



St. Thomas College
Kozhencherry
Reaccredited by NAAC with A Grade(3rd Cycle)



Name	Dr.Praveen S.S.
Qualification	M.Sc., Ph.D.
Designation	Assistant Professor
Department	Physics

Publications

PUBLICATIONS AFTER 2014

S S Praveen (2016), Numerical Simulation of Tsunami Characteristics along the Central Kerala Coast, India, published in the "Journal of Advanced Research in Geo Sciences & Remote Sensing, VOL 3, NO 3&4 (2016)

PRAVEEN S S, (2016) "Numerical Modelling Studies on Tsunami Characteristics along the lakshadweep islands, REYONO an interdisciplinary journal, Vol 5, Issue 2, July 2016

Praveen S S, N P Kurian and J Sriganesh (2015) "Future Scenarios of Tsunami Inundation along the Kerala Coast for Different Scenarios of Sea Level Rise" published in the "Journal of Advanced Research in Geo Sciences & Remote Sensing" "VOL 2, NO 2-3 as Special Issue

PRAVEEN S S "Numerical Modelling of Tsunami Inundation along the Lakshadweep Islands, REYONO, an interdisciplinary journal, Vol 5, Issue 2, July 2016
Praveen S S, N P Kurian and J Sriganesh (2015) "Future Scenarios of Tsunami Inundation along the Kerala Coast for Different Scenarios of Sea Level Rise" published in the "Journal of Advanced Research in Geo Sciences & Remote Sensing" "VOL 2, NO 2-3 as Special Issue

Praveen S S, "A failure of Disaster Management Group" article published in National Newspaper Deccan Chronicle November-2017

Praveen S S "Focus should be on Solar Pattern:", article published in National Newspaper, The New Indian Express on July 2018

PUBLICATIONS PRIOR TO 2014

S. S. Praveen , N. P. Kurian & T. S. S. Hameed (2013): Tsunami Inundation Modelling for the Coast of Kerala, India, Marine Geodesy, 36:1, 86-97

S S Praveen, K B Shafeer, N P Kurian and T S S Hameed Numerical Modelling of the Tsunami Propagation in the South East Arabian Sea (SEAS), Under Review with Marine Geodesy

S. S. Praveen, A. K. Reshmi, P.Dhanya, S. Arjun, Kalarani, N. P. Kurian, M. V. Ramana Murthy, T. S. Shahul Hameed and T. N. Prakash, (2011) Numerical Simulation of 26 December 2004 Tsunami on the Southwest coast and Lakshadweep islands of India. Marine Geodesy Special Issue on Tsunamis. Vol. 34:1, pp. 59-67.

S. Arjun, Kalarani, P. Dhanya, S.S. Praveen, A. K. Reshmi, N. P. Kurian, M. V. Ramana Murthy, T. S. Shahul Hameed and T. N. Prakash, (2011) Numerical simulation of the Makran 1945 tsunami on the southwest coast and Lakshadweep islands of India. Marine Geodesy Special Issue on Tsunamis. Vol. 34:1, pp. 68-76

N.P. Kurian and S.S Praveen, (2010) Tsunami wave propagation in the Arabian Sea and its implications on run-up/inundation characteristics along the Kerala coast. Indian Journal of Geo- Marine Sciences.

Tad S Murty, N P Kurian, A Vittal Hegde, SubbaRao, Kiran G Shrilal, Praveen S S, Santhosh V H Numerical Modelling of Tsunami Run-up and Inundation along the central Kerala Coast, India, (Accepted for Publication-Natural Hazards)

CONFERENCE PROCEEDINGS

Praveen S S, Numerical simulation studies of tsunami characteristics along the Kerala coast with special reference to climate change scenario, National Conference on Energy and Environment, SreeAyappa College, Chenganoor, February 2019

Praveen S S, NUMERICAL MODELLING STUDIES OF CHANGES IN TSUNAMI INUNDATION PATTERN IN THE EVENT OF CLIMATE CHANGE SCENARIO ALONG THE KERALA COAST OF INDIA WITH THE VALIDATION OF DIFFERENT SATELLITE DERIVED DATASETS, International Workshop on Modelling Atmospheric and Oceanic Processes for weather and climate extremes, IIT Delhi, March 2019

Praveen S S, SIMULATION STUDIES OF THE 2004 SUMATRA TSUNAMI CHARACTERISTICS ALONG THE LAKSHADWEEP AND KERALA COAST OF INDIA, WITH SPECIAL REFERENCE TO NATURAL PRECURSORS, paper presented in International Seminar on disaster Management, Malaysia. (VC)

Praveen S S (2018), "Tsunami and its Prediction using Numerical Modelling", Project Report submitted to Human Resource Development Centre, University of Kerala, Thiruvananthapuram

Praveen S S , (2017), Numerical Modelling for Unraveling the Physics of December 26, 2004 Indian Ocean Tsunami (Invited Speaker), Proceedings of Annual Physics Symposium-APS, Page 14, ISBN: 978-93-5291-017-5

Praveen S S (2015), Future Scenarios of Tsunami Inundation along the Kerala Coast for Different Scenarios of Sea Level Rise, Proceedings of National Conference on Coastal Environment "2015 (NCCE - 2015) at Centre for Remote Sensing and Geoinformatics (CRSG) of Sathyabama University.

Praveen S S & N P Kurian (2015) , PROPAGATION OF THE 2004 TSUNAMI IN THE SOUTHEAST ARABIAN SEA (SEAS) AND INUNDATION ALONG THE LAKSHADWEEP AND KERALA COAST OF INDIA, Paper presented at the one day workshop on "Tsunami Threat and its mitigation along the Indian Coast", National Institute of Technology Karnataka-Suratkal

S S Praveen, K B Shafeer, N P Kurian and T S S Hameed, Propagation Characteristics of Tsunami in the South East Arabian Sea (SEAS) and Scenarios of Vulnerability Analysis along the South-West Coast of India ,Paper presented in 6th International Tsunami Symposium scheduled to be held on September 2-5

**S.S Praveen, N.P Kurian and T.S.S Hameed (2011),
Tsunami Inundation along the Kerala coast for
different sources and Scenarios of Sea Level Rise,
Proceedings of 23rd Kerala Science Congress,
Thiruvananthapuram. Page 101.**

**Habeeb Rahman and S.S Praveen (2010), Numerical
Modelling of Oil Spill along selected locations of
Kerala coast, Paper communicated towards the 13th
INCA International Congress, Dehradun.**

**V.K Mithun, C.P Shanawaz, S.S Praveen, N.P Kurian,
and T.S.S Hameed(2010), Validation of ALTM and
Cartosat derived topographic data, Paper
communicated towards the 13th INCA International
Congress, Dehradun.**

**S.S Praveen, Kalarani, C. P. Shanavaz, S.Arjun, N.P
Kurian, T.S.S Hameed and T.N.Prakash (2010),
Numerical modelling studies on tsunami inundation
along the Lakshadweep islands, Proceedings of the
9th International Conference on Hydrosience and
Engineering(ICHE), Chennai, Page 100.**

**N.P. Kurian and S.S Praveen Tsunami wave
propagation in the Arabian sea and its effect on
run-up/inundation characteristics along the south west
coast of India (2010), Proceedings of National
Conference on Coastal processes, Resources and
Management, Thiruvananthapuram, Page 241.**

**S. S. Praveen, P. Dhanya, Kalarani, S. Arjun, N. P.
Kurian, T. S. S. Hameed, T. N. Prakash (2009),
Numerical modelling of tsunami inundation for the
southern Kerala coast, Proc. National Conference of
Ocean Society of India on Recent Developments in
Ocean Science, Engineering and Technology,
OSICON'09, Page 50.**

**S.S Praveen, Kalarani, P. Dhanya S. Arjun, N. P.
Kurian, T. S. S. Hameed, (2009) Numerical modelling of
tsunami inundation and run-up along the Kerala Coast
for tsunami disaster mitigation, Proceedings of the
National Workshop on Natural Hazards Disaster
Mitigation and Management, 2009,
Thiruvananthapuram, Page 47.**

**S.S Praveen, S.Arjun, Kalarani, P.Dhanya, A.K Reshmi,
N.P.Kurian and TSS Hameed (2007), Simulation of
tsunami amplitudes along the Trivandrum coast for
1945 Makran and 2004 Sumatra Earthquake (2007)
Proceedings of 18th Swadesi Science Congress,
Thiruvananthapuram.**

**S.S.Praveen, Kalarani, A.K.Reshmi, S.Arjun,
C.P.Shanavaz, P.Dhanya, N.P.Kurian and T.S.Shahul
Hameed (2007) Numerical Modelling of Tsunami
Inundation along the Kerala coast, Proceedings of the
20th Kerala Science Congress, Thiruvananthapuram.**

INVITED TALKS

Praveen S S, Budgets of K M Mani with special reference to people friendly Initiatives in Kerala, Invited Talk on International Paper Presentation Competition organized by K M Mani Centre for Budget Studies (Interdisciplinary) 2018

Praveen S S, Inauguration of National Science Day Celebrations at Nirmala College of Engineering, Chalakudy and Invited Talk on the "Concepts of Numerical Modelling for predicting Physical/Natural Phenomenon", February 26, 2018

Praveen S S Lead Talk on "The

Impact of Climate Change on the Environment and Human Health" at a function organized by Thiruvananthapuram

Kolathukara Temple authorities on 17 March 2018 in the event of handing over the first Sree Narayana Guru Award to Dr. K Sivan, Honl. Chairman of ISRO

Praveen S S Lead talk on "Natural Harbingers of disasters", organized by Thiruvananthapuram Press Club on December 2017.

Praveen S S Invited Speaker on "Physics of Disasters" at St. Therasus College, Ernakulam December 8 2017, on the theme topic "Frontiers in Physics"

Praveen S S, Youth Empowerment through scientific innovations, International Youth Summit, organized by Kerala State Youth Welfare Board, Government of Kerala, January 2016

Praveen S S, Debate on Youth, Science, Technology and Politics, International Youth Summit, organized by Kerala State Youth Welfare Board, Government of Kerala, January 2016

ORIENTATION REFRESHER PROJECTS

Praveen S S, Project Submitted to UGC, HRDC as part of orientation Programme July 2018 Natural Precursors of Coastal Disasters, University of Kerala, Thiruvananthapuram 2018

PRAVEEN S S, Project Submitted to UGC, HRDC as part of orientation Programme January 2018 "Tsunami and its Prediction using Numerical Modelling"

FOURTH ESTATE

Published Several articles in various Newspapers

AWARDS/RECOGNITIONS

1st Best Paper Award, "Youth Empowerment through Scientific Innovation", Kerala State Youth Welfare Board, Government of Kerala- January 2016

1st Best Debater Award of The New Indian Express

Paper, 2015

**1st Best Paper Presentation Award, National
Conference of Ocean Society of India-2008**

Achievements Awards Distinctions Fellowships	
Projects Presentations	
Others	

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