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Areas of Interest

My research interest pivots around **sustainable building envelopes** and finding **feasible solutions for a comfortable indoor environment** for commercial, office and residential buildings, while maintaining the efficiency of the solution suitable for **diverse climatic conditions**.

Proposing new façade applications and examining the physics behind them for their successful implementation is one of the goals of my research. Furthermore, as a researcher, the aim is not limited to a **particular location but also to find facades applicability across climates**, to overcome the notion of one global solution.

Publications

Nagdeve, S.S., Manchanda, S. and Dewan, A. (2023). Thermal performance of indirect green façade in composite climate of India. *Building and Environment*, 230, p.109998.

Sharad Nagdeve, S., Manchanda, S., & Dewan, A. (2019). Reimagining Office Building's Facade Post Covid -A Vertical Green System Way. *SPACE Journal* 23(1), 113–124.

Sharad Nagdeve, S., Manchanda, S., & Dewan, A. (2020). Thermal Performance Evaluation of Green Living Walls in Composite Climate. *International Journal of Students' Research in Technology & Management*, 8(4), 8-16. <https://doi.org/10.18510/ijstrtm.2020.842>

Sharad Nagdeve, S., Manchanda, S., & Dewan, A. (2020) Green Facades : A Passive Sustainable Method for Reviving Culture in India. *National Conference Proceedings of CIMA 2020* 978, 106–110.