

Some References and Books as resource material for the course on “Introduction to Indian monsoon Variability, Predictability, and Teleconnections”

On General Circulation and Climate:

1. E.N. Lorenz, 1967: **The Nature and Theory of the general circulation of the atmosphere.** WMO (WMO-NO.218, TP 115).

(Available freely from <http://users.uoa.gr/~pjioannou/historical/Lorenz-1967.pdf>)

2. J.P. Peixoto and A.H.Oort, 1992: **Physics of Climate**, American Inst. Physics, pp 507

3. **‘The general Circulation, Theory, Modeling and Observations’** Proceedings of a NCAR Colloquium, Dr. Maurice L. Blackmon (Ed), Published by NCAR.

On Introduction to Atmosphere

4. **The Physics of Atmospheres** 3rd Edition, John Houghton, Cambridge University Press; 3rd edition (March 25, 2002), 340 pages

For Waves in the Atmosphere and Forced Motion in Tropics

5. **Geophysical Fluid Dynamics** by Joseph Pedlosky, 1979, Springer

An excellent book putting the GFD of atmosphere in a unified framework

6. **Middle Atmosphere Dynamics**, by David Andrews, C. Leovy and James Holton, 1987, Elsevier

An excellent book not only on Waves but also more importantly on ‘Wave mean-flow interactions’ key for understanding the ‘Complexity’ in the climate system

On Tropical Meteorology and Monsoon

7. H. Richl, 1979: **Climate and Weather in the Tropics**, Academic press.

8. C.P. Chang and T.N. Krishnamurti, 1987: **Monsoon Meteorology**, Oxford University Press

9. **Monsoons**, J. Fein, and P. Stephens (Ed), 1987, Am. Met. Society

10. **The Asian Monsoon**, Bin Wang, Springer, 2006

11. Gadgil, S. (2003). **The Indian Monsoon and its variability**. Annual Review of Earth and Planetary Sciences, 31,429-467, <https://doi.org/10.1146/annurev.earth.31.100901.141251>.

12. Webster, P. J., Magana, VO., Palmer, T. N., Shukla, J., Tomas, R. A., Yanai, M. & Yasunari, T. (1998). **Monsoons: Processes, predictability, and the prospects for prediction**. Journal of Geophysical Research,103 (C7), 14,451-14,518.