

Sachin Bhandare

PROFESSIONAL CONSPECTUS:

- Presently working with **Meteodyn Climatology and Dynamics India Private Limited as Director**
 - Involved in Sales of Computational Fluid Dynamics modeling-based software and Wind resource Assesment consulting services.
 - Very good Leadership, Management and Analytical skills
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WORKING DETAILS:

- Working with **Meteodyn** since January 2013.
 - Worked with Wind Resources Department, **Suzlon Energy Limited, Pune** since April 2007.
 - Worked as Research Fellow with climatology & hydrometeorology division, **Indian Institute of Tropical Meteorology (IITM), Pune** from November 2004 to April 2007 (A Research Institute; mainly involved in meteorological & Climate change research)
 - Worked as a Project Assistant on Indo-UK project entitled “Impacts of Climate Change on Water Resources in India” with Climatology and Hydrometeorology Division, **Indian Institute of Tropical Meteorology, Pune** from January 2003 to November 2004.
 - Worked as a Junior Research Fellow with Department of Atmospheric & Space Sciences, University of Pune from October 2001 to December 2002.
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EDUCATIONAL QUALIFICATION:

- **M. Tech. in Atmospheric Science** from Savitribai Phule Pune University, Pune, Maharashtra in 2001
 - **M.Sc. in Physics** from Shivaji University, Kolhapur, Maharashtra in 1999
 - **B.Sc. in Physics** from Shivaji University, Kolhapur, Maharashtra in 1997
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PREVIOUS EXPERIENCE:

Company: Suzlon Energy Limited, Pune

Responsibility : Wind Resource activities

Duration : April 2007- December 2012.

The responsibilities were:

- CFD modeling Sensitivity studies and validation of CFD models.
 - Managing wind power consultant work and performance evaluation of the forecast.
 - Generating report based on forecasting comparison.
 - Validation of Mesoscale data with Observed data
 - Analysis of Meteorological data
 - Wind resource studies on new international markets for wind energy
 - Preparation and review of techno - commercial contracts with consultants.
- During November 2004- April 2007, Worked as a Research Fellow with climatology & hydrometeorology division, **Indian Institute of Tropical Meteorology**, Pune.
- During Jan 2003- November 2004, worked as a project assistant with **Indian Institute of Tropical Meteorology**, Pune for INDO-UK Climate change project. The objective of the research project was to study the impacts of climate change on water resources in India. I had worked on Hydrological model (HYDRA) and PRECIS (UK met office climate change model) model in the context of Climate change studies.
- During October 2001- December 2002, worked as a Junior Research Fellow with **Department of Atmospheric and Space Sciences, University of Pune** on Indian Space Research Organization (ISRO) sponsored project. The title of the project is to study of Atmospheric Boundary Layer over Shriharikotta.

Research Paper/Abstracts:

- **Wind Power Forecasting in India**

Sachin Bhandare, Tomy Chirayath, Suresh Pillai

Above paper has been published in the Journal **In Wind Chronicle**, Jan-April 2008 issue.

- **Estimation of river water discharge by using IBIS- HYDRA model for three major river basins in India.**

S. Bhandare, K. Rupa kumar, N. R. Deshpande

Above paper has been presented in the First Prof. AnanthKrishnan Memorial Conference held at IITM, Pune during 18-19 January, 2004.

- **Low flow estimation over the Krishna river basin in India**

N. R. Deshpande, B.N. Mandal, **S. Bhandare** and K. Rupa kumar

Above paper has been published in the proceedings of the 11th National Symposium on Hydrology held at National Institute of Hydrology, Roorkee in November 2004.

- **Inter Annual Variability of Zonal and Meridional Winds in the Surface Boundary Layer over SHAR**

Makarand A. Kulkarni, **S. Bhandare**, J. R. Kulkarni, K. V. S. Namboodiri, S. Sivaramakrishnan, G.V.Rama and P.N.Sen

Above poster has been presented in National Space Science Symposium held at Bhopal in Feb.2002