



# **Sree Narayana Mangalam College, Maliankara**

*(Affiliated to Mahatma Gandhi University, Kottayam)*

**Department of Physics**

**MoU WITH**

**Kerala University of Fisheries and Ocean Studies  
(KUFOS)**



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## **AWARENESS CLASS ON “EXTREME WEATHER EVENTS AND CLIMATE CHANGE”**

**About KUFOS:** The Kerala University of Fisheries and Ocean Studies (KUFOS) was established by Government of Kerala on 20<sup>th</sup> November 2010 devoted to studies in fisheries and ocean sciences. It acts as a centre of excellence for human resource development in fisheries and ocean studies and the nodal agency to establish relationship with institutions and universities functioning at national and international level. The University offers Under Graduate (UG), Post Graduate (PG), doctoral (Ph.D) and postdoctoral fellowship (PDF) programmes in various areas of fisheries and ocean studies. Several courses like B.F.Sc. B.Tech, M.F.Sc, MBA, M.Sc, LLM, M.Tech, Diploma, PG Diploma are offered in various streams like fishery science, oceanography, marine biology, aquatic animal health management, fish processing technology and fisheries economics. The outreach activities of KUFOS include student training, student internship and graduate/postgraduate research programmes.

**Objective of the programme:** To increase awareness among students about the extreme weather conditions and increasing climate change and to educate them about the importance of the environment in controlling it. The programme also aims at providing learning and education opportunities for students in the area of atmospheric science.

**Description of the programme:** For strengthening the academic and research collaborations, Department of Physics, S.N.M college, Maliankara signed a Memorandum of Understanding (MOU) with Kerala University of Fisheries and Ocean Studies (KUFOS). To make the MoU functional, Department of Physics conducted an awareness class on “Extreme weather conditions and climate change” for the students of the Department of Physics and Department of Mathematics. The programme was conducted at S.N.M college seminar hall on 27<sup>th</sup> September 2023 at 10:30 am as part of Physics association activity. Dr. Lakshmi S Bose (Physics Association Convener) Assistant Professor, Department of Physics welcomed the audience and Dr. Neena P (HoD), Assistant Professor, Department of Physics delivered the presidential address.




The resource person was Dr. Abish B, Assistant Professor, Department of Ocean and Technology, KUFOS. The resource person officially inaugurated physics association activities 2023 and delivered a talk on “Extreme weather conditions and climate change”. The talk included the reasons for today’s extreme weather conditions and climate change, what role the environment plays in regulating the climate and why it is important for future generations to take care of the environment and prevent any sudden climate changes. He also discussed about how climate changes have been affecting the earth and how icebergs are melting at a fast pace and resulting in the rise of water. The speaker presented various atmospheric phenomena arising from drastic climate changes. He also discussed about different modeling studies, adaptation strategies and technology systems that are required in understanding the processes involved in the climate change. The speaker said that prevailing human activities as well as natural phenomena constitute agents of climate change and they must be controlled. He concluded that awareness and enlightenment on climate change and sustainable development for all is essential and that could be achieved only through basic and applied research in climate science by strengthening observational and modeling tools and systems. The programme was followed by an interactive session, answering the queries from the student and teacher community. In the interaction session, the speaker also discussed about student academic projects and internship programmes that KUFOS offers in atmospheric sciences guided by experienced professional and scientific experts.

**Outcome of the programme:** The talk was successful in creating awareness, promoting knowledge and skills development on climate issues and related concepts among students. The interaction session with the speaker was very informative to the students as it provided a scientific understanding and awareness on the key climate processes, resultant climate risks and associated consequences on the social systems. The session also helped the speaker to assess the level of climate change awareness among students. Nearly 72 students were benefitted by the programme. The programme developed in them an attempt to start an immediate action to protect the environment from severe climate changes which is the need of the hour.



Brochure

 S.N.M. COLLEGE, MALIANKARA

**DEPARTMENT OF PHYSICS**

ASSOCIATION INAUGURATION AND TALK ON  
**Extreme Weather Events and  
Climate Change**

JOIN US AT S.N.M. COLLEGE SEMINAR HALL ON WEDNESDAY 27TH OCTOBER 2023 @ 10.30 AM

**Resource Person**  
**Dr. ABISH B.**  
*Assistant Professor (Climate Science)*  
*Faculty of Ocean Science & Technology*  
**KUFOS**

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Photos

 55JM+6H5, Church Rd, Maliyankara, Madaplathuruth, Kerala 683516, India  
27 Sep 2023 10:38 am





55JM+6H5, Church Rd, Maliyankara,  
 Madaplathuruth, Kerala 683516, India  
 27 Sep 2023 10:41 am

**കേരള കൗമുദി**  
 Ernekulam SINCE 1961 01 Oct 2023



മാല്യങ്കര എസ്.എൻ.എം കോളേജിൽ നടന്ന കാലാവസ്ഥ വ്യതിയാനം ശില്പശാല കേരള യൂണിവേഴ്സിറ്റി ഓഫ് ഫിഷറീസ് ആൻഡ് ഓഷ്യൻ സ്റ്റഡീസിലെ അസി. പ്രൊഫസർ ഡോ. ബി. ആബിഷ് ഉദ്ഘാടനം ചെയ്യുന്നു

**കാലാവസ്ഥ വ്യതിയാനം ശില്പശാല**

പറവൂർ: മാല്യങ്കര എസ്.എൻ.എം കോളേജിൽ ഫിസിക്സ് വിഭാഗത്തിന്റെ ആഭിമുഖ്യത്തിൽ കാലാവസ്ഥ വ്യതിയാനം എന്ന വിഷയത്തിൽ ശില്പശാല നടത്തി. കേരള യൂണിവേഴ്സിറ്റി ഓഫ് ഫിഷറീസ് ആൻഡ് ഓഷ്യൻ സ്റ്റഡീസിലെ അസി. പ്രൊഫസർ ഡോ. ബി. ആബിഷ് ഉദ്ഘാടനം ചെയ്തു. ഫിസിക്സ് വിഭാഗം മേധാവി ഡോ. പി. നീന അദ്ധ്യക്ഷത വഹിച്ചു. അദ്ധ്യപകരായ ഡോ. ലക്ഷ്മി എസ്. ബോസ്, പ്രിയ എസ്. നായർ, സി.പി. സുനിൽകുമാർ, ഡോ. കെ.എസ്. ഊർമ്മിള, നമിത്ന വകുപ്പൻ, ഡോ. എൻ. വിദ്യാരാജൻ എന്നിവർ സംസാരിച്ചു.





# List of Participants

**PHYSICS ASSOCIATION INAUGURATION**  
 Talk on "Extreme weather events and climate change" by Dr. Anoop,  
 organized by  
 Department of Physics  
 Venue: Seminar Hall, 07:30 - 10:30 am

Sl. No	Name	Department	Signature
1	Jadhav Suman M.A	Msc physics	
2	Dreelha	"	
3	Radhika M.A	"	
4	Mathia V.S	"	
5	Kashin	"	
6	Sreedhar M.M	"	
7	Ananya K. K.	"	
8	Vandya	"	
9	...	"	
10	NASUDEVA P.S	BSc physics	
11	SADHAVAKRISHNA K.S	BSc physics	
12	ASHIK VENUGOPAL	BSc PHYSICS	
13	Smrany N.S	Bsc physics	
14	Pervaizy M Prasad	Bsc physics	
15	Aradhya T.R	BSc physics	
16	Anjali Deep	BSc Physics	
17	Srinivasan K.S	BSc Physics	
18	Jibin Thomas	BSc Physics	
19	Adithyan A	Bsc physics	
20	Breelva P.S	BSc Physics	
21	Nana Akshaya	BSc Physics	
22	Arsha Suresh	IMSc Physics	
23	Sreetha Meenu	"	
24	Anya M.S	"	
25	Ananya V.S	"	
26	Karthik Harsh	"	
27	Shravya Sree	"	
28	Janika Shail	P. Bsc Maths	
29	Abhrami P.K	P. BSc Maths	
30	Anagha Shaji	P. BSc Mathematics	
31	Arsha T.R	P. BSc Mathematics	
32	Arpita Anil	P. BSc Mathematics	

33	Srinika	1 <sup>st</sup> BSc Mathematics	
34	Gowthami N.S	1 <sup>st</sup> BSc Mathematics	
35	Abhaya Suba	1 <sup>st</sup> BSc Mathematics	
36	Sreya V.S	1 <sup>st</sup> BSc Mathematics	
37	Akshaya M.R	1 <sup>st</sup> BSc Mathematics	
38	Aradhya Rathesh	1 <sup>st</sup> BSc Mathematics	
39	Jyathika V.J	1 <sup>st</sup> BSc Mathematics	
40	Rahul M.R	1 <sup>st</sup> BSc Mathematics	
41	Kashin V.V	"	
42	Maheswari S.V	1 <sup>st</sup> BSc Physics	
43	Reetha K.S	1 <sup>st</sup> BSc Physics	
44	Anshu Raj V.R	1 <sup>st</sup> BSc Physics	
45	Abhinav M.A	1 <sup>st</sup> BSc Physics	
46	Tilina Mary	1 <sup>st</sup> BSc Mathematics	
47	Ananya M.S	"	
48	Lakshmi Anitha	2 <sup>nd</sup> BSc Mathematics	
49	Pranav Pragas A	2 <sup>nd</sup> BSc Physics	
50	Alan N.A	"	
51	Sureshbabu P.P	"	
52	Abhinav Jashy	"	
53	Ananya Rajin	"	
54	Nandana K.S	1 <sup>st</sup> BSc Maths	
55	Geetha V.S	1 <sup>st</sup> BSc Physics	
56	Ananya K.K	"	
57	Devichandana V.S	"	
58	Anant Peter	"	
59	Ananya M. Suresh	"	
60	Krishnapriya M.V	"	
61	Aradhya Prathiba	1 <sup>st</sup> BSc Physics	

62	Naradhana Anilkumar	1 <sup>st</sup> BSc Physics	
63	Surenya M.B	"	
64	Darika K.D	P. BSc Physics	
65	Riya C.M	1 <sup>st</sup> BSc Physics	
66	Sneha K.M	1 <sup>st</sup> BSc Physics	
67	Anya K.S	1 <sup>st</sup> BSc Physics	
68	Vinayaak Sathish	"	
69	Ana Dakshitha A	2 <sup>nd</sup> BSc Physics	
70	Sneha P.B	"	
71	Ananya Sreya	1 <sup>st</sup> MSc Physics	
72	Fazil K.A	1 <sup>st</sup> BSc Physics	

