













## REFERENCES

- [1] "Development of solar desiccant humidifier," Research Manufacturing Company of California, Technical progress report, no. 87-14957-1, 1978.
- [2] Dupont M., Celestine B., Nguyen P. H., Merigoux J. and Brandon B., "Desiccant solar air conditioning in tropical climates: I – dynamic experimental and numerical studies of silica gel and activated alumina," *Solar Energy*, vol. 52, pp. 509–17, 1994. DOI: [10.1016/0038-092X\(94\)90658-0](https://doi.org/10.1016/0038-092X(94)90658-0).
- [3] Hamed A. M., "Theoretical and experimental study on the transient adsorption characteristics of vertical packed porous bed," *Renewable Energy*, vol. 37, pp. 525–41, 2002. DOI: [10.1016/S0960-1481\(01\)00112-4](https://doi.org/10.1016/S0960-1481(01)00112-4).
- [4] Kim S., Biswas P. and Mills A. F., "A compact low pressure drop desiccant bed for solar air conditioning applications, II bench scale tests," ASME, *Journal of Solar Energy Engineering*, vol. 107, pp. 120–127, 1985.
- [5] Kabeel A. E., "Adsorption–desorption operations of multilayer desiccant packed bed for dehumidification applications," *Renewable Energy*, vol. 34, pp. 255–265, 2009. DOI: [10.1016/j.renene.2008.04.011](https://doi.org/10.1016/j.renene.2008.04.011).
- [6] Ahmed M. Hamed, "Experimental investigation on the adsorption/desorption processes using solid desiccant in an inclined-fluidized bed," *Renewable Energy*, vol. 30, pp. 1913–1921, 2005. DOI: [10.1016/j.renene.2005.01.001](https://doi.org/10.1016/j.renene.2005.01.001).
- [7] Chih-Hao Chen, Shu-Sheng Maa, Po-Hsun Wua, Yuan-Ching Chiang and Sih-Li Chen, "Adsorption and desorption of silica gel circulating fluidized beds for air conditioning systems," *App. Energy*, vol. 155, pp. 708–718, 2015. DOI: [10.1016/j.apenergy.2015.06.041](https://doi.org/10.1016/j.apenergy.2015.06.041).
- [8] Ramzy K. A., Kadoli R. and Ashok Babu T. P., "Significance of axial heat conduction in non-isothermal adsorption process in a desiccant packed bed," *Int J Therm Sciences*, vol. 76, pp. 68-81, 2014.