

References

- [1] S. J. J. a. C. James, "Chilling and Freezing of Foods," in *Food Processing: Principles and Applications, Second Edition.* , Grimsby, UK, John Wiley & Sons, Ltd., 2014, pp. 79-105.
- [2] "Impact of Manual Vs Auto Defrost Freezer on Sample Temperature," Helmer Scientific, 2014.
- [3] M. O. 2. Friday, H. o. F. Preservation and (<http://www.world-foodhistory.com/2011/03/history-of-food-preservation.html>), March 2011. [Online]. Available: [world-foodhistory.com/2011/03/history-of-food-preservation.html](http://www.world-foodhistory.com/2011/03/history-of-food-preservation.html)).
- [4] "issue of History Magazine," 2017, Feb./Mar. 2017. [Online]. Available: <http://www.history-magazine.com/refrig.html>.
- [5] [Online]. Available: [www.materials.sandvik](http://www.materials.sandvik.com).
- [6] "History of refrigerators and Freezers," 2017. [Online]. Available: "[http://www.thoughtco.com/history-of-refrigerator-and-freezers-4072564%20\(08/2017\)](http://www.thoughtco.com/history-of-refrigerator-and-freezers-4072564%20(08/2017))".
- [7] P. R. C. G. Krishna Kant Dwivedi, "Performance Enhancement of Household Refrigerators with Cooling of Compressor," 2014.
- [8] B. Pavkovic, "Refrigerants – Part 2:Past, present and future perspectives of refrigerants in air-conditioning applications," *REHVA*, p. 29, 2013.
- [9] T. S. C. L. K. L. wenruney chang, "Implimentation of Inverter Driven Household Refrigerator/Freezer using Hydrocarbon Isobutane for Refrigeration," in *International Refrigeration and Air conditioning*, Purdue, 2008.
- [10] H. Scientific, "Impact of Manual Defrost vs. Auto Defrost Freezers on Sample

Temperature; Helmer Scientific," p. 6, July 2014.

- [11] B. A. O. a. S. J. J. Christian James, "The Use and Performance of Household Refrigerators: A Review," *The Food Science and Food Safety*, vol. 16, p. 173, 2017.
- [12] B. Springer, "Protection of Food with Low Temperatures, and Characteristics of Psychotrophic Microorganisms," *Modern Microbiology, Food Science Text Series*, p. 395, 2005.
- [13] M. R. L. Taylor Wolfram, "Most Common Foodborne Pathogens," *Eat Right-Accademy of Neutrition and dietetics*, 2017.
- [14] L. S. V. D. L. F. M. J. S. B. C. S. P. M. G. a. R. V. T. Paul S. Mead, "Food-Related Illness and Death in the United States," *Centers for Disease Control and Prevention, Atlanta, Georgia, USA*, Vols. Volume 5, Number 5, October 1999.
- [15] "Food Safety and Inspection Service," United State Food and Agriculture, 2013. [Online]. Available: <https://www.fsis.usda.gov/wps/portal/fsis>.
- [16] S. U. S. W. Schmitt M, "Temperature limits of growth, TNase and enterotoxin production of Staphylococcus aureus strains isolated from foods.," *Intl J Food Microbiol* 11:1–19., 1990.
- [17] R. H. G. P. M. T. H. M. L. S. Røssvoll E, " Toxin production and growth of pathogens subjected to temperature fluctuations simulating consumer handling of cold cuts...", *Intl J Food Microbiol* 185:82–92, 2014.
- [18] E. e. a. S. D. E. e. Kathy Brandt, 2017. [Online]. Available: <https://extension.umn.edu/food-service-industry/what-risk-cooling-hot-food>.
- [19] [Online]. Available: <http://www.jayreimer.com/TEXTBOOK/iText/products/0-13-115516->

4/ch1/ch1_s4_2.html. [Accessed 12 11 2018].

- [20] G. K. B. R. S. S. Peck MW, "Clostridium botulinum in vacuum packed (VP) and modified atmosphere packed (MAP) chilled foods. Final Project Report (FSA Project B13006)," Institute of Food Research, Norwich, U.K, 2006.
- [21] E. D. B. P. Onrawee Laguerre*, "Study of domestic refrigerator temperature and analysis of factors affecting temperature: a French survey," *International Journal of Refrigeration*, vol. 25, p. 653–659, 2002.
- [22] L. M. E. L. F. A. L. R. Marklinder IM, "Home storage temperatures and consumer handling of refrigerated foods in Sweden," in *J Food Prot* 67:2570–7, 2004.
- [23] C. F. C. I. E. C. R. C. D. Godwin SL, " A comprehensive evaluation of temperatures within home refrigerators. .," in *Food Prot Trends* 27:16–21, 2007.
- [24] B. P. T. R. George RM, "WRAP - Circular Economy & Resource Efficiency Experts," 2010. [Online]. Available: <http://www.wrap.org.uk/sites/files/wrap/Reducing%20food%20waste%20through%20>. [Accessed 8 03 2019].
- [25] Anon, "refrigerators for household use, their thermometers and other temperature indicating devices," 10 April 2002.
- [26] U. E. I. Administration, " Residential Energy Consumption Survey," 2015.
- [27] M. S. Bhatt, "Domestic refrigerators : Energy Efficiency and field studies," *Science and Industrial Research*, vol. 60, pp. 591-600, 2001.
- [28] H. M. M. R Saidure, "Factors Affecting Refrigerator Freezer Energy Consumption,," *ASTD*, vol. 19, no. 2, pp. 57-67, 2002.

- [29] M. I. H. K. a. H. M. Afroz, " An Experimental Investigation of Door Opening Effect on Household Refrigerator; the Perspective in Bangladesh," *Asian Journal of Applied Sciences*, pp. 7: 79-87, 2014.
- [30] W. Terrell, "Energy Requirements of Refrigerators Due to Door Opening Conditions," in *International Refrigeration and Air Conditioning Conference, Paper 836.*, 2006.
- [31] K. S. K. H. O. P. L. C. Brennan M, "Activity recognition and temperature monitoring (ART) feasibility study," Social Science Research Unit, Food Standards Agency, London, 2013.
- [32] "Refrigerators - Frequently Asked Questions.," [Online]. Available: http://www.energystar.gov/index.cfm?fuseaction=find_a_product.showProductGroup&pgw_code=RF. [Accessed 9 3 2019].
- [33] A. Meier, " Energy use of Ice Making in Domestic Refrigerators," in *ASHRAE Winter Meeting*, February 1996.
- [34] M Siddhartha Bhatt, *Journal of Scientific & Industrial Research*, vol. 60, pp. 591-600, 2001.
- [35] D. F. F. Pradeep Bensal, "Thermal analysis of the defrost cycle in a domestic freezer," *International Journal of Refrigeration*, vol. 33, no. 3, pp. 589-599, 2010.
- [36] "Bright Hub Engineering," [Online]. Available: <https://www.brighthubengineering.com/hvac/51468-types-of-refrigeration-and-air-conditioning-compressors/>. [Accessed 9 3 2019].
- [37] P. Binneberg, E. Kraus and H. and Quack, "Reduction In Power Consumption Of Household Refrigerators By Using Variable Speed Compressors" (2002).*International Refrigeration and Air Conditioning*," in *International*

Refrigeration and Air Conditioning Conference, 2002.

- [38] [Online]. Available: <https://www.slideshare.net/anoops5663/three-phase-bldc-motor>.
- [39] "ReiBot.org," 6 September 2011. [Online]. Available: <https://reibot.org/2011/09/06/a-beginners-guide-to-the-mosfet/>. [Accessed 20 February 2019].
- [40] C. B. T. Götz, "Test procedures, measurements and standards for refrigerators and freezers,," *Wuppertal Institute for Climate, Environment and Energy*, p. 4, 12 2012.
- [41] Md. Imran Hossen Khan and Hasan M.M. Afroz, " An Experimental Investigation of Door Opening Effect on Household Refrigerator; the Perspective in Bangladesh," *Asian Journal of Applied Sciences*, pp. 7: 79-87, 2014.
- [42] [Online]. Available: [<http://refrigerants.danfoss.com/co2/#/>].
- [43] "Housing and Sustainable Urban Development in Sri Lanka," in *National Report for Third United Nations - Conference - Habitat III* , Oct 2016,page 58.