



Dr. Rohit Srivastava

Curriculum Vitae

National Centre for Polar and Ocean Research (NCPOR)
Ministry of Earth Sciences
Govt. of India
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Present Position

December 2018 - **Scientist D**, Arctic Ocean - Atmospheric Studies Department, National Centre for Polar and Ocean Research (NCPOR), Ministry of Earth Sciences, Govt. of India, Vasco-da-Gama, Goa, India, www.ncpor.res.in.
Continue

Past Position

May 2012 – **Assistant Professor**, Indian Center for Climate and Societal Impacts Research (ICCSIR), Mandvi, Kachchh, Gujarat, India, www.iccsir.org.
December 2018
August 2014 – **Guest Faculty**, Government Science College, Mandvi, Kachchh, Gujarat, India.
March 2018
September 2011– **Post Doctoral Fellow**, Space & Atmospheric Sciences Division, Physical Research Laboratory (PRL), Navrangpura, Ahmedabad, Gujarat, India, www.prl.res.in.
April 2012

Education

July 2006–July 2012 **Doctor of Philosophy (Ph.D.)**, Physical Research Laboratory (PRL), Ahmedabad, / Mohanlal Sukhadia University, Udaipur, Rajasthan, India, (*Thesis submitted in September, 2011 and degree awarded in July 2012*).

- 2003–2005 **Master of Science (M.Sc.)**, in *Physics*, Aligarh Muslim University, Aligarh, India, with *1st division* (73.29%).
- 2001–2003 **Bachelor of Science (B.Sc.)**, in *Physics, Chemistry and Mathematics*, Dr. R. M. L. Avadh University, Faizabad, U.P., India, with *1st division* (74.55%).
- 1999–2000 **Intermediate (XII)**, in *Hindi, English, Physics, Chemistry and Mathematics*, U.P. Board, Allahabad, U.P., India, with *1st division* (73.4%).
- 1997–1998 **High School (X)**, in *Hindi, English, Science, Biology, Social Science and Mathematics*, U.P. Board, Allahabad, U.P., India, with *1st division* (71.0%).

Doctoral Thesis

- Title *Spectral aerosol optical depths and radiative forcing : Seasonal and spatial variations*
- Description This thesis explored the differences in model derived and measured atmospheric aerosol forcing. In addition role of different compositional mixing state of aerosols on earth-atmospheric radiation balance over an urban location, populated and polluted region and environmentally distinct locations over the globe were investigated.

Research Experience

- Research on weather research and forecast models and regional climate models (*viz.*, WRF-CHEM and RegCM) regarding the chemical and physical parameterizations of aerosols in the models.
- Research on optical and radiative properties of aerosols.
- Research on remote sensing data of aerosols (*viz.*, MODIS, MISR, OMI and CALIPSO).
- Research on mixing states of aerosols and their impacts on aerosol radiative forcing and heating rate.
- Study of decadal Climate variability (*viz.*, Pacific decadal oscillation, tropical Atlantic sea-surface temperature (SST) gradient (TAG) and Atlantic Multidecadal Oscillation (AMO)) and their predictability in different models in CMIP5 (Coupled Model Inter-comparison Project Phase 5).
- Research on the influence of decadal climate variability on south-west Indian monsoon,
- Research on observation rainfall data and their uncertainty.

Masters and pre-Ph.D. Projects

- Title : A Study of transport mechanism in electron doped Manganites.
- Title : Generation and Control of Optical Tweezer.

Fellowships and Awards

- September 2011 – April 2012 Post Doctoral Fellow (P.D.F) by Physical Research Laboratory (PRL), Ahmedabad, India
- July 2008 – September 2011 Senior Research Fellowship (SRF) by Physical Research Laboratory (PRL), Ahmedabad, India
- July 2006 – June 2008 Junior Research Fellowship (JRF) by Physical Research Laboratory (PRL), Ahmedabad, India
- December 2005 Council for Scientific & Industrial Research (CSIR) - JRF (National Eligibility Test, NET) conducted by CSIR-UGC (Joint) qualified in Physical Science (Code-05)
- June 2005 National Eligibility Test, NET conducted by CSIR- UGC (Joint) qualified in Physical Science (Code-05)
- 2003 – 2005 Postgraduate Merit Scholarship by Aligarh Muslim University, Aligarh, India

Technical Skills (Computer)

- Operating Systems: Linux, Windows, and Working experience on High Performance Computing Clusters (HPC)
- Languages: FORTRAN 77, C with parallel (MPI and OPEN-MP) computing, python, and Linux shell script
- Computational and plotting packages: Matlab with statistical and parallel computing tools, Hysplit model, Grads and Grace
- Satellite Data: Good experience in hdf and netcdf file format data handling
- Other packages: L^AT_EX, Office (Microsoft and open)
- Parallelized radiative transfer model on HPC with 24 processors using Open MP and MPI, this parallelization has reduced the execution time by an order of magnitude when compared to serial mode

Sponsored Scientific Project

- 2011 – 2016 Investigator of Indo-UK project entitled “South Asian Precipitation: A Seamless Assessment: SAPRISE” funded by Ministry of Earth Sciences (MoES), under the Indo-UK Changing Water Cycle Programme (MoES/NERC/16/02/10 PC-II), Project Cost: INR 35.11 Lakhs.
- 2014 – 2017 Principal Investigator (PI) of project entitled “Investigation of the role of black carbon on aerosol radiative forcing over western India” funded by Department of Science and Technology (DST), Govt. of India (SR/S4/AS-107/2012), Project Cost: INR 16.9 Lakhs.

Research Students

- April 2014 to February, 2017 Mr. Sherin Hassan Bran, Presently Research Assistant at National Astronomical Research Institute of Thailand, Chiang Mai, Thailand. www.narit.or.th/en/
- January 2014 to December 2018 Mr. Shouvik Jha, Presently Senior Consultant - GIS at Amnexus Infotechnologies Pvt. Ltd, Ahmedabad, India. <https://www.amnexus.com>

Expedition

- June 25, 2019 to July 25, 2019 Indian Arctic Expedition, summer batch - 02 (as station leader), organized by National Centre for Polar and Ocean Research (NCPOR), India.

Campaigns

- December 27, 2008 to January 31, 2009 Ship cruise as part of winter campaign of Integrated Campaign for Aerosols, gases and Radiation Budget (WICARB) over Bay of Bengal, organized by Indian Space Research Organization (ISRO), India.
- October 28 to November 17, 2010 Ship cruise (SK 277) campaign for aerosol optical physical properties measurements over Bay of Bengal during post-monsoon, organized by Ministry of Earth Sciences, Government of India.

Membership of professional bodies

- Lifetime member Indian Aerosol Science and Technology Association (IASTA), India
- Lifetime member Indian Society of Remote Sensing (ISRS), India
- Lifetime member Indian Meteorological Society (IMS), India
- 2011 - 2012 American Geophysical Union (AGU), U.S.A.
- 2019 - Continue Member of Atmosphere Working Group (AWG) of International Arctic Science Committee (IASC)

Publications

Google Scholar Profile: <https://scholar.google.co.in/citations?user=CBtAkLAAAAAJ&hl=en>

Scopus profile ID: [57002096700](#)

ORCID (Open Researcher and Contributor ID): [0000-0002-1552-9156](#)

Publication Statistics

Citation indices	Since 2011 (as on December, 2020)
Citations	323 (as per Scopus)
h-index	9 (as per Scopus)
i10-index	10 (as per Google Scholar)

Peer-reviewed Journal

1. *Enhanced dust influx to South Atlantic sector of Antarctica during the late-20th century: Causes and contribution to radiative forcing*, C. M. Laluraj, W. Rahaman, M. Thampan, and **Rohit Srivastava** *Journal of Geophysical Research: Atmospheres*, 125, e2019JD030675, DOI: [10.1029/2019JD030675](#), 2020 (Impact Factor : 3.63)
2. *Impact of drought on vegetation carbon storage in arid and semi-arid regions*, Shouvik Jha, and **Rohit Srivastava**, *Remote Sensing Applications: Society and Environment*, 11, 22–29, DOI: [10.1016/j.rsase.2018.04.013](#), 2018 (Student is 1st and corresponding author)
3. *Impact of dynamical and microphysical schemes on black carbon prediction in a regional climate model over India*, **Rohit Srivastava** (1st and corresponding author) and S. H. Bran, *Environmental Science and Pollution Research*, 25, 15, 14844–14855, DOI: [10.1007/s11356-018-1607-0](#), 2018 (Impact Factor: 2.741)
4. *Investigation of optical and radiative properties of aerosols during an intense dust storm: A regional climate modeling approach*, S. H. Bran, S. Jose and **Rohit Srivastava**, *Journal of Atmospheric and Solar-Terrestrial Physics*, 168, 21–31, DOI: [10.1016/j.jastp.2018.01.003](#), 2018 (Impact Factor: 1.326) (Student is 1st and corresponding author).
5. *Investigation of PM_{2.5} mass concentration over India using a regional climate model*, S. H. Bran, and **Rohit Srivastava**, *Environmental Pollution*, 224, 484–493, DOI: [10.1016/j.envpol.2017.02.030](#), 2017 (Impact Factor: 5.099) (Student is 1st and corresponding author).
6. *Trends in aerosol optical properties over South Asia*, **Rohit Srivastava**, *International Journal of Climatology*, 37, 1, 371 – 380, DOI: [10.1002/joc.4710](#), 2017 (Impact Factor:

3.76).

7. *Spatio-temporal variations of black carbon and optical properties in regional climate model*, **Rohit Srivastava** (*1st and corresponding author*), and S. H. Bran, *International Journal of Climatology* 37, 3, 1432 – 1443, DOI: [10.1002/joc.4787](https://doi.org/10.1002/joc.4787), 2017 (Impact Factor: 3.76).
8. *Aerosol mixing over urban region: Radiative effects*, **Rohit Srivastava** (*1st author*), S. Ramachandran, and T.A. Rajesh, *Quarterly Journal of Royal Meteorological Society*, 142, 697, 1732–1744, DOI: [10.1002/qj.2769](https://doi.org/10.1002/qj.2769), 2016 (Impact Factor: 3.444) (*Paper from Ph.D. Thesis work*).
9. *Mixing states of aerosols over four environmentally distinct atmospheric regimes in Asia: Coastal, urban, and industrial locations influenced by dust*, S. Ramachandran, and **Rohit Srivastava**, *Environmental Science and Pollution Research*, 23, 11109 – 11128, DOI: [10.1007/s11356-016-6254-8](https://doi.org/10.1007/s11356-016-6254-8), 2016 (Impact Factor: 2.741) (*Paper from Ph.D. Thesis work*).
10. *Long-term changes in the within-season temporal profile of Southwest Monsoon over Western India*, S. Bhandari, **Rohit Srivastava** (*Corresponding author*) and V. Mehta, *Journal of Earth System Science*, 125, 7, 1313 – 1319, DOI: [10.1007/s12040-016-0736-4](https://doi.org/10.1007/s12040-016-0736-4), 2016 (Impact Factor: 0.955).
11. *Absorbing and scattering aerosols over the source region of biomass burning emissions: Implications in the assessment of optical and radiative properties*, A. Singh, **Rohit Srivastava**, N. Rastogi, D. Singh, *Atmospheric Environment*, 127, 61– 68, DOI: [10.1016/j.atmosenv.2015.12.029](https://doi.org/10.1016/j.atmosenv.2015.12.029), 2016 (Impact Factor: 3.629).
12. *Observational Challenges in Evaluating Climate Models*, M. Collins, K. AchutaRao, K. Ashok, S. Bhandari, A. K. Mitra, S. Prakash, **Rohit Srivastava**, A. Turner, *Nature Climate Change*, 3 (11), 940 – 941, DOI: [10.1038/nclimate2012](https://doi.org/10.1038/nclimate2012), 2013 (Impact Factor: 19.304).
13. *The mixing state of aerosols over the Indo-Gangetic Plain and its impact on radiative forcing*, **Rohit Srivastava** (*1st and corresponding author*) and S. Ramachandran, *Quarterly Journal of the Royal Meteorological Society*, 139, 137 – 151, DOI: [10.1002/qj.1958](https://doi.org/10.1002/qj.1958), 2013 (Impact Factor: 3.444) (*Paper from Ph.D. Thesis work*).
14. *Influences of external vs. core-shell mixing on aerosol optical properties at various relative humidities*, S. Ramachandran and **Rohit Srivastava**, *Environmental Science: Processes & Impacts*, 15, 1070 – 1077, DOI: [10.1039/C3EM30975D](https://doi.org/10.1039/C3EM30975D), 2013 (Impact Factor: 2.592) (*Paper from Ph.D. Thesis work*).

15. *Aerosol optical depth trends over different regions of India*, S. Ramachandran, Sumita Kedia, and **Rohit Srivastava**, *Atmospheric Environment*, 49, 338 – 347, [10.1016/j.atmosenv.2011.11.017](https://doi.org/10.1016/j.atmosenv.2011.11.017), 2012 (Impact Factor: 3.629).
16. *Aerosol absorption over Bay of Bengal during winter : Variability and Sources*, Sumita Kedia, S. Ramachandran, T. A. Rajesh and **Rohit Srivastava**, *Atmospheric Environment*, 54, 738 – 745, [DOI: 10.1016/j.atmosenv.2011.12.047](https://doi.org/10.1016/j.atmosenv.2011.12.047), 2012 (Impact Factor: 3.629).
17. *Contribution of natural and anthropogenic aerosols to optical properties and radiative effects over an urban location*, S. Ramachandran, **Rohit Srivastava**, Sumita Kedia and T.A. Rajesh, *Environmental Research Letters*, 7 (034028), [DOI:10.1088/1748-9326/7/3/034028](https://doi.org/10.1088/1748-9326/7/3/034028), 2012 (Impact Factor: 4.404).
18. *Aerosol radiative forcing deduced from observations and models over an urban location and sensitivity to Single Scattering Albedo*, **Rohit Srivastava** (First and corresponding author), S. Ramachandran, T. A. Rajesh and S. Kedia, *Atmospheric Environment*, 45, 6163 – 6171, [DOI: 10.1016/j.atmosenv.2011.08.015](https://doi.org/10.1016/j.atmosenv.2011.08.015), 2011 (Impact Factor: 3.629) (Paper from Ph.D. Thesis work).

Peer-reviewed conference proceedings :

- *Investigation of an intense dust storm event over Arabian sea*, Sherin Hassan Bran, S. Jose, and **Rohit Srivastava**, *Indian Aerosol Science and Technology Association Bulletin*, 22, (1–2), ISSN: 0971-4510, 317–319, 2016.
- *Aerosol Mixing States over Central Himalayan Region*, **Rohit Srivastava**, *Indian Aerosol Science and Technology Association Bulletin*, 21, (1–2), ISSN: 0971-4570, 67–68, 2014.
- *Spatial Variation of Black Carbon and its climatic implication over western and northern Indian regions*, **Rohit Srivastava**, and Sherin Hassan Bran, *Indian Aerosol Science and Technology Association Bulletin*, 21, (1–2), ISSN: 0971-4570, 548–549, 2014.
- *Aerosol variability over south-western Himalayan region*, Mudit Mishra, Mohd. Kameran, S. Sood and **Rohit Srivastava**, *Indian Aerosol Science and Technology Association Bulletin*, 21, (1–2), ISSN: 0971-4570, 409–410, 2014.
- *Aerosol optical properties during biomass burning period of south-western Himalayan forest region*, **Rohit Srivastava** and Satyendra Bhandari, *Vayumandal*, 38 (1–4), 2012.
- *Aerosol optical and radiative properties during intense dust storm of March 2012 : A 4- D characterization*, **Rohit Srivastava** and S. M. Bhandari, *Indian Aerosol Science and Technology Association Bulletin*, 20, (1–2), ISSN: 0971-4570, 535-537, 2012.
- *Aerosol Radiative Forcing over an urban location: Observations and Model estimates*,

Rohit Srivastava and S. Ramachandran, Indian Aerosol Science and Technology Association Bulletin, 19, (1–2), ISSN: 0971-4570, 387–389, 2010.

Reviewers of the Journals

- Atmospheric Environment (AE)
- Atmospheric Research (AR)
- Environmental Science: Processes & Impacts
- Environmental Science and Pollution Research (ESPR)
- International Journal of Climatology (IJOC)
- Journal of Aerosol Science
- Journal of Earth System Science (JESS)
- The Scientific World Journal

Seminar Organized

January 05, 2013 Convened a seminar on “Challenges in Climate Research” for the university professors and research scholars at Indian Centre for Climate and Societal Impacts Research, Ahmedabad, India

Public Articles

September 13, 2018 A Case for Making Seaweed Farming and Mangroves an Integral Part of India’s Blue Economy Initiatives” authored by Mukul Asher, Souvik Jha and Rohit Srivastava, published at MyIndMakers, www.myind.net/Home/viewArticle/a-case-for-making-seaweed-farming-and-mangroves-an-integral-part-of-indias-blue-economy-initiatives

Presentations at Conferences/ Symposiums/ Seminars

International Conferences

1. Oral presentation entitled “Investigation of aerosols over the marine region in Arctic using a regional climate model”, at International Conference on Frontiers in Marine Science - Challenges and Prospects (MARICON-2019) on December 16 to 20, 2019 at Cochin University of Science and Technology (CUSAT), Cochin, Kerala, India.
2. Invited presentation entitled “Weather forecasting for Sustainable Agriculture”, at United Nation (UN) Climate Change Conference (COP - 22), on November 09, 2016 at Marrakech, Morocco.
3. Invited presentation entitled “Role of weather forecasting in arena of Climate change”, at International Conference on Food, Water, Energy Nexus in Arena of Climate Change, during December 14 - 16, 2016 at Anand Agricultural University (AAU), Anand, Gujarat, India.

4. Oral presentation entitled “Application of GIS and Remote Sensing for Sustainable Agriculture in Rukmavati River Basin of Kachchh, Gujarat”, International Symposium on New-Dimensions in Agrometeorology for Sustainable Agriculture (NASA-2014), during 16 - 18 October, 2014, GBPUA & T University, Pantnagar, India.
5. Poster presentation entitled “Mixing state of aerosols over the Indo-Gangetic Plain: Radiative forcing and heating rate” American Geophysical Union Fall Meeting, during December 03 - 07, 2012, Miscone Centre, San Fransisco, U.S.A.
6. Oral presentation entitled “Spectral aerosol optical and radiative properties : Influence of aerosol mixing state”, Second International workshop on Spectroscopic signatures of molecular complexes/ions in our atmosphere and beyond, (Focused on Climate Change), during February 07 - 10, 2012, Banaras Hindu University, Varanasi, India.
7. Poster presentation entitled “Spatio-temporal variations in aerosol optical and radiative properties : State of mixing”, Challenges and opportunities in Air Pollution and Climate Change (CHOP-C), Indian Institute of Tropical Meteorology, Pune, India during January 16-18, 2012.
8. Poster presentation entitled “Aerosol mixing state and its effect on optical and radiative properties over an urban region”, World Climate Research Program (WCRP) Open Science Conference, October 24 - 28, 2011, Denver, Colorado, USA.
9. Oral presentation entitled “Modeling of optical characteristics of urban aerosols: External and internal mixing”, Asia Oceania Geosciences Society (AOGS), Annual meeting, July 5 - 9, 2010, Hyderabad International Convention Centre, India.
10. Poster presented on “Spectroradiometric Measurement of Aerosol Optical Depths over Ahmedabad and Mt. Abu” at International Symposium on Aerosol - Chemistry - Climate Interactions (ACCLINT-2007), during November 20 - 22, 2007, Physical Research Laboratory, Ahmedabad, India

National Conferences/ workshop

11. Oral presentation entitled “Variations in Black carbon aerosol over the Arctic region using a regional climate model”, National Conference on Polar Sciences (NCPS)-2019, during August 20 - 22, 2019 at National Centre for Polar and Ocean Research, Vasco-da-Gama, Goa, India.
12. Oral presentation entitled “Investigation of the role of microphysical parameterizations on precipitation and black carbon prediction in regional climate model”, TROPical ME-Teorology (TROPMET) 2018 Symposium organized by Indian Meteorological Society (IMS), during, October 24 - 27, 2018, Banaras Hindu University (BHU), Varanasi, India.

13. Poster presentation entitled “Aerosol (PM_{2.5}) mass concentration over the Indian sub-continent”, at National Symposium on Tropical Meteorology (TROPMET) - 2016 Symposium, during December 18 - 21, 2016 at Siksha O’ Anusandhan University, Bhubaneswar, Odisha, India.
14. Oral presentation entitled “Investigation of influence of decadal climate variability on Southwest Indian monsoon in CMIP5 simulations”, National Space Science Symposium (NSSS) - 2016, during 09 - 12 February, 2016, Space Physics Laboratory, Vikram Sarabhai Space Centre, Thiruvananthapuram, Kerala, India.
15. Poster presentation entitled “Investigation of role of physical and dynamical parameterizations on meteorology and aerosol properties in WRF-CHEM over Indian region”, National Space Science Symposium (NSSS) - 2016, during 09 - 12 February, 2016, Space Physics Laboratory, Vikram Sarabhai Space Centre, Thiruvananthapuram, Kerala, India.
16. Poster presentation entitled “Study of cloud microphysical properties over central India”, National Space Science Symposium (NSSS) - 2016, during 09 - 12 February, 2016, Space Physics Laboratory, Vikram Sarabhai Space Centre, Thiruvananthapuram, Kerala, India.
17. Oral presentation entitled “Seasonal and spatial variations of black carbon over Indian region”, TROPical METeorology (TROPMET) 2015 Symposium organized by Indian Meteorological Society (IMS), during, February 15 - 18, 2015, Punjab University, Chandigarh, India.
18. Oral presentation entitled “Aerosol Mixing States over Central Himalayan Region”, Conference of Indian Aerosol Science and Technology Association, during November 11 - 13, 2014, Banaras Hindu University (BHU), Varanasi, India.
19. Poster presentation entitled “Spatial Variation of Black Carbon and its climatic implication over western and northern Indian regions”, Conference of Indian Aerosol Science and Technology Association, during November 11 - 13, 2014, Banaras Hindu University (BHU), Varanasi, India.
20. Poster presentation entitled “Aerosol variability over south-western Himalayan region”, Conference of Indian Aerosol Science and Technology Association, during November 11 - 13, 2014, Banaras Hindu University (BHU), Varanasi, India.
21. Poster presentation entitled “Southwest Indian monsoon variability on decadal timescales associated with variabilities in the Pacific and Atlantic regions”, National Space Science Symposium (NSSS) - 2014, during January 29 – February 1, 2014, Dibrugarh University,

Dibrugarh, Assam, India.

22. Oral presentation entitled “Aerosol optical and radiative properties during intense dust storm of March 2012 : A 4-D characterization” Conference of Indian Aerosol Science and Technology Association, during December 11 - 14, 2012, Navi Mumbai, India.
23. Oral presentation entitled “Aerosol optical properties during biomass burning period of south western Himalayan forest” TROPMET 2012 organized by Indian Meteorological Society (IMS), during, November 20 - 22, 2012, Indian Institute of Remote Sensing (IIRS), Dehradun, India.
24. Oral presentation entitled “Measured and modeled aerosol radiative forcing over an urban location”, National Space Science Symposium, during February 14 - 18, 2012, S. V. University, Tirupati, India.
25. Oral presentation entitled “Aerosol Radiative Forcing over an urban location: Observations and Model estimates”, Conference of Indian Aerosol Science and Technology Association, during March 24 - 26, 2010, Bose Institute, Darjeeling, India.
26. Poster presentation entitled “Seasonal variations in aerosol vertical profiles over India” at National Space Science Symposium (NSSS 2010), Saurashtra University, Rajkot, Gujarat during February 24 - 27, 2010.
27. Poster presented on “Post Monsoon Spectral Optical Depth Features using High Resolution Spectroradiometer over Urban and Remote Locations” during February 26 - 29, 2008, at National Space Science Symposium (NSSS - 08), RAC, Ooty, India.

Participation in International/ National Training Program

28. Attended São Paulo Summer School on Global Climate Modeling during 3 - 14 October, 2011 organized by National Institute for Space Research (INPE), Brazil held at Ubatuba, São Paulo, Brazil.
29. Subject expert for workshop entitled “Capacity building workshop on Climate Modeling”, under SAP-DRS (Special Assistance Programme - Departmental Research Support) phase II programme during December 29, 2014 - January 03, 2015, Centre for Atmospheric Studies, Dibrugarh University, Dibrugarh, Assam, India.
30. Attended Mathematics training and talent search programme, conducted by National Board of higher Mathematics (NBHM)) at Regional Institute of Education (RIE), Mysore in 2003.

Personal Details

Father's Name : Mr. Suraj Prasad Srivastava

Date of Birth: November 6th, 1983

Sex : Male

Nationality : Indian

Marital Status : Married

Languages : English, Hindi

Known:

Correspondence : National Centre for Polar and Ocean Research (NCPOR), Ministry of

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403 804, India

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I hereby declare that the above information is correct to the best of my knowledge.

Date : December 22, 2020

Place : Vasco-da-Gama, Goa

Rohit Srivastava