



Center	Applied Research Center for Environment and Marine Studies
Job Title	Post-Doctoral Fellow
Job Description	The Post-Doctoral Fellow will conduct high-quality, independent and collaborative research aligned with ARCEMS research priorities, under the guidance of the Principal Investigator or designated research supervisor. The Fellow will design and execute studies, analyze and interpret data, publish findings, contribute to proposals and support multidisciplinary research collaborations. Relevant research specializations may include: • Marine sciences, biological oceanography and fisheries science • Marine biodiversity, molecular ecology, environmental DNA (eDNA) and genetics • Environmental science, pollution assessment and ecotoxicology • Coastal wetlands, mangroves, seagrasses and terrestrial ecology • Climate change, coastal processes and environmental geology • Remote sensing, GIS, geospatial analysis and environmental modelling • Environmental sensors, monitoring systems and analytical technologies • Artificial intelligence, machine learning and environmental data science Applicants are expected to have depth of expertise in one or more relevant specializations; expertise across all areas is not required.
Job Responsibility	1. Develop and conduct original research aligned with ARCEMS projects and strategic priorities. 2. Design robust field, laboratory or computational studies, including sampling, quality assurance and data management. 3. Apply appropriate scientific, statistical and analytical methods and critically interpret research results. 4. Prepare and submit manuscripts to reputable peer-reviewed journals and communicate results at scientific meetings. 5. Contribute to research proposals, project deliverables, technical reports and funding applications. 6. Collaborate with multidisciplinary teams, universities, government agencies and industry partners. 7. Develop or apply innovative methods, including advanced analytical, molecular, geospatial or digital tools where relevant. 8. Maintain reproducible research records, datasets, protocols and appropriate documentation. 9. Comply with institutional research ethics, laboratory and field safety, quality and data-management requirements. 10. Support the mentoring of students and junior researchers, as assigned. 11. Translate research findings into practical environmental knowledge, guidance or solutions.
Qualification	1. Ph.D. in Environmental Sciences, Marine Sciences, Oceanography, Marine Biology, Environmental Engineering, or a closely related discipline. Ph.D. should have been awarded within the last three years. 2. Demonstrated research expertise in at least one of the listed specializations and evidence of independent scientific contributions. 3. A strong record of peer-reviewed scientific publications appropriate to career stage and discipline. 4. Proficiency in relevant field, laboratory, analytical, statistical or computational research methods. 5. Strong scientific writing, communication, critical thinking and problem-solving skills. 6. Ability to work independently, manage research tasks and collaborate effectively within multidisciplinary teams. 7. Experience with proposal writing, externally funded projects, advanced instrumentation or environmental data analysis is an advantage.