The following is a list of scientific publications, from January 1 – December 31, 2017, 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 2017. 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. **Accelerated senescence in skin in a murine model of radiation-induced multi-organ injury.**
   McCart EA, Thangapazham RL, Lombardini ED, Mog SR, Panganiban RAM, Dickson KM, Mansur RA, Nagy V, Kim S-Y, Selwyn R, Landauer MR, Darling TN, Day RM; *Journal of Radiation Research*, 2017, **58**(5):636–646. [https://academic.oup.com/jrr/article-pdf/58/5/636/22933547/rrx008.pdf](https://academic.oup.com/jrr/article-pdf/58/5/636/22933547/rrx008.pdf)

2. **Advancement in Chromatographic and Spectroscopic Analyses of Dietary Fatty Acids**, Mossoba MM, Karunathilaka SR, Chung JK, Srigley CT. In: *Fatty Acids: Chemistry, Synthesis, and Applications*, (Chapter 16). Ed. Ahmad MU, AOCS Press, 2017: 505-528. [http://www.sciencedirect.com/science/article/pii/B9780128095218000179](http://www.sciencedirect.com/science/article/pii/B9780128095218000179)

3. **Advancements in Microarray Utility for Detection and Tracking of Foodborne Microbes in the Genomic Era.** Li B, Patel IR, Tall BD, Elkins CA; *Advanced Techniques in Biology & Medicine*, 2017, **5**(3):1000239. [https://www.omicsonline.org/open-access/advancements-in-microarray-utility-for-detection-and-tracking-of-foodborne-microbes-in-the-genomic-era-2379-1764-1000239.pdf](https://www.omicsonline.org/open-access/advancements-in-microarray-utility-for-detection-and-tracking-of-foodborne-microbes-in-the-genomic-era-2379-1764-1000239.pdf)

4. **Analysis and Characterization of Proteins Associated with Outer Membrane Vesicles Secreted by *Cronobacter* spp.** Kothary MH, Gopinath GR, Gangiredla J, Rallabhandi PV, Harrison LM, Yan QQ, Chase HR, Lee B, Park E, Yoo Y, Chung T, Finkelstein SB, Negrete FJ, Patel IR, Carter L, Sathyamoorthy V, Fanning S, Tall BD; *Frontiers in Microbiology*, 2017, **8**:134. [https://www.frontiersin.org/articles/10.3389/fmicb.2017.00134/pdf](https://www.frontiersin.org/articles/10.3389/fmicb.2017.00134/pdf)

5. **An analysis of *Echinacea* chloroplast genomes: Implications for future botanical identification.** Zhang N, Erickson DL, Ramachandran P, Ottesen AR, Timme RE, Funk VA, Luo Y, Handy SM; *Scientific Reports*, 2017, **7**(1):216. [https://www.nature.com/articles/s41598-017-00321-6.pdf](https://www.nature.com/articles/s41598-017-00321-6.pdf)
6. **Application of next generation sequencing toward sensitive detection of enteric viruses isolated from celery samples as an example of produce.** Yang Z, Mammel M, Papafragkou E, Hida K, Elkins CA, Kulka M; *International Journal of Food Microbiology*, 2017, **261**(Supplement C):73-81. [http://www.sciencedirect.com/science/article/pii/S0168160517303185](http://www.sciencedirect.com/science/article/pii/S0168160517303185)

7. **Approaches toward Identification of Surrogates To Validate Antimicrobial Washes as Preventive Controls for Fresh-Cut Leafy Greens.** Shazer A, Stewart D, Deng K, Tortorello M; *Journal of Food Protection*, 2017, **80**(10):1600-1604. [http://jfoodprotection.org/doi/pdf/10.4315/0362-028X.JFP-17-069](http://jfoodprotection.org/doi/pdf/10.4315/0362-028X.JFP-17-069)

8. **Assessing the effect of oral exposure to *Paenibacillus alvei*, a potential biocontrol agent, in male, non-pregnant, pregnant animals and the developing rat fetus.** Sprando RL, Black T, Olejnik N, Keltner Z, Topping V, Ferguson M, Hanes D, Brown E, Zheng J; *Food and Chemical Toxicology*, 2017, **103**:203-213. [http://www.sciencedirect.com/science/article/pii/S0278691517301023](http://www.sciencedirect.com/science/article/pii/S0278691517301023)

9. **Assessing the genome level diversity of *Listeria monocytogenes* from contaminated ice cream and environmental samples linked to a listeriosis outbreak in the United States.** Chen Y, Luo Y, Curry P, Timme R, Melka D, Doyle M, Parish M, Hammack TS, Allard MW, Brown EW, Strain EA; *PLoS One*, 2017, **12**(2):e0171389. [http://journals.plos.org/plosone/article/file?id=10.1371/journal.pone.0171389&type=printable](http://journals.plos.org/plosone/article/file?id=10.1371/journal.pone.0171389&type=printable)

10. **Assessment of *Listeria monocytogenes* virulence in the *Galleria mellonella* insect larvae model.** Rakic Martinez M, Wiedmann M, Ferguson M, Datta AR; *PLoS One*, 2017, **12**(9):e0184557. [http://journals.plos.org/plosone/article/file?id=10.1371/journal.pone.0184557&type=printable](http://journals.plos.org/plosone/article/file?id=10.1371/journal.pone.0184557&type=printable)

11. **Assessment of the Authenticity of Herbal Dietary Supplements: Comparison of Chemical and DNA Barcoding Methods.** Pawar RS, Handy SM, Cheng R, Shyong N, Grundel E; *Planta Med*, 2017, **83**(11):921-936. [https://www.thieme-connect.de/products/ejournals/pdf/10.1055/s-0043-107881.pdf](https://www.thieme-connect.de/products/ejournals/pdf/10.1055/s-0043-107881.pdf)

12. **Baseline Practices for the Application of Genomic Data Supporting Regulatory Food Safety.** Lambert D, Pightling A, Griffiths E, Van Domselaar G, Evans P, Berthelet S, Craig D, Chandry PS, Stones R, Brinkman F, Angers-Loustau A, Kreysa J, Tong W, Blais B; *Journal of AOAC International*, 2017, **100**(3):721-731. [http://www.ingentaconnect.com/content/aoac/jaoac/2017/000000100/00000003/art00022](http://www.ingentaconnect.com/content/aoac/jaoac/2017/000000100/00000003/art00022)

13. **Benchmark datasets for phylogenomic pipeline validation, applications for foodborne pathogen surveillance.** Timme RE, Rand H, Shumway M, Trees EK, Simmons M, Agarwala R, Davis S, Tillman GE, Defibaugh-Chavez S, Carleton HA, Klimke WA, Katz LS; *PeerJ*, 2017, 5:e3893. [https://peerj.com/articles/3893.pdf](https://peerj.com/articles/3893.pdf)
14. Changing US Population Demographics: What Does This Mean for Listeriosis Incidence and Exposure? Pohl AM, Pouillot R, Van Doren JM; Foodborne Pathogens and Disease, 2017, 14(9):524-530. http://online.liebertpub.com/doi/pdf/10.1089/fpd.2017.2297

15. Characterization and Virulence Potential of Serogroup O113 Shiga Toxin-Producing Escherichia coli Strains Isolated from Beef and Cattle in the United States. Feng P, Delannoy S, Lacher DW, Bosilevac JM, Fach P; Journal of Food Protection, 2017:383-391. http://jfoodprotection.org/doi/pdf/10.4315/0362-028X.JFP-16-325

16. Chemical stability and in chemico reactivity of 24 fragrance ingredients of concern for skin sensitization risk assessment. Avonto C, Wang M, Chittiboyina AG, Vukmanovic S, Khan IA; Toxicology in Vitro, 2018, 46(Supplement C):237-245. http://www.sciencedirect.com/science/article/pii/S088723331730259X

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31. **Conservative Exposure Predictions for Rapid Risk Assessment of Phase-Separated Additives in Medical Device Polymers.** Chandrasekar V, Janes DW, Saylor DM, Hood A, Bajaj A, Duncan TV, Zheng J, Isayeva IS, Forrey C, Casey BJ; *Annals of Biomedical Engineering*, 2018, 46(1):14-24. [https://link.springer.com/content/pdf/10.1007%2Fs10439-017-1931-4.pdf](https://link.springer.com/content/pdf/10.1007%2Fs10439-017-1931-4.pdf)

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