



St Thomas College, Kozhencherry

Established in 1953 | Reaccredited by NAAC with Grade A | ISO 9001:2015 Certified | ISO 21001:2018 Certified

Affiliated to Mahatma Gandhi University, Kottayam

www.stthomascollege.info

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Faculty Profile

Dr. Praveen S S

Assistant Professor

Department of Physics

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Personal Details

Date of Birth	29-04-1983
Nationality	Indian
Marital Status	Married
Permanent Address	Sakalya, Opposite of Police Station, Kazhakuttom P O, Thiruvananthapuram, Kerala, India.

Higher Education

2013	PhD, Cochin University of Science and Technology- National Centre for Earth Science Studies (NCESS)- Government of India, Thiruvananthapuram.
2006	PGDCJ, Post Graduate Diploma in Journalism and Mass Communication, University of Kerala.
2005	M.Sc Physics, University of Kerala.
2003	B.Sc Physics and Computer Applications ,University of Kerala.

Professional Position

24 February 2014 to present	Assistant Professor, Department of Physics, St Thomas College, Kozhencherry
Former Project Scientist	NCCR-Ministry of Earth Sciences ICMAM PD-Govt of India, Chennai
	Indian Institute of Technology-Delhi (IIT-Delhi)
Former Senior Research Fellow	National Centre for Earth Science Studies (NCESS), Thiruvananthapuram

Teaching Experience

2014 – 2023	Undergraduate students
	Postgraduate students
2021 – 2023	Research Guide

Courses Taught

- M.Sc
 - **Mathematical Physics**
 - **Semiconductor Physics, Atomic and Molecular Physics**
 - **Communication Systems, Microprocessor**
- B.Sc
 - **Digital Electronics and Programming, Mechanics and properties of Matter**
 - **Solid State Physics**
 - **Current Electricity**
 - **Magnetic Properties of Materials**

Professional Service Rendered

- Elected Member, College Staff Council
- Director, Common Computer Facility, St Thomas College Kozhencherry
- Co-ordinator, Attendance Committee
- Co-ordinator HR and Career Guidance
- Editorial Board Member, Reyono Journal of Interdisciplinary Studies
- Observer/NTA Representative by National Testing Agency on behalf of Government of India
- Co-cordinator, National Seminar on Futuristic Approach to Climate Change, jointly organized by Reyono Journal and IQAC
- Convenor by National Centre for Coastal Research, Ministry of Earth Sciences, Government of India for conducting Beach Cleaning Drive
- Committee Member, Students Leadership and Training Committee
- Delegate, Mathrubhumi International Festival of Letters
- Committee Member, Tourism Club
- Committee Member, Academic Forum

Other Important Responsibilities/Positions Held

- NOMINATIONS TO GOVERNMENT OF INDIA COMMITTEE, Dr Praveen S S, selected as Observer/NTA Representative by National Testing Agency on behalf of Government of India, for conducting entrance examinations for admission/fellowship in higher educational institutions. December 2019 Dr Praveen S S selected as Convenor by National Centre for Coastal Research, Ministry of Earth Sciences, Government of India for conducting Beach Cleaning Drive along Thiruvananthapuram coast as part of International coastal cleanup day, September 2019

Social Responsibilities Held

- Presiding Officer, Panchayath Election, November 2015
- Presiding Officer, Assembly Election 2016
- Covid Special Polling Officer, Local Body Election 2020

International Assignments and Experiences

- Member Tsunami Society International

Professional Membership and Activities

- Reviewer Panel Member, Advanced Research Publications, India
- Member Desiya Sastravedhi

Awards and Achievements

- January 2016 ■ Best Paper Award, International Youth Summit 2016, Kerala State Youth Welfare Board, Government of Kerala
- June 2015 ■ Best Debater Award, The New Indian Express

Research Experience

- **Research Scholar for Second Phd- Atmospheric Physics (Part time), Postgraduate and Research Department of Physics, Mahatma Gandhi College, University of Kerala, Thiruvananthapuram**
Guide: Dr Veena Suresh Babu, Assistant Professor in Physics, All Saints College, Thiruvananthapuram
Area of Research: Interactions in middle layer atmosphere and climate change

Areas of Specialization and Interest

- Numerical Modelling
- Atmospheric Physics
- Coastal Process
- Disasters and its Early Warning

Research Publications

- Shafique Matin¹, Praveen S S², Aswathy Vijayan³ & Sajith Babu S⁴, PREDICTION OF FLOOD INUNDATION AND RUN-UP ALONG SELECTED RIVER BANKS OF KERALA USING A NUMERICAL MODEL, Paper accepted for Publication, Wiley Publications International, Editor(s): Prem C. Pandey Laxmi K. Sharma
- Shafique Martin¹, Praveen S.S², Aswathy Vijayan³ & SajithBabu S⁴ NUMERICAL SIMULATION STUDIES FOR ESTIMATING FLOOD INUNDATION AND RUN-UP ALONG THE BANKS OF CHALIYAR RIVER NORTHERN KERALA, INDIA, Elsevier Publications International , Earth Observation Series, [://www.elsevier.com/books-and-journals](http://www.elsevier.com/books-and-journals)
- PRAVEEN S S¹ & ASWATHY VIJAYAN², NUMERICAL SIMULATION STUDIES OF DISASTERS FOR ENABLING WARNING PREPAREDNESS AND MITIGATION, Taylor & Francis , Book Chapter on Mathematical Modelling, Accepted for Publications
- Shafique Matin & Praveen S S, Numerical Simulation and Comparison of Tsunami Inundation for Different Satellite-Derived Datasets for the Gujarat Coast of India (Pages: 431-443), Advances in Remote Sensing for Natural Resource Monitoring, Wiley Publications International, Editor(s): Prem C. Pandey Laxmi K. Sharma, Published Online:22 January 2021 Published Print:05 April 2021, Online ISBN: 9781119616016 Print ISBN: 9781119615972.
- Praveen S S, Thulasi K P K, An Investigation about the Natural Precursors of Disasters, Journal of Advanced Research in Alternative Energy, Environment and Ecology -2021.
- Aswathy Vijayan, Praveen S S, Veena Suresh Babu & Sajith Babu S, Simulation studies of Flood Along Periyar River Basin central Kerala India, Journal of Advanced Research in Geo Science and Remote Sensing (2021) Volume 8, Issue -2, Pages 1-7.

Research Publications (continued)

- Praveen Sakalya, "Weary Walkers" (Poem), The Creative Launcher, An International Open Access Peer Reviewed, Refereed E-Journal in English, Vol. V & Issue VI (February 2021) ISSN-2455-6580.
- Praveen Sathee Sankar and Shafique Matin, Simulation studies about the role of Lakshadweep-Maldives ridge in determining tsunami characteristics along the Kerala coast of India, Remote Sensing of Ocean and Coastal Environments, Elsevier Publications International, Earth Observation Series, [://www.elsevier.com/books-and-journals](http://www.elsevier.com/books-and-journals), Pages: 189-201, September 2020.
- Praveen=S S, Veena Suresh Babu, Aswathy Vijayan & Sajith Babu "Numerical Modelling of Flood Inundation and RunUp along the Banks of Pamba River, South West Coast of India" Journal of Advanced Research in Alternative Energy, Environment and Ecology Volume 7, Issue 1 - 2020 Page no. 8-14, (ISSN: 2455-3093) June 2020.
- Praveen S S "Numerical Simulation Studies about the Resonance of Tsunami Waves in Selected Gulfs and Ports along the South West Coast of India (SWCI) " of Journal of Advanced Research in Applied Mechanics and Computational Fluid Dynamics Volume 7, Issue 1 – 2020 (E-ISSN: 2349-7661 & P-ISSN: 2394-7055) June 2020.
- Jasmine P Raj, Susan Mathew, Praveen S S, Sajith Babu, ESTIMATION OF FLOOD CHARACTERISTICS USING NUMERICAL SIMULATION ALONG CHENGANNUR - KOZHENCHERRY, STREET ON THE BANKS OF PAMBA RIVER, SOUTH KERALA, Journal of the Maharaja Sayajirao University of Baroda ISSN : 0025-0422, , Volume-54, No.2 (X) 2020, pages 184-190.
- Praveen S S & Sajith Babu S, Numerical Modelling Of Initial Withdrawal of Ocean Prior To a Tsunami for the Kerala Coast, Thematic Journal of Geography, Volume 8 Issue 12, December 2019 (UGC Carelisted), ISSN: 2277-2995.
- Simi Sara Abraham, Avina Anna Abraham, Abin John & Praveen S.S, Validation of Satellite Based Datasets for the South-West Coast of Kerala, India Thematic Journal of Geography, Volume 8 Issue 12, December 2019 (UGC Carelisted), ISSN: 2277-2995.
- Praveen S S, Aneena T Padiyara, Jilu Elsa Alex, Numerical Simulation Studies of Tsunami Run-up along Neendakara-Trikkunnappuzha coastal stretch of Southern Kerala, South West Coast of India, Journal of Gujarat Research Society, Volume 21, Issue 6, October 2019 -UGC Carelisted.
- Praveen SS, Rajasree S & Sajith Babu S. Simulation Studies of Tsunami Run-Up Characteristics along the Selected Islands of Lakshadweep, India. Journal of Advanced Research in Applied Mechanics & Computational Fluid Dynamics 2019; Volume 6, Issue 3 & 4 - 2019, Pg. No. 11-14 (Peer Reviewed Journal), E-ISSN: 2349-7661 & P-ISSN: 2394-7055.
- S S Praveen, NP Kurian. Propagation of the 2004 Tsunami in the Southeast Arabian Sea (Seas) and Inundation Along the Lakshadweep and Kerala Coast of India. Journal of Advanced Research in Civil and Environmental Engineering 2019; Volume 6, Issue 1 - 2019, Pg. No. 23-28. (Peer Reviewed Journal), E-ISSN-2393-8307, P-ISSN-2394-7020.
- Praveen S S & Veena S, Kerala Floods: An Introspection, Reyono journal of Interdisciplinary Studies, Vol. 8(1): 76-85- January 2019.
- Praveen S S and Sajith Babu S, "Numerical Modelling of Floods in Kerala - A Research and Developmental Perspective", Rational Discourse, Vol 24 No 1 (2018), Published December 3, 2018.
- PRAVEEN S S "Sunami Durantha Sahachariyum Munkaruthal Nadapadikalum", Published in Yojana, Government of India, Publication ISBN No.:- 0971-8391, January 2017.
- 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), (Peer Reviewed Journal)- E-ISSN-2455-3190.

Research Publications (continued)

- 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 (Peer Reviewed Journal) EISSN-2455-3190 .
- 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, UGC CARELISTED.
- 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. Vol.39(4), pp. 531-540.

Web Articles

- Praveen S S, " Kharge...Navamadhyamakarkidayile Vethyasthan", The Fourth Online Web Portal October 2022

Popular Articles

- Praveen Sakalya, Keralam Padikkenda Pralaya Padangal, Veekshanam Dinapathram July 2022
- Praveen Sakalya and Sajith Babu S, "Pralayavum Munnorukkavum", Truecopy Webzine , 10 October 2022
- 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
- Praveen S S, Is Kerala Ready ? Article published in the State edition of Deccan Chronicle Newspaper May 2019
- Praveen S S, How we can Combat Floods, Article published in the State Edition of The Times of India Newspaper June 2020
- Dr. Praveen Sakalya, "Sarvakala Salakalum jathimatha preefricksukalum", Article Published in the State Edition of Veekshanam Daily, October 13, 2020
- Praveen Sakalya, "Mattenda Bodhyangal, Marenda Chindakal", Article Published in the state edition of Veekshanam daily June 2021

Paper Presentations

- Pavithra Sreekumar and Praveen S.S “Estimation and Analysis of Atmospheric Parameters Based on Satellite Data Sets” paper presented in the National Seminar on Advanced and Applied Physics organized by Department of Physics, St. Thomas College Kozhencherry sponsored by Kerala State Council for Science, Technology and Environment (KSCSTE) on 12th and 13th 2023. Abstract Page no.:16.
- Malavika Anil, Prithush D Nair, Aswathy Vijayan and Praveen S.S “Estimation of Field Measured Topographic Data and Its Comparison with Satellite Data Sets” paper presented in the National Seminar on Advanced and Applied Physics organized by Department of Physics, St. Thomas College Kozhencherry sponsored by Kerala State Council for Science, Technology and Environment (KSCSTE) on 12th and 13th 2023. Abstract Page no.:18.
- Aswathy Vijayan and Praveen S.S “Numerical Modelling of Flood Characteristics Along The Banks of Chaliyar River Northern Kerala, India” paper presented in the National Seminar on Advanced and Applied Physics organized by Department of Physics, St. Thomas College Kozhencherry sponsored by Kerala State Council for Science, Technology and Environment (KSCSTE) on 12th and 13th 2023. Abstract Page no.:13.
- Praveen S S and SajithBabu “Simulation Studies about Flood Inundation and Run-Up Along the Banks of Pamba River, Southern Kerala”, National Conference on Advances in Natural Resource Management and Hazard Mitigation Strategies (On Virtual Platform) during November 5th and 6th, 2020.
- Praveen S S and Aswathy Vijayan, “Computation of Flooding Characteristics along Selected River Banks of Kerala using Numerical Simulation Studies”, International Conferences on Advances and Applications in Physical Science, NSS College Changanssery , March 2022.
- Praveen S S and SajithBabu, AN INVESTIGATION ABOUT KERALA FLOODS 2018 THROUGH NUMERICAL MODELLING ALONG THE CHENGANOOR-KOZHENCHERRY STRETCH OF SOUTHERN KERALA, International Conference on Research insights on social science, literature, law and science, February 20-21, 2020, organized by St Thomas College, Kozhencherry.
- Praveen S S and Veena Suresh Babu, Numerical Simulation Studies of Kerala floods-2018 along the Banks of Pamba River, Kerala, The International Conference on Recent Advances in Materials Science (ICRAMS)-2020 is a multidisciplinary conference organized by the Internal Quality Assurance Cell (IQAC) and Post-Graduate and Research Departments of Physics and Chemistry, Mahatma Gandhi College, Thiruvananthapuram.
- Veena Suresh Babu and Praveen S S, Quantification of forcing by Planetary waves towards stratospheric and mesospheric quasi biennial oscillation over Trivandrum during the strongest and weakest phases, The International Conference on Recent Advances in Materials Science (ICRAMS)-2020 is a multidisciplinary conference organized by the Internal Quality Assurance Cell (IQAC) and Post-Graduate and Research Departments of Physics and Chemistry, Mahatma Gandhi College, Thiruvananthapuram.
- Praveen S S, Aleena Elsa Mathew and Iyappan M, Numerical Modelling of Run-up and Inundation due to Flooding on the banks of Pamba River, South west coast of India. International Symposium on Advances in Coastal Research with Special Reference to Indo Pacific-2019 (17 th to 19 th December 2019), NIOT Campus, Chennai.
- 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 2019i.

Paper Presentations (continued)

- 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 submitted to International Seminar on disaster Management, Malaysia.
- Praveen S S (2018), “Tsunami and its Prediction using Numerical Modelling”, Project Report submitted to Human Resource Development Centre, University of Kerala, Thiruvananthapuram.
- 14) 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 and 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 SHameed, 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 via video conferencing at 6th International Tsunami Symposium scheduled to be held on September 2-5 2014 @ COSTA RICA.
- 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.
- HabeebRahman 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.

Paper Presentations (continued)

- 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.ShahulHameed (2007) Numerical Modelling of Tsunami Inundation along the Kerala coast, Proceedings of the 20th Kerala Science Congress, Thiruvananthapuram.

Faculty Development Programmes Attended

- January 2018 ■ Orientation Course, UGC HRDC Kerala Thiruvananthapuram.
- July 2018 ■ Special Summer School UGC HRDC, University of Kerala.
- December 2021 ■ Refresher Course in Environmental Science, UGC HRDC, University of Kerala.
- February 2022 ■ Short Term Course, UGC HRDC, University of Kerala.

Recent Seminars/ Conferences/ Workshops Attended

- March 2022 ■ International Conference on Advances and Applications in Physical Sciences (IC-AAP 2022) March 2022
- National Conference on Advances in Natural Resource Management and Hazard Mitigation Strategies (On Virtual Platform) during November 5th and 6th, 2020
- International Conference on Research insights on social science, literature, law and science, February 20-21, 2020, organized by St Thomas College, Kozhencherry
- International Conference on Recent Advances in Materials Science (ICRAMS)-2020 is a multidisciplinary conference organized by the Internal Quality Assurance Cell (IQAC) and Post-Graduate and Research Departments of Physics and Chemistry, Mahatma Gandhi College, Thiruvananthapuram
- International Symposium on Advances in Coastal Research with Special Reference to Indo Pacific-2019 (17 th to 19 th December 2019), NIOT Campus, Chennai
- National Conference on Energy and Environment, SreeAyappa College, Chenganoor, February 2019
- International Workshop on Modelling Atmospheric and Oceanic Processes for weather and climate extremes, IIT Delhi, March 2019

Recent Seminar/Conferences/Workshops Organized

- Head, Department of Physics, "National Seminar on Advanced Materials and Applied Physics". Organized by Department of Physics St Thomas College Kozhencherry
- Coordinator, Dr. APJ Abdul Kalam Lecture Series Organized by Department of Physics St Thomas College Kozhencherry

Invited Talks

- Praveen S S- ..Physics Association Inauguration and Lead Invited Talk on Role of Numerical Modelling in Applied Physics, BAM Thuruthicad, 20th December 2022.
- Praveen S S- ..Science Exhibition Inauguration and Lead Invited Talk on Modelling of Natural Disasters, Prediction and Mitigation OEM Public School, Eraviperoor Thiruvalla, Pathanamthitta- 30th September 2022.
- Praveen S S, Invited Speaker on National webinar, Organized by Sanatana Dharma College, Alappuzha, Bhoomitrasena Club “ Numerical Modelling of Disasters and its early warning” 15th September 2020.
- Praveen S S, Key panellists on International Educational Webinar “Knowing NEP 2020”, organized by Kerala Engineers Forum Jeddah.
- 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 “ Indiyude Sasthra Vikasa Parinamangal ” at a function organized by Thiruvananthapuram Kolathukara Temple authorities on 17 March 2018 in the event of handing over the first SreeNarayana 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.
- Resource Person, Workshop on Restructuring of Curriculum/Syllabus of Postgraduate Programme in Bioscience of Mahatma Gandhi University Kottayam (PG CSS 2019) held at MACFAST, Thiruvalla on 11 January 2019.

Media Discussions

- News Hour Panelist 24 News
- Columnist (The New Indian Express, Times Of India, Deccan Chronicle, Veekshanam, True Copy Think, The Fourth)

Community Service

- Commentator on Societal Pitfalls
- Coordinator Beach Cleaning Initiative, Government of India
- Speaking Representative, Coastal Protection and Environmental Protection Initiatives

Skills

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|-----------------|--|
| Languages known | English, Malayalam, Tamil . |
| Coding | C++, Matlab, ArcGis, DGPS Processing, Visual Basic |