

SAI AMRITHA

Amritha Nivas,
Chelappara, Kanjikulam,
Kalladikode, Palakkad,
Kerala--678596, India.

Phone : +91 8157893324
Email : saiamrithak@gmail.com

RESEARCH INTERESTS

- Air quality, Air Pollution and Aerosols
- Physics of the Oceans and atmosphere

EDUCATION

- **M. Sc. Physical Oceanography, 2023**, Kerala University of Fisheries and Ocean Studies (KUFOS), Kochi, India.
- **B. Sc. Physics, 2020**, Calicut University, Kerala, India.
- **Higher Secondary** (Biology, Physics, Chemistry and Mathematics), **2017**, GMM Girls Higher Secondary School, Palakkad, Kerala, India.
- **High School / 10th standard, 2015**, GMM Girls Higher Secondary School, Palakkad, Kerala, India.

WORK EXPERIENCE

- July 2024 – May 2025 : **Junior Research Fellow**, IIT Bhubaneswar, Orissa, India.
- Mar 2024 – June 2024 : **Project Associate-1**, CSIR-NIO, Goa, India.
- May 2023 – September 2023 : **Project Student**, IITM Pune, India.
- December 2020 – January 2022 : Senior Assistant Service Delivery Coordinator, DXC-Technology, Chennai, India.

CONFERENCES/TRAININGS

- 14 – 19 April 2024 : **European Geosciences Union (EGU)**, Austria Center, Vienna
- 8 – 10 April 2024 : **International Conference on Frontiers in Marine Sciences MARICON 2024**, CUSAT, Kochi.
- 10 February 2024 : **Frontier Symposium in Earth, Environmental and Sustainability 2024 (FSE 2024)**, IISER Trivandrum.
- 12 – 14 January 2024 : **International Fisheries Congress and Expo 2024**, KUFOS Kochi.
- 11 – 22 December 2023 : **Training program on Aerosol and Climate**, DCCC, IISC Bangalore.

AWARDS/RECOGNITIONS

- **Inspire Fellowship**, DST, India, 2024.
- **University First Rank holder in M. Sc. Physical Oceanography, 2023**, Kerala University of Fisheries and Ocean Studies, Kochi, India.
- **Best Oral Presentation Award**: Recognized by the **International Fisheries Congress and Expo 2024** at KUFOS Kochi, India, for the topic 'Navigating Global and Regional NO₂ Changes in Relation to Environmental Regulations and Policies', 12 – 14 January 2024.
- **Best Oral Presentation Award**: Recognized by the **International Conference on Frontiers in Marine Sciences – MARICON 2024** at CUSAT Kochi, India, for the topic 'Tracking Long-term NO₂ Pollution Trends: From Global to City-Scale Insights Shaped by Environmental Regulations', 8 – 10 April 2024.

DIGITAL SKILLS

- Python, MATLAB, Fortran, Ferret
- WRF, QGIS
- Climate Data Analysis
- Oceanographic Data Analysis

PERSONAL DETAILS

| | |
|-----------------|---------------------------------------|
| Name | : SAI AMRITHA KUTTIPPURATH |
| Nationality | : Indian |
| Languages known | : Malayalam, English, Hindi and Tamil |

PUBLICATIONS

- **Amritha**, S., H. Varikoden, V K Patel, J. Kuttippurath and G S Gopikrishnan: Global, regional and city scale changes in atmospheric NO₂ with environmental laws and policies, Sustainable Cities and Society, doi: 10.1016/j.scs.2024.105207, 20 June 2024.
- **Amritha**, S., V K Patel, J. Kuttippurath and H. Varikoden: The COVID-19 lockdown induced changes of SO₂ pollution in its human-made global hotspots, Global Transitions, <https://doi.org/10.1016/j.glt.2024.06.003>, 20 June 2024.
- **Amritha**, S., V K Patel, J. Kuttippurath and H. Varikoden: Global changes in the hazardous atmospheric NO₂ during the COVID-19 lockdown and pre-lockdown periods, Journal of Hazardous Materials Letters, IN REVIEW, 2025.
- Soumya Mohan, Srinivas G, **Amritha**, S: Mechanisms of tropical Indian Ocean circulation biases in CESM historical experiments, Theoretical and Applied Climatology, IN REVISION, 2025.

REFERENCES

- **Dr. Hamza Varikoden**,
Scientist-F, Indian Institute of Tropical Meteorology, Pune, India.
hamza@tropmet.res.in
+91 9049470639
- **Prof. Jayanarayanan Kuttippurath**,
Associate Professor, Indian Institute of Technology, Kharagpur, West Bengal, India.
jayan@coral.iitkgp.ac.in
+91 9475472847
- **Dr. Phiros Shah**,
Assistant Professor of Physical Oceanography, Kerala University of Fisheries and Ocean Studies, India.
phiros.shah@kufos.ac.in
+91 9745368473