

Curriculum Vitae

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Personal Information

Academic Qualifications

Ph.D. in Marine Science, Goa University, Goa Awarded: Jan 2012

Post-Graduation in Earth Sciences, Mysore University, Mysore, Karnataka: 2005

Graduation in Physics, Maths, Electronics from Mysore University, Mysore, Karnataka: 2002

Thesis Title: Evolution of surface hydrography in the Eastern Arabian Sea during the Late Quaternary: Perspectives gained from sedimentary records of past Sea surface temperature and salinity

Academic Achievements

1. Secured First Rank (Mysore University) in Post-graduation.
2. Qualified joint **CSIR-UGC Junior Research Fellowship and Eligibility for Lectureship – National Eligibility Test, 2005** and secured position among **top 20%** of successful candidates.

Professional Experience

1. **Research Scientist B**, at National Center for Antarctic and Ocean Research, Vasco-da-Gama, Goa – at Present.
2. **Project Assistant III**, at National Institute of Oceanography, Goa from February 23, 2011 to 30th November 2011.
3. **CSIR- Senior Research Fellow**, at National Institute of Oceanography, Goa from November 07, 2007 to 6th November 2010.

4. **CSIR- Junior Research Fellow**, at National Institute of Oceanography, Goa from November 07, 2005 to November 06, 2007.

Awards/Recognitions

1. Secured first place in Business Presentation at “Technology Led Entrepreneurship Program”, organized by Council of Scientific and Industrial Research for the year 2010.
2. Received “YuvaVignashree” award for Environmental awareness.
3. Sundarlal Bahuguna Environmental Award for contribution towards Environmental Science.
4. Awarded Best Trainee by Mountaineering and Skiing Institute – ITBP Auli for the training towards Pre-Antarctic Ice/Snow acclimatization program (2013-14).

Field Experience/ Training:

1. Training for “Technology Led Entrepreneurship Program” conducted by CSIR-HRDC at Hyderabad, June 2010.
2. **Ship borne Experience:**
 - a. Scientific member in a 35 day Research cruise on ORV Akademik Boris Petrov during the year 2008.
 - b. Participated in the Voyage Leg of the 32nd, 33rd, 34th Indian Scientific Expedition to Antarctica for a period of over 800 days collectively.
3. Participated in the Pre-Antarctic induction training program for 2 weeks at Indo-Tibetan Border Police during September 2012 and August 2013.
4. Scientific member in the 32nd, 33rd and 34th Indian Scientific Expedition to Antarctica between the years 2013-15 for a period of 4 months.

Workshops/ Outreach

1. Member of the organizing committee of the Indian Scientific workshop under Antarctic Science. The workshop is conducted every year to screen the proposals submitted by scientists from various institutes of India who propose to participate in the Indian Scientific Expedition to Antarctica. Played a role in briefing the Antarctic members about the Antarctic Treaty System, the importance of ASMA, ASPA and the environmental protocols and their conduct. Updating the scientific reports of the ongoing Indian Antarctic Expeditions.
2. Member of the organizing committee of the pre-Antarctic workshops held at NCAOR (Nodal agency for Indian Antarctic Program) and also the de-briefing workshops.

3. Member of the 13th ISAES (Indian Symposium on Antarctic Earth Sciences) held at Goa during 13-17 July 2015. Played a role in screening scientific abstracts, writing day-today minutes of the proceedings

Publications

Papers (Published/In Press):

A. Peer-reviewed (SCI Journals):

1. Climatology of the Eastern Arabian Sea during the last glacial cycle reconstructed from paired measurement of foraminiferal $\delta^{18}\text{O}$ and Mg/Ca: *Quaternary Research (2010)* **IF: 2.583.**
2. Holocene-Last Glacial record of Indian monsoons reconstructed from paired measurements of foraminiferal $\delta^{18}\text{O}$ and Mg/Ca ratios. *Acta Geological Sinica(2011)* **IF: 1.406.**
3. Mahesh, B.S., Banakar, V.K. 2014. Change in the intensity of low-salinity water inflow from the Bay of Bengal into the Eastern Arabian Sea from the Last Glacial. *Palaeogeography, Palaeoclimatology, Palaeoecology.* DOI: 10.1016/j.palaeo.2013.05.024. **IF: 2.752.**
4. Warriar, A.K., Mahesh, B.S., Rahul Mohan, Shankar, R., Asthana, R., and Ravindra, R., 2014. Glacial–interglacial climatic variations at the Schirmacher Oasis, East Antarctica: The first report from environmental magnetism. DOI: *Palaeogeography, Palaeoclimatology, Palaeoecology.* DOI: 10.1016/j.palaeo.2014.08.007. **IF: 2.752.**
5. Mahesh, B.S., Warriar, A.K., Rahul Mohan, Manish Tiwar, Anila Babhu, Aswathi Chandran, Rajesh Asthana and Rasik Ravindra., 2015. Response of Long Lake sediments to Antarctic climate: A perspective gained from sedimentary organic geochemistry and particle size analysis. **Polar Science, 9: 359-367.** Doi: 10.1016/l.polar.2015.9.004.
6. Warriar, A.K., Hemant Pednekar., Mahesh, B.S., Rahul Mohan, and Sahina Gazi., 2015. Sediment grain size and surface textural observations of quartz grains in late quaternary lacustrine sediments from Schirmacher Oasis, East Antarctica: paleoenvironmental significance. **Polar Science.** Doi: 10.1016/l.polar.2015.12.005.

Presentations

Contributory Presentations (Oral)

1. Last 32 000 years record of Indian monsoon variability reconstructed from paired measurements of foraminiferal $\delta^{18}\text{O}$ and Mg/Ca ratios. In Abstract Volume, 7th Annual Meeting AOGS, 5 to 9 July, 2010, held at Hyderabad-India.

2. Latitudinal changes in sea surface temperature and salinity within the Eastern Arabian Sea during the Holocene and Last Glacial Period. In Abstract Volume 7th International Conference on Asian Marine Geology, October 2011, held at NIO, Goa-India.

Contributory Presentations (Posters)

1. Participated in the 103rd Indian Science Congress held at Mysore during January 2016.
2. Glacial-interglacial climatic variations recorded in the lake sediments of Schirmacher Oasis, East Antarctic: An untold story of magnetic minerals. In SCAR-Biennial Meeting, August 2014, held at Auckland, New Zealand.
3. Reconstruction of Holocene-Last Glacial monsoons from Eastern Arabian Sea foraminiferal $\delta^{18}\text{O}$ and Mg/Ca ratios. In Ocean Science Meeting, February 2010, held at Portland, USA.
4. Presented a poster on “**Community level preparedness plan at local level**”, at International conference held at Satellite Application Centre (Satellite Application Center - ISRO, Ahmadabad) in the year 2000.