



Australian Government



AUSTRALIAN INSTITUTE
OF MARINE SCIENCE



NCCR

राष्ट्रीय तटीय अनुसंधान केन्द्र
पृथ्वी विज्ञान मंत्रालय, भारत सरकार

NATIONAL CENTRE FOR COASTAL RESEARCH
MINISTRY OF EARTH SCIENCES, GOVERNMENT OF INDIA



BRIN
BADAN RISET
DAN INOVASI NASIONAL

Program

Transnational Solutions to the Impacts of Marine Debris & Climate Change on Marine Ecosystems

More info :

j.bonesso@aims.gov.au

r.galaiduk@aims.gov.au

Day 1

May 11

Opening & Introduction

08:30 AM - 09:15 AM

WELCOME TO COUNTRY AND DELEGATE ADDRESS

Session I

09:15 AM - 10:30 AM

Threats to Indian Coastal Ecosystem: Challenges, Knowledge Gaps and Research Priorities

Dr. Sanitha K. Sivadas
Scientist E, NCCR

Ghost Gear threats to Groote Eylandt and the Gulf of Carpentaria, Northern Territory, Australia

Anindilyakwa Ranger Group

Tackling plastic pollution with seaweed-based PHAs

Dr. Julia Reisser
Co-Founder & Co-CEO, ULUU

Q&A & Session Closing Remarks

Session II

11:00 AM - 12:00 AM

A Decade of Marine Litter and Microplastic Research at NCCR: Current Understanding, Challenges, and Future Directions

Dr. S.R. Marigoudar
Scientist E, NCCR

From shorelines to Statutes: Leveraging the AMDI Framework for Evidence-Based Policy and Regional Scalability

Heirdi Tait
CEO & Founder, Tangaroa Blue Foundation

Development of Realistic Particle Tracking in Indonesia Seas

Dr. Dwiyoga Nugroho
Researcher, BRIN

Climate Change and Marine Biodiversity in the Indian Ocean: A Systematic Review

Ms. Lekshmi Harrikumar
PhD Candidate, NCCR

Day 1

May 11

Session III

13:00 PM - 14:00 PM

From Surface to Seafloor: Microplastic Transport and Accumulation along the Indonesian Throughflow in the Banggai Sea

Dr. Corry Yanti Manullang

Researcher, BRIN

NCCR: Advancing Coastal Science for Emerging Threats and Sustainable Coastal Management

Dr. S. R. Kankara

Director, NCCR

Introduction to Olive Ridley Project: combined approaches to sea turtles' conservation

Isha Afeef

*Executive Director - Maldives,
Olive Ridley Project*

Q&A & Session Closing Remarks

Session IV

14:00 PM - 15:30 PM

Microplastic passive sampler (MPsimpler): Innovative solutions for a sustainable plastic monitoring and mitigation system

Dr. Dede Falahudin

Researcher, BRIN

Microplastic Pollution along the Ningaloo Coast: Local Source Contributions within a Remote Marine Protected Area

Naomi Hill

Masters of Science, UWA

Integrating Informal Recycling Systems into Marine Plastic Recovery Pathways: Lessons from Chennai and the Global South

Dr. Siddharth Hande

Scientist F, NCCR

Ghost Nets: Current Knowledge, Challenges & Way forward

Athan Vashi & Dhineka Kuppuswamy

PhD Candidate & Project Scientist, NCCR

Ghost gear and olive ridley turtles in the Northern Indian Ocean - from citizen science to tracking sources

Dr. Stephanie Köhnk

*Senior Project Scientist,
Olive Ridley Project*

Day 2

May 12

Women in STEM Workshop

The GOAL is to share, explore, discuss!

- Career pathways & cross-cultural experiences in STEM
- Understanding barriers and building practical strategies
- Collaborative problem solving to support inclusive workplaces & women's impact

09:00 AM - 09:30 PM

KEYNOTE: 09:00 AM - 09:30 AM

Women in STEM - what does the research tell us?

Dr. Marji Puotinen
Spatial/Ecological Data Scientist, AIMS

Workshop Audience Introduction

09:30 AM - 09:40 AM

Workshop Objectives
Session I and II overview
Audience introductions and expectations activity

Dr. Marina M.F. Santana
Research Scientist -
Microplastics, AIMS

Session I: Panel Discussion

09:40 AM - 10:40 AM

Featured Panelists:



Dr. Renae Hovey
Senior Lecturer in Marine Ecology, UWA



Dr. Sanitha K. Sivadas
Scientist E, NCCR



Dr. Marji Puotinen
Spatial/Ecological Data Scientist, AIMS



Ms. Samantha Jaworski
Senior Research Technician, AIMS



Dr. Intan Suci Nurhati
Senior Scientist - Paleocceanography, BRN

Day 2
May 12

Session II: Women in STEM Interactive Workshop

11:00 AM - 12:00 PM

Introduction to Session II

Dr. Marina M.F Santana

Research Scientist - Microplastics, AIMS

Interactive live polling

Dr. Camille Grimaldi

Ecological Modeller in Connectivity Science, AIMS

STEM Myth-Busting Challenge

Dr. Corry Yanti Manullang

Researcher, BRIN

STEM Scenario Challenge
Group Discussion

Naomi Hill

Masters of Science, UWA

13:00 PM - 13:30 PM

STEM Scenario Challenge
Group Sharing & Panel Insights

Workshop Conclusion

Dr. Marina M.F Santana

Research Scientist, AIMS

Masterclass I

13:30 PM - 15:00 PM

Toxicity networks for plastic additives Part 1

15:30 PM - 16:00 PM

Toxicity networks for plastic additives Part 2

Professor Areejit Samal

IMSc, Chennai, India

Day 3

May 14



Australian Government



AUSTRALIAN INSTITUTE
OF MARINE SCIENCE

Masterclass II

10:30 AM - 12:00 PM

*Forward and Backward Ocean
Modelling of Microplastics*

Dr. Dwiyoga Nugroho
Researcher, BRINS

Masterclass III

13:00 PM - 14:30 PM

*Multivariate Statistics for ecological
studies*

Dr. Ronen Galaiduk
Spatial/Ecological Data Scientist, AIMS

Session V: Featured Presentation

14:45 PM - 15:00 PM

Linking Regional Libraries of Underwater
Biological Sounds: Monitoring changes in
biodiversity

Dr. Miles Parsons
Research Scientist - Marine Acoustics, AIMS

This initiative is funded by



Australian Government

Department of Foreign Affairs and Trade



Australian Government

Department of Climate Change, Energy,
the Environment and Water