

# Prashant Singh

<b>Communication address:</b> <i>D101, Ravindra Regency, Opp. Power House, Balyani Road, Manda, Titwala East, Thane Maharashtra 421605 India</i>	<b>Native address:</b> <i>Post and village: Bahunchara, District – Pratapgarh, Uttar radesh. 230 137, India</i>
<b>Contact:</b> <i>(+91)9870233925/8928886448 prashantsinghprs@gmail.com prashant.singh@physics.mu.ac.in</i>	<b>Personal details:</b> <i>Date of birth: 16th March 1990. Gender : Male. Marital status : Single.</i>

## SKILLS

**Computer knowledge and skills:** Certificate in IT, Linux (Operating System), C, C++, assembly language, FORTRAN, MATLAB, GrADS, R, NCL, CDO.

**Operating Systems:** Windows, Linux, Android

**Languages known:** English, Hindi, Marathi, Nepali, Urdu

**Scientific Models:** WRF with Chem, CMAQ (initial phase), HYSPLIT, AERMOD, Receptor Models.

## EXPERIENCE

### Atmospheric Modeling Analyst (June 2017 – July 2019)

Atmospheric Initiative, ICIMOD, Kathmandu, Nepal.

- + Satellite/Model data assimilation.
- + Radio Occultation vertical profile product generation for HKH.
- + Convection Processes Study.
- + Computational Modeling of Convection schemes. (WRF-Chem)

### Research Scholar (June 2014 - April 2017)

Department of Physics, University of Mumbai, Mumbai, India.

- + Teaching Space Physics to master's students.
- + Develop instrumental setup for Astronomy, Space and Atmospheric Physics lab

### Project Assistant (June 2012 – March 2013)

Observation and Data Analysis Group, Indian Institute of Geomagnetism, Mumbai, India.

- + Research on solar cycle and storms.
- + Climate and Weather system of Sun Earth

+ Analysing geomagnetic data.

## EDUCATION

### PhD (Physics – 2015- Present; Thesis Submitted)

Department of Physics, University of Mumbai, Mumbai, India. (Pursuing)

### Master in philosophy (Atmospheric Physics – 2011 –2013)

Department of Physics, University of Pune, Pune, India. (60%)

### Master of Science (Astronomy and Space Physics– 2009 –2011)

University Department of Physics, University of Mumbai, Mumbai, India. (63.30%)

### Bachelor of Science (Physics with Instrumentation – 2006 –2009)

R J College, University of Mumbai, Mumbai, India. (83.34%)

## PUBLICATION

1. “*Transport of black carbon from planetary boundary layer to free troposphere during the summer monsoon over South Asia*” **P. Singh**, P. Sarawade, B. Adhikary, Atmospheric Research (2019) (IF=4.11)
2. “*Carbonaceous aerosol from open burning and its impact on regional weather in South Asia*” **P. Singh**, P. Sarawade, B. Adhikary, Aerosol and Air Quality Research (2019) (IF=2.58)
3. “*Role of aerosol in Monsoon extreme precipitation event over Himalayan region: case study of Kedarnath flood 2013*” **P. Singh**, P. Sarawade, B. Adhikary, under review Atmosphere (2019) (IF= 2.04)
4. “*Multi-Model Evaluation of Meteorological Drivers, Air Pollutants and Quantification of Emission Sources over the Upper Brahmaputra Basin*” A. Saikia, B. Pathak, **P. Singh**, P. K. Bhuyan and B. Adhikary, Atmosphere (2019) (IF= 2.04)

<b>Dr. Bhupesh Adhikary</b>	<b>Dr. Pradip Sarawade</b>
Senior Air Quality Specialist ,	Assistant Professor,
Water & Air Theme,	Dept. of Physics,
International Centre for Integrated Mountain	University of Mumbai.
Development GPO Box 3226, Kathmandu, Nepal	Mumbai-400098
Email: bhupesh.adhikary@icimod.org	Email: pradip.sarawade@physics.mu.ac.in