

Dr. Sangeeta M. Naik

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EDUCATION

PhD Science, Academy of Scientific & Innovative Research (AcSIR), 2019

Thesis title: 'Response of *Tetraselmis indica* to various environmental conditions' carried out at CSIR - National Institute of Oceanography, Goa.

M.Sc. Marine Science, Goa University, Goa, 2010

Thesis title: ^{210}Pb excess based geochronology of a sediment core-off Goa' carried out at CSIR -National Institute of Oceanography, Goa.

B.Sc. Chemistry-Biotechnology, Goa University, Goa, 2008

PROFESSIONAL APPOINTMENTS

2020 - till date: Assistant Professor, Marine Microbiology, Goa University, Goa

2018 - 2020: Project Scientist-B, National Centre for Coastal Research, Chennai, Tamil Nadu

2016 - 2017: Project Assistant - II, CSIR- National Institute of Oceanography, Goa

2013 - 2016: Senior Research Fellow, CSIR- National Institute of Oceanography, Goa

2011 - 2013: Junior Research Fellow, CSIR- National Institute of Oceanography, Goa

AWARDS & FELLOWSHIPS

- POGO-SCOR fellowship** 2022, Cardiff University, United Kingdom.
- First Prize** for Hindi Storytelling Competition, Hindi Pakhwada, 16-27th September 2019, National Centre for Coastal Research, Chennai, India.
- Best Paper Award** for a paper titled *Seasonal inorganic carbon dynamics of the eastern Arabian Sea* at International Symposium on Advances in Coastal Research with special reference to Indo-Pacific 2019 (AdCoRe-19) held during 17-19th December 2019 at National Centre for Coastal Research, Chennai, India.
- Junior Research Fellowship and Lectureship (NET)** in Earth, Atmospheric, Ocean and Planetary Sciences, 2010 and 2013.
- Lectureship (NET)** in Earth, Atmospheric, Ocean and Planetary Sciences, 2011 and 2012.
- Pride of St Andrew's Institute Award** for an outstanding academic record, 2002-2003.
- Excelled in **International Assessments for Schools (Mathematics)** conducted by the University of South Wales and Educational Testing Centre, Australia in 1999, 2000, 2001.
- Meritorious position** in TSI Math's Olympiad in 1999, 2000, 2001, 2003.

PUBLICATIONS/CHAPTER

- Baragi L.V., Narale D.D., **Naik S.M.**, Rajaneesh K.M. (2020). Microbial Ecosystem and Anthropogenic Impacts. In: Sharma S., Sharma N., Sharma M. (eds) *Microbial Diversity, Interventions and Scope*, Springer, Singapore.
- Naik S.M.**, Anil A.C. (2018). Influence of darkness on pigment of *Tetraselmis indica* (Chlorodendrophyceae, Chlorophyta). *Journal of Photochemistry and Photobiology B: Biology*, 186: 17-

22.

3. **Naik S.M.**, Anil A.C. (2018). Survival in the dark: strategies adopted by *Tetraselmis indica* (Chlorodendrophyceae, Chlorophyta). *Marine Biology Research*, 14 (5): 448-453.
4. **Naik S.M.**, Anil A.C. (2017). Long-term preservation of *Tetraselmis indica* (Chlorodendrophyceae, Chlorophyta) for flow cytometric analysis: Influence of fixative and storage temperature. *Journal of Microbiological Methods*, 139: 123-129.
5. Sebastian T., Nath B.N., **Naik S.**, Borole D.V., Pierre S., Yazing A.K. (2017). Offshore sediments record the history of onshore iron ore mining in Goa State, India. *Marine Pollution Bulletin*, 114 (2): 805-815.
6. Singh A., Kürten B., Cedras R., Fernandes M. *et al* (2016). Perspectives of future Indian Ocean research from early career scientists. *Current Science*, 111 (11): 1741-1742.

GRANTS SECURED

1. **CSIR-ASPIRE Research Grant** for the project titled 'Physiological response of harmful dinoflagellates to varying environmental conditions', CSIR-India, April 2024 to April 2027.
2. **DST-SERB International Travel Support** for 5th International Symposium on the Ocean in a High on the Ocean in a High CO₂ World, 12-16th September 2022, Pedro Ruiz Gallo National University, Lima, Peru, South America.
3. **Scientific Committee on Oceanic Research Travel Grant** for partial support of 5th International Symposium on the Ocean in a High CO₂ World, 12-16th September 2022, Pedro Ruiz Gallo National University Lima, Peru, South America.
4. **Seed Money Research Grant** for the project titled 'Dynamics of dissolved organic matter in the laboratory and natural conditions', Directorate of Research Development and Resource Mobilization, Goa University, Goa, 2022.
5. **Outreach Grant for International Coastal Cleanup Day**, Miramar Beach, Goa, Ministry of Earth Sciences, India, 2021.
6. **CSIR Travel Grant** for 11th Western Indian Ocean Marine Science Association (WIOMSA) Symposium, 1-6th July 2019, University of Mauritius, Mauritius.

CONFERENCES/SEMINAR ATTENDED

1. Microbial Diversity & Ecology- Tropics to the polar region, 9th November 2022, National Centre for Polar and Ocean Research, Goa, India.
2. **Naik S.M.**, Ranga Rao V., Ramana Murthy M.V. (2022). Seasonal shift in pCO₂ source and sink status in the eastern Arabian Sea. 5th International Symposium on the Ocean in a High CO₂ World, 12-16th September, Pedro Ruiz Gallo National University, Lima, Peru, South America (**Oral Presentation**).
3. **Naik S.M.**, Gupta G.V.M., Ranga Rao V., Ramana Murthy M.V. (2022). Seasonality in dissolved inorganic carbon dynamics from the major estuaries of western India. International Indian Ocean Science Conference (IIOSC), 14-18th March 2022, CSIR- National Institute of Oceanography, Goa, India (**Oral Presentation**).
4. **Naik S.M.**, Gupta G.V.M., Durga Rao G., Ranga Rao V., Ramana Murthy M.V. (2019). Seasonal

inorganic carbon dynamics of the eastern Arabian Sea. International Symposium on Advances in Coastal Research with special reference to Indo-Pacific, 17-19th December 2019, National Centre for Coastal Research, Chennai, India (**Oral Presentation, Best Paper Award**).

5. **Naik S.M.**, Gupta G.V.M., Harikrishnachari N.V., Sudheesh V., Durga Rao G., Ranga Rao V., Ramana Murthy M.V. (2019). Eastern Arabian Sea is a net annual source of CO₂ to atmosphere. Sixth Biennial Conference of Ocean Society of India (OSICON 2019), 12-14th December 2019, Centre for Marine Living Resources & Ecology, Kochi (**Oral Presentation**).
6. **Naik S.M.**, Anil A.C. (2019) Influence of darkness on pigment of *Tetraselmis indica* (Chlorodendrophyceae, Chlorophyta). 11th Western Indian Ocean Marine Science Association (WIOMSA) Symposium, 1-6th July 2019, University of Mauritius, Mauritius (**Oral Presentation**).
7. **Naik S.M.**, Anil A.C. (2018). Survival in the dark: strategies adopted by *Tetraselmis indica* (Chlorodendrophyceae, Chlorophyta). 11th Western Indian Ocean Marine Science Association (WIOMSA) Symposium, 1-6th July 2019, University of Mauritius, Mauritius (**Poster Presentation**).
8. Sebastian T., **Naik S.M.**, Nath B.N., Borole, D. V. (2015). Anthropogenic imprints on a sediment core off Goa from the Arabian Sea - A rock magnetic and geochemical studies. Fourth Biennial Conference of Ocean Society of India (OSICON 2015), 22-24th March 2015, CSIR- National Institute of Oceanography, Goa, India (**Poster Presentation**).
9. **Naik S.**, Nath B.N., Borole D.V. (2012). ²¹⁰Pb excess based geochronology of a sediment core off Goa. World Ocean Day, 8-12th June 2012, CSIR- National Institute of Oceanography, Goa, India (**Poster Presentation, Consolation Prize**).

ADDITIONAL INFORMATION

Research Advisory Committee Member (PhD)

1. Goa University, Goa
2. CSIR-National Institute of Oceanography, Goa
3. ESSO-National Centre for Polar and Ocean Research, MoES, Goa

Scientific activities & cruise/field trips

1. Moderator, 5th International Symposium on the Ocean in a High CO₂ World, 12-16th September, Pedro Ruiz Gallo National University, Lima, Peru, South America.
2. Pulicat Lake Field Trips, 2019, National Centre for Coastal Research, Chennai.
3. SK377 cruise in the Arabian Sea from Gujarat to Kanyakumari, ORV-Sagar Sampada, November 2018, National Centre for Coastal Research, Chennai.
4. SK352 cruise in the Arabian Sea from Gujarat to Kanyakumari, ORV-Sagar Kanya, September-October 2018, National Centre for Coastal Research, Chennai.
5. SSK044 cruise for AcSIR PhD Coursework, CSIR- National Institute of Oceanography Training cruise, ORV-Sindhu Sankalp, January 2013.
6. SK260 cruise for Tropical Indian Ocean (TIO) Programme, ORV-Sagar Kanya, June-July 2009, National Centre for Polar and Ocean Research, Goa.