

# Curriculum vitae

**Maria Emmanuel**  
**Senior Research Fellow**  
**Atmospheric dynamics Branch**  
**Space Physics Laboratory**  
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## Research Area & Research Interest

Water vapour and associated processes in the troposphere and lower stratosphere region over tropics

## Academic Qualification

- BSc Physics (2006-2009) : St Joseph's college, Devagiri, Calicut-8 (University of Calicut)
- MSc Physics (2009-2011) : St Joseph's college, Devagiri, Calicut-8 (University of Calicut)  
MSc Project title: 'A multi wavelength study of coronal holes'
- Diploma in Computer Applications(2013)

## Experience

2014-present:

Research fellow, Atmospheric Dynamics Branch, SPL, VSSC  
Research Supervisor: Dr. S. V. Sunilkumar

## Fellowships

- GATE 2013
- GATE 2014
- JEST 2014

## Publications in Journals

- ❑ S.V. Sunilkumar, M. Muhsin, **Maria Emmanuel**, Geetha Ramkumar, K. Rajeev, S. Sijikumar. (2016). 'Balloon-borne cryogenic frost-point hygrometer observations of water vapour in the tropical upper troposphere and lower stratosphere over India: First results'. *JASTP*: 140:86–93.

## **Conference presentations**

- ❑ **Maria Emmanuel, S. V.Sunilkumar , M VenkatRatnam and M. Muhsin.** ‘A study on the diurnal variation of atmospheric water vapour over Trivandrum and Gadanki’- NSSS - 2016 at VSSC Trivandrum from 09-12 February 2016.

## **Workshops and seminars attended**

- ✓ Training Course on ' Advanced Statistical Concepts in Atmospheric and Oceanic Sciences ' at INCOIS during February 23-28, 2015
- ✓ National Workshop on "GPS RO Techniques and Applications" at SRM university, Chennai on 16-19 March 2015