

6 REFERENCES

- [1] “Global Black Pepper Market,” *Global Market Insight*, 2022. [Online]. Available: <https://www.gminsights.com/industry-analysis/global-black-pepper-market#:~:text=How big is the black,and the growing pharmaceutical sector.> [Accessed: 20-Jan-2023].
- [2] “Black Pepper: Health Benefits, Nutrition, and Uses,” *NOURISH by WebMD*, 2022. [Online]. Available: [https://www.webmd.com/diet/health-benefits-black-pepper.](https://www.webmd.com/diet/health-benefits-black-pepper) [Accessed: 02-Jan-2023].
- [3] “Ceylon Pepper From Sri Lanka,” *Srilanka Export Development Board*, 2022. [Online]. Available: [https://www.srilankabusiness.com/spices/about/pepper-cultivation-sri-lanka.html.](https://www.srilankabusiness.com/spices/about/pepper-cultivation-sri-lanka.html) [Accessed: 15-Jan-2022].
- [4] G. K. Jayatunga, “Heat and mass transfer analysis in a spouted bed dryer coupled with a cyclone,” University of Moratuwa, 2019.
- [5] R. H. Perry and D. W. Green, *Perry’s Chemical Engineer’s Handbook*, Eight. New York: McGraw-Hill, 2007.
- [6] J. R. Backhurst, J. H. Harker, J. M. Coulson, and J. F. Richardson, *Coulson & Richardson’s Chemical Engineering-Particle Technology and Separation Process*, Fifth., vol. 2, no. 2. Bath: Bath Press, 2002.
- [7] C. J. Geankoplis, *Transport Processes and Unit Operations*, Third. New Jersey: Prentice-Hall International. Inc., 1993.
- [8] R. E. Treybal, “Mass Transfer Operations.” Mc Graw Hill International Book Company, p. 800, 1981.
- [9] M. E.Fayed and L.Otten, *Handbook of Powder Science and Technology*, Second. New York: Chapman & Hall, 1984.
- [10] T. Hoffmann, A. H. Bedane, M. Peglow, E. Tsotsas, and M. Jacob, “Particle-gas mass transfer in a spouted bed with adjustable air inlet,” *Drying Technology*, vol. 29, no. 3, pp. 257–265, 2011.
- [11] N. F. M. Roslan and A. S. M. Yudin, “Drying process of black pepper in a swirling fluidized bed dryer using experimental method,” *Materials Science and Engineering*, vol. 863, no. 1, 2020.
- [12] J. R.Wetley, C. E. Wicks, R. E. Wilson, and G. L. Rorrer, *Fundamentals of Momentum,Heat,and Mass Transfer*, Fifth Eddi. John Wiley & Sons, 2007.
- [13] D. Zare, D. S. Jayas, and C. B. Singh, “A Generalized Dimensionless Model for Deep Bed Drying of Paddy,” *Drying Technology*, vol. 30, no. 1, pp. 44–51, 2012.
- [14] M. Moradi, M. Niakousari, and A. Etemadi, “Dimensionless modeling of thin layer drying process of Aloe vera gel,” *Iranian Food Science and Technology*, vol. 12, no. 3, pp. 362–370, 2016.
- [15] M. Moradi, S. Azizi, M. Niakousari, S. Kamgar, and A. Mousavi Khaneghah, “Drying of green bell pepper slices using an IR-assisted Spouted Bed Dryer: An assessment of drying kinetics and energy consumption,” *Innovative Food Science and Emerging Technologies*, vol. 60, no. November 2019, pp. 102–280, 2020.
- [16] S. Meesukchaosumran and T. Chitsomboon, “Dimensionless variable groups for the free-fall grain dryer,” *International Journal of Agricultural and Biological Engineering*, vol. 12, no. 4, pp. 197–204, 2019.
- [17] X. Sukunza, R. Aguado, A. Pablos, M. Tellabide, I. Estiati, and M. Olazar, “Mass transfer in conical spouted beds equipped with internal devices,” *Powder Technology*, vol. 410,

- no. August, p. 117850, 2022.
- [18] A. Kmiec, “Simultaneous heat and mass transfer in spouted beds,” *The Canadian Journal of Chemical Engineering*, vol. 53, no. 1, pp. 18–24, 1975.
 - [19] S. Englart, A. Kmiec, and A. Ludwinska, “Heat transfer in sprayed spouted beds,” *Canadian Journal of Chemical Engineering*, vol. 87, no. 2, pp. 185–192, 2009.
 - [20] J. Kucharski and A. Kmiec, “Hydrodynamics, heat and mass transfer during coating of tablets in a spouted bed,” *The Canadian Journal of Chemical Engineering*, vol. 61, no. 3, pp. 435–439, 1983.
 - [21] W. P. Oliveira and J. T. Freire, “Study of the Simultaneous Heat and Mass Transfer During Drying of Liquid Materials in Conical Spouted Beds .,” in *2nd European Thermal-Sciences and 14 UIT National Heat Transfer Conference*, 1996, no. 2.
 - [22] D. Thoenes and H. Kramers, “Mass transfer from spheres in various regular packings to a flowing fluid,” *Chemical Engineering Science*, vol. 8, no. 3–4, pp. 271–283, 1958.
 - [23] M. H. El-Naas, S. Rognon, R. Legros, and R. C. Mayer, “Hydrodynamics and mass transfer in a spouted bed dryer,” *Drying Technology*, vol. 18, no. 1–2, pp. 323–340, 2000.
 - [24] A. S. Mujumdar, *Handbook of Industrial Drying*, Third. Taylor and Francis Group.LLC., 2006.
 - [25] G. Flamant, C. Perrais, A. Mendes, A. Dollet, and C. Ablitzer, “Numerical Simulation of Spouted Bed Reactors using Process Engineering Models: Application to Coal Gasification,” in *The 12th International Conference on Fluidization - New Horizons in Fluidization Engineering*, 2007, p. 9.
 - [26] M. Olazar, G. Lopez, H. Altzibar, and J. Bilbao, “Modelling batch drying of sand in a draft-tube conical spouted bed,” *Chemical Engineering Research and Design*, vol. 89, pp. 2054–2062, 2011.
 - [27] J. M. Coulson, J. F. Richardson, J. R. Backhurst, and J. H. Harker, *Coulson & Richardson ’s Chemical Engineering -Fluid flow, Heat transfer and Mass transfer*, 6th ed. Bath: Bath Press, 1999.
 - [28] J. D. Anderson, *Hypersonic and high-temperature gas dynamics*, 3rd ed. American Institute of Aeronautics and Astronautics., 2006.
 - [29] J.G. Knudsen, “AEC Research and Development Report,” Washington, 1970.