

VANKARA VENKATARAMANA

Project Scientist

National Centre for Polar and Ocean Research

Earth System Science Organization

Ministry of Earth Sciences, Head land Sada

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EDUCATION

2016 PhD in Zoology

APPOINTMENTS

2013 – Present Project Scientist-B, National Centre for Polar and Ocean Research,
Goa. India

2008 – 2013 Project Assistant, National Institute of Oceanography, Regional Centre
Visakhapatnam. India

List of peer reviewed Publication

- 1) **V. Venkataramana**, N. Anilkumar, R.K. Naik, R.K. Mishra, P.Sabu (2019).
Temperature and phytoplankton size class biomass drives the zooplankton food
web dynamics in the Indian Ocean sector of the Southern Ocean. **Polar Biology**.
DOI: 10.1007/s00300-019-02472-w
- 2) M.D. Bharathi, V.V.S.S. Sarma, K. Ramaneswari, **V. Venkataramana** (2018).
Influence of river discharge on abundance and composition of phytoplankton in
the western coastal Bay of Bengal during peak discharge period. **Marine
Pollution Bulletin**. 133: 671 – 683
- 3) **V. Venkataramana**, S.C. Tripathy, N. Anilkumar (2017). The occurrence of blue-
pigmented *Pontella valida* Dana, 1852 (Copepoda: Calanoida: Pontellidae) in the
equatorial Indian Ocean. **Journal of Crustacean Biology**. DOI
10.1093/jcobiol/rux037.

- 4) **V. Venkatararamana**, V.V.S.S. Sarma, A. Matta Reddy (2017). River discharge as a major driving force on spatial and temporal variations in zooplankton biomass and community structure in the Godavari estuary India. **Environmental Monitoring and Assessment**. 189:474. DOI 10.1007/s10661-017-6170-5.
- 5) **V.Venkataramana**, V.V.S.S. Sarma, A. Matta Reddy (2017). Impact of river discharge on distribution of zooplankton biomass, community structure and food web dynamics in the Western coastal Bay of Bengal. **Regional Studies in Marine Science**. 16, 267-278. <https://doi.org/10.1016/j.rsma.2017.09.007>.
- 6) V.V.S.S. Sarma, B. Sridevi, K. Maneesha, T. Sridevi, S.A. Naidu, V.R. Prasad, **V. Venkataramana**, T. Acharya, M.D. Bharati, Ch.V. Subbaiah, B.S. Kiran, N.P.C. Reddy, V.V.Sarma, Y. Sadhuram, T.V.R. Murty (2013). Impact of atmospheric and physical forcing on biogeochemical cycling of dissolved oxygen and nutrients in the coastal Bay of Bengal. **Journal of Oceanography**, vol.69 (2); 229-243.
- 7) T. Acharyya, V.V.S.S. Sarma , B. Sridevi, **V. Venkataramana**, M.D. Bharathi, S. A. Naidu, B.S.K. Kumar, V.R. Prasad, D. Bandopadhyay, N.P.C. Reddy and M.D. Kumar (2012). Reduced river discharge intensifies phytoplankton bloom in Godavari estuary, India. **Marine Chemistry** DOI: 10.1016.
- 8) Haimanti Biswas, Subhadra Devi Gadi, **V. Venkataramana** , M. D. Bharathi , R. Kesava Priyan, D. Taruni Manjari and M. Dileep Kumar.(2011) Enhanced Abundance of Tintinnids under Elevated Co2 Levels From Coastal Bay Of Bengal. **Biodiversity and Conservation** DOI:10.1007/s10531-011-0209-7.
- 9) Haimanthi Biswas, Alexander Cross, Kamna Yadav, **V. Venkatramana**, V. Rajendra Prasad, Tamogna Acharyya, P.V. Raghunadh Babu.(2011). The response of natural phytoplankton community from the Godavari river estuary to increasing CO₂ concentration during a pre-monsoon period. **Journal of Experimental Marine Biology and Ecology** DOI:10.1016/j.jembe. 2011.06.027.
- 10) V.V.S.S. Sarma, N.A. Kumar, V.R. Prasad, **V. Venkataraman**, S. Appala Naidu, B. Sridevi, M.D. Bharathi, B.S.K. Kumar, Ch.V. Subbaiah, T. Acharya, G.D.

Rao, R. Viswanadham, L. Gawade, D.T. Manjary, P.P. Kumar, K. Rajeev, N.P.C. Reddy, V.V. Sarma, M.D. Kumar, Y. Sadhuram, and T.V.R. Murhy (2011). High co₂ emission from the tropical Godavari estuary (India) associated with monsoon river discharges. **Geophysical Research Letters** 38(8) 4pp; DOI:10.1029/2011GL046928.

Conferences

- **Diel vertical migration of zooplankton in Prydz Bay (Indian Ocean sector, East Antarctica) during the austral summer of 2017**
V. Venkataramana, Anvita U. Kerkar, N. Anilkumar, P. Sabu, R.K. Mishra
Presented at National Conference on Polar Sciences (NCPS-2019), held in National Centre for Polar and Ocean Research, Goa, India-2019.
- **Influence of biophysical process on phytoplankton variation in the Indian sector of Southern Ocean: In-situ and Remote sensing approach**
R. K. Mishra, R. K. Naik, V.Venkataramana, B. Jena, AnilKumar. N, Melena A. Soares, A. Sarkar, and A.Singh
Presented at National Conference on Polar Sciences (NCPS-2019), held in National Centre for Polar and Ocean Research, Goa, India-2019.
- **Zooplankton morphometry as an effective tool to estimate carbon biomass: A case study in Prydz Bay during the austral summer of 2017**
Anvita U. Kerkar, V. Venkataramana, Sarat Chandra Tripathy
Presented at international conference on materials and environmental science, held in Shivaji University, Kolhapur, India- 2018
- **Zooplankton biomass and community structure in frontal systems of the Indian sector of the Southern Ocean**
V. Venkataramana, S.C. Tripathy, N. Anilkumar, S. Sarkar and R.K. Mishra
Presented at Ocean Society of India (OSICON-2017), held in National Centre for Earth Science Studies, Thiruvananthapuram, India-2017.
- **Vertical profile of zooplankton biomass and copepod community structure in the Indian Ocean sector of Southern Ocean**
V. Venkataramana, N. Anilkumar, R.K. Naik, R.K. Mishra, P. Sabu and S.C. Tripathy

Presented at National Conference on Polar Sciences (NCPS-2017), held in National Centre for Antarctic and Ocean Research, Goa, India-2017.

➤ **Diel variation in surface zooplankton abundance, biomass and community structure in the south western tropical Indian Ocean during June 2014**

V.Venkataramana, S.C. Tripathy and N. Anilkumar

Presented at Dynamics of the Indian Ocean: Perspective and Retrospective. International symposium on the Indian Ocean, held in National Institute of Oceanography, Goa, India-2015

➤ **Variation of phytoplankton biomass and production in the southwestern Tropical Indian Ocean during monsoon 2014**

S. C. Tripathy, S. Patra, P. Sabu, R. K. Naik, A. Sarkar, V. Venkataramana, N. Anilkumar

Presented at Dynamics of the Indian Ocean: Perspective and Retrospective. International symposium on the Indian Ocean, held in National Institute of Oceanography, Goa, India-2015

➤ **Biogeochemical controls on the frontal variability of carbon dioxide fluxes in the Indian sector of Southern Ocean during austral summer, 2013**

Amit Sarkar, P.V. Bhaskar, M. Soares, P. Sabu, N. Anil Kumar, R.K. Mishra, V. Venkataramana, A. Sinha.

Presented at Southern Ocean Observing System (SOOS) meeting on Air-Sea Fluxes for the Southern Ocean: Strategies and Requirements for Detecting Physical and Biogeochemical Exchanges. Workshop was hosted by European Space Agency's Centre for Earth Observation, Italy, 2015.

➤ **Diurnal variation of plankton in Godavari estuary.**

M.D. Bharathi, V. Venkataramana, V.V.S.S. Sarma

Presented at OSICON-2011, held in National Institute of Ocean Technology, Chennai, India.

➤ **Macro benthic invertebrates distribution in the Godavari Estuary**

S.A. Naidu, V. Venkataramana, M.D. Bharathi, Ch.V. Subbaiah, and V.V.S.S. Sarma.
Presented at the National conference of Emerging Trends in Advanced biology (ETAB), during 25 – 26 March-2011, held in Adikavi Nannaya University, Rajahmundry, India.

- **Intra annual variation in mesozooplankton abundance in the Godavari estuary.**

V. Venkataramana and V.V.S.S. Sarma

Presentation at P.N. Ganapathi Centennial Commemoration -2010 Andhra University, Visakhapatnam, India.

- **Effect of increasing CO₂ on the coastal phytoplankton community from Bay of Bengal, Visakhapatnam Coast, India.**

Biswas, H, Alexander Cros, Acharyya T, Venkataramana V and Debasmita Bandyopadhyay

Presented at Annual assembly of Asai Oceania Geosciences Union (AOGS), Hyderabad-2010, India.

- **High ammonia concentration coupled with low dissolved oxygen and high BOD in the water column from polluted harbour during premonsoon month, Visakhapatnam, India.**

Biswas. H, V.V. Sarma, N.P.C. Reddy, K. Rajeev, V. Venkataramana, P.L. Prasanna, M.D. Bharathi, D.T.Manjary and P.V. Raghunadh Babu.

Presented at Asia Oceania Geosciences (AOGS)-2010 Hyderabad India.

- **Phytoplankton dynamics in the Godavari estuary**

T. Acharya, B.S. Kumar, V. Venkataramana, M.D. Bharathi

Presented at OSICON 2009, Andhra University, Visakhapatnam, India.

Professional Trainings

- Training program on **phytoplankton Identification and Taxonomy** from National Institute of Oceanography Goa. India.

Under Dr. A.C. Anil. Period of August-September, 2008

- Training Program on **Zooplankton Identification and Taxonomy** from National Institute of Oceanography Goa. India.

Under Dr. Mangesh. Gauns Period of September-October, 2009

- Training program on **Coastal and Marine Ecology, Resources and communities**

Organized by government of Andhra Pradesh, Forest department, India. Period of 11th -14th September 2012

Cruise\field work experience

- ❖ CRV Sagar Paschimi : December 2008 (Bay of Bengal)
- ❖ CRV Sagar Paschimi : December 2009 (Bay of Bengal)
- ❖ ORV Sagar Nidhi : August 2010 (Bay of Bengal)
- ❖ CRV Sindhu Sankalp : November 2011 (Bay of Bengal and Arabian sea)
- ❖ ORV Sagar Nidhi : July 2014 (Indian Ocean)
- ❖ ORV Sagar Nidhi : December 2015 (Indian Ocean)
- ❖ ORV Sagar Nidhi : January 2016 (Southern Ocean)
- ❖ ORV S.A. Agulhas : January 2017 (Southern Ocean)
- ❖ ORV S.A. Agulhas : January 2018 (Southern Ocean)