of Agricultural and Food Chemistry,* 2018, **66**(44):11823−11829. https://pubs.acs.org/doi/pdf/10.1021/acs.jafc.8b03721

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16. **Application of Stable Isotope Dilution and Liquid Chromatography Tandem Mass Spectrometry for Multi-Mycotoxin Analysis in Edible Oils**. Zhang K, Xu D; *Journal of AOAC International,* 2019, **102**(6):1651-1656. https://www.ingentaconnect.com/content/aoac/jaoac/2019/00000102/00000006/art00005

17. **Aptamer-mediated colorimetric method for rapid and sensitive detection of chloramphenicol in food**. Yan C, Zhang J, Yao L, Xue F, Lu J, Li B, Chen W; *Food Chemistry,* 2018, **260**:208-212. https://www.sciencedirect.com/science/article/pii/S0308814618306289

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22. **Botulinum Neurotoxin Detection Methods for Public Health Response and Surveillance**. Thirunavukkarasu N, Johnson E, Pillai S, Hodge D, Stanker L, Wentz T, Singh B, Venkateswaran K, McNutt P, Adler M, Brown E, Hammack T, Burr D, Sharma S; *Frontiers in Bioengineering and Biotechnology,* 2018, **6**(80). https://www.frontiersin.org/articles/10.3389/fbioe.2018.00080/pdf

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