

CURRRICULUM VITAE: GOVIND .G. NAMPOOTHIRI



Senior Research Fellow

Planetary Science Branch

Space Physics Laboratory

Vikram Sarabhai Space Centre

Indian Space Research Organisation

Trivandrum-695022, Kerala, India

Email: govindgn9@gmail.com, govind_g@vssc.gov.in

Institution Website: <http://SPL.GOV.IN/>

Date of Birth : 30/05/1990

Gender : Male

Nationality : Indian

Tel. : +91-471-2562104 (O)

+91-9446025662 (M)

EDUCATION

2014-contd : Ph.D Physics (Currently pursuing), Space Physics Laboratory, VSSC, ISRO, Registered in Cochin University of Science and Technology (CUSAT), Kerala, India.

2011-2013 : MSc.Physics (Specialisation in Theoretical High Energy Physics), Hyderabad Central University (HCU), Hyderabad, Telangana, India.

2007-2010 : BSc.Physics, Saint Berchman's College (S.B College), Mahatma Gandhi University, Kottayam, Kerala, India.

RESEARCH EXPERIENCE

2016-contd : Senior Research Fellow (SRF), Planetary Science Branch (PSB), Space Physics Laboratory (SPL) , Vikram Sarabhai Space Center (VSSC), Indian Space Research Organisation (ISRO), kerala, India.

2014-2016 : Junior Research Fellow(JRF), Planetary Science Branch (PSB), Space Physics Laboratory (SPL) , Vikram Sarabhai Space Center (VSSC), Indian Space Research Organisation (ISRO), Kerala, India.

RESEARCH INTERESTS

Solar wind Physics : Solar Coronal heating , Evolution of the solar wind in the interplanetary space, Role of suprathermal electrons in the non-Maxwellian high energy tails in the Electron Velocity Distribution Functions (EVDs) of the solar wind, Kinetic theory of the solar wind, Solar wind particle acceleration,. Solar wind disturbances generated by solar transient events [coronal mass ejections (CMEs) and solar flares] in interplanetary space.

ACADEMIC AWARDS AND FELLOWSHIPS

- Qualified National Graduate Aptitude Test in Engineering (GATE-2015) in Physics conducted by Ministry of Human Resource Development (MHRD), Government of India.
- Awarded Junior Research Fellowship (JRF-2014) conducted by Space Physics Laboratory (SPL), Indian Space Research Organisation (ISRO), Department of Space (DOS), Government of India.
- Awarded post graduate fellowship (2011) conducted by Hyderabad Central University (HCU), MHRD, Government of India.
- Qualified Joint Admission Merit test (JAM-2011) in Physics conducted by MHRD, Government of India.
- Qualified Joint Admission Merit test (JAM-2010) in Geophysics conducted by MHRD, Government of India.
- Awarded three year diploma in value education (2010) conducted by Archdiocese of Changanacherry & Department of Human Resource Development (HRD) , Saint Berchman's College, Changanacherry, Kerala.
- Awarded first prize in all Kerala inter-collegiate astronomy quiz competition organised by Academy of Physics Teachers (APT) in connection with International Year of Astronomy (IYA-2009), Sponsored by Kerala State Council for Science, Technology and Environment held at Cochin University of Science and Technology (CUSAT), Kerala.

WORKSHOPS AND CONFERENCES

- Poster presentation in the *Dynamic Sun : 1. Conference, 22-26 February 2016*, Varanasi, India, Organised by Department of Physics, Indian Institute of Technology (IIT-BHU), Varanasi & Space Systems Laboratory (SSL), The Solar Physics and Space Plasma research Centre, The University of Sheffield, UK.
- Poster presentation in the *National Space Science Symposium (NSSS-2016), 9-12 February 2016*, Trivandrum, India, Organised by Space Physics Laboratory (SPL), Vikram Sarabhai Space Centre (VSSC), Indian Space Research Organisation (ISRO), Trivandrum, India.
- *Workshop on Solar Astrophysics, 19-20 January, 2015*, held at regional Science Centre & Planetarium, Calicut & Providence Women's College, Calicut with support from Inter University Centre for Astronomy & Astrophysics (IUCAA), Pune, India.

- SCOSTEP – ISWI International Workshop on Space Science, 07-17 November 2017, Sangli, Maharashtra.
- 35th annual meet of Astronomical Society of India (ASI) , March 06-10 ,2017, Birla Science Centre, Jaipur, Rajasthan.
- Oral presentation in the PLSAMA-2017 conference organized by Plasma Science Society of India (PSSI), 07-10 November, 2017, Institute for Plasma Research (IPR), Gandhinagar.

CONFERENCE PROCEEDINGS AND PUBLICATIONS

1. “*Study of Radial Distribution of the Electron Velocity Distribution Function from Sun to Earth.*”, Govind G.Nampoothiri, R. Satheesh Thampi and Anil Bhardwaj., Dynamics Sun: 1. MHD Waves and Confined Transients in the Magnetised Atmosphere (2016).(Page No.127)
2. “*A novel technique for the characterization of low energy electron beam under high vacuum conditions.*”, R. Satheesh thampi, Alaka Ann, Vipin K Yadav, GovindG.Nampoothiri, Abhishek J.K, Aneesh A.N and Anil Bhardwaj.,29th National Symposium on Vacuum Technology and its application to Electron Beams(IVSNS-2015).,(Page No.89-92).
3. “*Electron velocity distribution functions in the solar wind at 1 AU during solar transient events.*”, Govind.G.Nampoothiri, J.K. Abhishek, R. Satheesh Thampi, Anil Bhardwaj and L.B.Wilson III, PLASMA-2017., 32nd PSSI Meeting.(Page No. 514-515).
4. “*Probing the heliosphere using in-situ payloads on-board Aditya-L1* ”, 2017, *Current Science (doi:10.18520/cs/v113/i04/620-624)*., Janardhan, P., Santosh Vadawale, Bhas Bapat, Subramanian, K. P., Chakrabarty D., Prashant Kumar, Aveek Sarkar, Nandita Srivastava, Satheesh Thampi R., Vipin K. Yadav, Dhanya M. B., Govind G. Nampoothiri, Abhishek J. K., Anil Bhardwaj and Subhalakshmi K.